



# REBAMARINE

NAUTICAL EQUIPMENT

**CATALOGUE**  
2022



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# CATALOGUE 2022

REBAMARINE NAUTICAL EQUIPMENT

WE DEAL WITH **THE BEST BRANDS OF THE SECTOR**





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NAUTICAL EQUIPMENT

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# CHAPTER INDEX

- 01 BATTERIES** ..... **7-18**  
STARTING BATTERIES • SERVICE BATTERIES • AGM BATTERIES • ELEMENTS OF 2V GEL • CHARGING CLIPS  
RAPID CLUTCHES • TERMINAL COVERS • BATTERY BOXES • CABLE TERMINALS • CLIPS  
BOOSTER CABLES • BATTERY MONITOR
- 02 BATTERY CHARGERS** ..... **19-38**  
BATTERY CHARGER • REMOTE DISPLAY • TEMPERATURE SENSORS • PROFESSIONAL INVERTERS  
COMBI INVERTERS • BATTERY ISOLATORS • BATTERY SEPARATORS • AUTOMATIC CHARGING RELAY  
VOLTAGE REDUCER • DC CONVERTERS • EQUALIZERS • SOLAR MODULE
- 03 PROTECTIONS** ..... **39-42**  
PROTECTION FROM GALVANIC CORROSION: MARINE GALVANIC ISOLATORS • CORROSION TESTER  
PROTECTION FROM ATMOSPHERIC DISCHARGE: LIGHTING RODS
- 04 ALTERNATORS AND STARTER MOTORS** ..... **43-53**  
ALTERNATORS 12V • ALTERNATORS 24V • SELF VENTILATE ALTERNATORS • STARTER MOTORS
- 05 ELECTRIC CABLES** ..... **55-76**  
UNIPOLAR CABLE • FLEXIBLE CABLE • YELLOW CABLE • MULTIPOLAR CABLE • PROTECTION SHEATH  
CORRUGATED TUBE • HEAT SHRINKABLE TUBE • HEAT SHRINK BOX • MANIFOLDS  
INSULATED TERMINALS • HEAT SHRINK TERMINALS • SEAL CONNECTORS  
CABLE TIES AND SUPPORTS • CABLE GLANDS • TERMINAL BLOCKS • POWERBAR CONNECTORS  
BUSBAR CONNECTORS
- 06 SOCKETS AND PLUGS** ..... **77-92**  
MARINCO COUP. PLUGS AND SOCKETS • INDUSTRIAL SOCKETS AND PLUGS IEC 309 IP67  
SOCKETS 220V • INLET SOCKETS 12V • COUP. PLUGS 12V • PHONE AND TV SOCK.  
SOCK. AND PLUGS FOR BOAT TRUCKS • IP68 CONNECTORS
- 07 SWITCHES** ..... **93-148**  
THERMAL CIRCUIT BREAKERS • MAGNETIC CIRCUIT BREAKERS • DIFFERENTIAL BLOCKS  
OVERCURRENT CIRCUIT BREAKERS • IP66 SWITCHES • TOGGLE SWITCHES • ROCKER SWITCHES  
BUTTON SWITCHES • KEY LOCKED IGNITION SWITCHES • INDICATOR LIGHTS • BATTERY SWITCHES  
ROTARY SWITCHES • RELAY/SOLENOIDS • REMOTE CONTROL BATTERY SWITCHES  
FUSE AND FUSE HOLDERS • COUNTERS • DIVERTERS
- 08 ELECTRIC PANEL** ..... **149-176**  
360 PANEL SYSTEM ELECTRIC PANELS • 360 PANEL SYSTEM MODULAR PANELS • DC ELECTRIC PANELS  
AC ELECTRIC PANELS • AC ELECTRIC PANELS • AC/DC ELECTRIC PANELS • ABER MARINE PANELS  
IP 67 WATERTIGHT PANELS • ROTARY SWITCH SOURCE SELECTION PANELS • PANEL ACCESSORIES  
DC DIGITAL METERS • DC ANALOG METERS • AC DIGITAL METERS • AC ANALOG METERS
- 09 INSTRUMENTS** ..... **177-198**  
ABER MARINE INSTRUMENTS • SGS INSTRUMENTS • SGS SENSORS • OMNILINK INSTRUMENTS  
VIEWLINE INSTRUMENTS • SENSORS • LEVEL SENSORS • PRESSURE SENSORS
- 10 NAVIGATION LIGHTS AND SEARCHLIGHTS** ..... **199-224**  
NAVIGATION LIGHTS • LED NAVIGATION LIGHTS • FLASHING LIGHTS • REMOTE CONTROLLED SEARCHLIGHTS  
RADIO CONTROLLED SEARCHLIGHTS • PROFESSIONAL LIGHTS • SPOTLIGHTS • DECK FLOODLIGHTS
- 11 WHISTLES HORNS AND ALARMS** ..... **225-236**  
APPROVED ELECTRONIC WHISTLES • APPROVED AIR WHISTLES • COMPRESSOR • HORNS  
ROTATING LIGHTS • ELECTROMAGNETIC HORNS • AIR HORNS • ALARMS

# CHAPTER INDEX

- 12 PUMPS AND WATER PRESSURE SYSTEM** ..... **237-258**  
HAND PUMPS • BILGE PUMPS • BRONZE PUMP • DIAPHRAGM PUMPS • WATER PRESSURE SYSTEM  
FLOATING SWITCHES • FILTERS • ELECTRONIC VALVES • TRANSFER OIL PUMPS
- 13 HOSE AND PLUMBING FITTING** ..... **259-265**  
RADIATOR HOSE • HOT WATER HOSE • SEA WATER HOSE • NETTED PVC HOSE • STEEL WIRE PVC HOSE  
SEWAGE PIPE MARINE TOILETS HOSE • BLOWER HOSE • VENTILATION HOSE • PLUMBING FITTING
- 14 WINDLASSES AND WINCHES** ..... **267-300**  
VERTICAL WINDLASSES • ON DECK WINDLASSES • HORIZONTAL WINDLASSES • CAPSTANS  
WATERTIGHT HAND HELD REMOTE CONTROL • CHAIN COUNTER • RECEIVERS • REMOTE CONTROLS  
SOLENOID UNITS • CALIBRATED CHAIN • ANCHORS
- 15 BOW THRUSTERS** ..... **301-310**  
BOW THRUSTERS • DOUBLE BOW THRUSTERS • RETRACTABLE PROPELLER • HYDRAULIC PROPELLERS  
REMOTE CONTROLS • JOYSTICK REMOTE CONTROLS • WIRE CONNECTORS • FIBREGLASS TUNNEL
- 16 WINDSCREEN WIPERS** ..... **311-320**  
WINDSCREEN WIPER MOTORS • PENDULUM ARMS • PANTOGRAPH ARMS • BLADES FOR FLAT SCREENS  
BLADES FOR CURVED SCREENS • CONTROL PANELS
- 17 ELECTRIC BLOWER** ..... **321-326**  
HELICOIDAL ELECTRIC BLOWERS • CIRCULAR SILENCIER • NO VIBRATION RING  
CENTRIFUGAL ELECTRIC BLOWERS • IN LINE BLOWERS • HEAVY DUTY BLOWERS  
CONTINUOUS DUTY BLOWERS • RINA APPROVAL BLOWERS • DC FAN
- 18 LIGHTING** ..... **327-370**  
UNDEWATER LIGHTS LED • FIXTURES • ADJUSTABLE SPOT • WATERPROOF SPOT LIGHTS • LED LIGHTS  
COURTESY LIGHTS • WALL LIGHTS • CHART LIGHTS • READING LIGHTS • STRIP LED • WATERPROOF BULBS  
BULBS • LED BULBS • LAMP HOLDERS • DIMMER 12/24 VDC • DIMMER 115/230 VAC
- 19 ON BOARD SECURITY** ..... **371-374**  
WIRELESS ALARM SYSTEMS • SAFES
- 20 COMFORT** ..... **375-408**  
REFRIGERATORS • FREEZER • COOLING UNITS • WATER HEATERS • TOILETS • PROLIFT • BIDET  
MACERATORS • WASTE TANKS • FAUCETS • SHOWERS • SOLENOID VALVES
- 21 CLIMATE AND WATER MAKERS** ..... **409-420**  
DESALINATORS • DEPURATORS • SELF CONTAINED UNITS • SPLIT UNITS
- 22 ELECTRONIC** ..... **421-436**  
DIRECTIONAL ANTENNAS • OMNIDIRECTIONAL ANTENNAS • VHF ANTENNA • VHF/AIS ANTENNA  
VHF/GPS ANTENNA • COAXIAL CABLE • CONNECTORS • ANTENNA SUPPORTS • DIGITAL DECODER  
MARINE STEREO'S • ENTERTAINMENT SYSTEM • MARINE SPEAKERS • AMAGNETIC SPEAKERS
- 23 CHEMICAL PRODUCTS** ..... **437-440**  
2-26 ELECTRO MARINE 6-66 • LONG TERM PROTECTION MARINE • ADHESIVE GREASE  
CLEANING (DETERGENT) • DEOXIDIZING FOR CONTACTS • COPPER PASTE • MOTORS START  
LITHIUM WHITE GREASE • NAUTICAL BLUE GREASE • TECHNICAL VASELINE GREASE  
TECHNICAL VASELINE OIL • GASKET 260°C BLACK • GASKET 343° C RED

# ALPHABETIC INDEX

	<b>PAGE</b>	<b>CHAP.</b>		<b>PAGE</b>	<b>CHAP.</b>
	89, 90	6		54	5
12 V plugs	88	6	Braided sleeving	361 to 364	18
220 V plugs	87	6	Bulbs	75	5
220V sockets	12, 13	1	Bulkhead	223	10
2V gel batteries	92	6	Bulkhead lights	73	5
7/13 pin adapter			Bulkhead nodes	235	11
			Buzzer		
<b>A</b>			<b>C</b>		
AC/DC digital multimeter	18	1	Cable glands	71	5
AC/DC digital voltmeter	170, 172	8	Cable glands	71	5
AC/DC electrical panels	159, 167	8	Cable protection sheath	59	5
Accessories for switchboards	160, 163	8	Cable ties	70	5
Accumulator tanks	257	12	Calibrated chains	300	14
Activated carbon filter	257	12	Cam switches	112	7
Adhesive grease	438	23	Ceiling lights	331, 342, 358, 359	18
Adhesive lettering	176	8	Cellar "Divino"	377	20
Agm batteries	9	1	Centrifugal pumps	239, 240, 241, 243	12
Air conditioning	414 to 418	21	Chain counter	304	14
Air whistles	228, 229	11	Charge distributors	30, 32	2
Albright counters	134, 135	7	Charge separator Mosfet	32	2
Alternators	44 to 48	4	Chargers	20 to 24	2
Ammeter	181, 195	9	Check valves	257	12
Analog DC/AC ammeter	171, 173	8	Circuit breakers	102 to 105, 112	7
Analog instruments	171, 173	8	Clear water indicator	178, 180, 194	9
Analog Voltmeter AC/DC	171, 173	8	Clock	195	9
Anchor rode	300	14	Coaxial cables	432	22
Anchors	295	14	Combi - inverters	27 to 29	2
Antenna base	430, 431	22	Connection bars	74, 75, 76	5
Antenna extension	429	22	Consumer meter	183	9
Antennas	422 to 429	22	Contact blocks	115, 120	7
Antivibration rings	322	17	Contactors	133, 136	7
Appliques	350, 351	18	Continuous use aerators	324	17
Aspirators	324, 325	17	Control panels for whistles	226, 227	11
Autoclaves	244, 245, 246, 247	12	Control panels for wipers	314, 317	16
Automatic charging relays	33	2	Cooling units	382, 383	20
			Copper pastes	438	23
<b>B</b>			Corrugated pipe	62	5
Backlight panels	176	8	Counter	182	9
Balder	286	14	Courtesy lights	346 to 349,	18
Battery boxes	16	1	Crimping tool for cable terminals	16, 67	1, 5
Battery cable	56, 57	5	Cyanoacrylate gel	439	23
Battery clamps	17	1			
Battery disconnect panel	154	8	<b>D</b>		
Battery equalizer	30	2	Danfoss control unit	383	20
Battery monitor	18	1	Dc Dc converters	32	2
Battery pole fuse holder	146	7	DC switchboards	155 to 157, 162 to 164	8
Battery poles	9	1	DC/AC digital ammeter	170, 172	8
Battery separators	31	2	Deck floodlights	224	10
Battery switches	124, 125, 126, 127	7	Deck washing pumps	252	12
Battery terminals	14	1	Depht - log	185	9
Battery tester	18	1	Depth indicator	190	9
Bells	231	11	Detergents	438	23
Bezels for switches	113	7	Differential	105	7
Bidets	390, 391 and 394 to 398	20	Digital instruments	170, 172, 175	8
Bilge level switch	187	9	DIN sockets	90	6
Bilge pump switches	263	12	Diode dividers	32	2
Bilge pumps	248, 249, 250, 251	12	Dioxidants	438	23
Bilge strainers	257	12	Diversers	128, 129	7
Black and gray water sensor	187	9	Dockside socket	78 to 85	6
Black water discharge pumps	250	12			
Black water indicator	180, 194	9	<b>E</b>		
Black water tanks	408	20	Ecometer	185	9
Blade fuses	139	7	Elastic impellers	258	12
Blower tubes	265	13	Electric fans	322, 323, 324, 325	17
blue grease	440	23	Electric sirens	242	11
Boiler	384 to 388	20	Electrical panels CA	158, 165, 166	8
Boiler resistors	387	20	Electro-pneumatic horns	233	11
Bow roller	286	14	Electrocompressor	229	11
Bow thrusters	302, 303, 306	15	Electromagnetic horns	232	11

# ALPHABETIC INDEX

	PAGE	CHAP.		PAGE	CHAP.
	Electromagnets	137		7	
	Electronic ballasts	367		18	
	Electronic dimmers	368, 369		18	
	Electronic fuses	142		7	
	Electronic whistles	226, 227, 230		11	
	Entertainment system	434		22	
	Evaporator	382		20	
<b>F</b>	Fiberglass tunnel	307		15	
	Fire dampers	326		17	
	Fittings and reductions	271		13	
	Fixed/mobile sockets Mennekes	84, 85		6	
	Flap angle	182		9	
	Flash lights	236		11	
	Float switches	254		12	
	Floats	187, 196		9	
	Flush-mounted sockets and plugs	82		6	
	Foot buttons	305		14	
	Freeza	377, 382		20	
	Fuel gauge	180, 194		9	
	Fuel level sensor	187, 196		9	
	Fuel level system	178		9	
	Fuse holder	144		7	
	Fuse holders	144 to 148		7	
	Fuses	140, 141, 309		7, 15	
<b>G</b>	Galvanic Corrosion Tester	41		3	
	Galvanic isolators	40		3	
	Galvanic protection	40		3	
	Gangways	376		20	
	Gasket	343 440		23	
	Gianneschi electric pumps	239 to 243		12	
	Glass fuses	138		7	
	Ground braid	59		5	
	Ground plates	41		3	
<b>H</b>	Halogen headlamps	214, 217		10	
	Hand horns	231		11	
	Headlights	222		10	
	Heat shrink in dispenser	61		5	
	Heat Shrink Terminations	61		5	
	Heat shrink tubing	60, 61		5	
	Horn	234		11	
	Horn compressor	233		11	
	Hot air blower	61		5	
	Hydraulic thrusters	305		15	
<b>I</b>	Ice makers	377		20	
	Ignition switches	111		7	
	In-line aerators	324		17	
	Indicator light	139		7	
	Indicator lights	122, 123		7	
	Industrial plugs IEC	309 81		6	
	Industrial sockets IEC	309 81		6	
	Insulating rear panels	167		8	
	Internet antenna	425		22	
	IP68 connectors	92		6	
<b>J</b>	Junction box	62		5	
	Junction tubes	65, 66		5	
<b>K</b>	Key selector	114		7	
<b>L</b>	Lamp holder	365		18	
	Leads	63		5	
	Led bars	354, 370		18	
	Led bulbs	360		18	
	LED navigation lights	205, 206, 207		10	
	LED projectors	215		10	
	LED reading lights	343, 344, 345		18	
	Lightning rods	42		3	
	Lithium batteries	10		1	
	Loudspeakers	435		22	
	Ltqm	438		23	
	Lubricants	439		23	
<b>M</b>	Macerators	392, 399, 404		20	
	Magnetohydraulics	100, 101		7	
	Magnetothermic	94 to 99		7	
	Manual pumps	238		12	
	Marco electric pumps	251		12	
	Marinco built-in plugs	78, 79, 80		6	
	Marinco flying plugs	78, 79, 80		6	
	Marinco flying sockets	79, 80		6	
	Marine stereo	433		22	
	Marker dispenser	69		5	
	Marking tape	69		5	
	Meteolink	186		9	
	Micro led	176		8	
	Mini rocker switches	163		8	
	Mixer	406, 407		20	
	Mobile plugs Mennekes	84, 85		6	
	Modified wave inverter	25		2	
	Modular sockets	86		6	
	Modular switches	113		7	
	Mooring winches	290 to 293		14	
	Mosfet distributors	32		2	
	Motorized projectors	218, 219, 220		10	
	Mounts for antennas	431		22	
	Multi-pin plugs	91, 92		6	
	Multi-pin sockets	91, 92		6	
	Multimedia station	434		22	
	Multipolar cable	58		5	
	Multipurpose watertight				
<b>N</b>	Navigation lights	203 to 208		10	
	Navigation lights	206, 207, 209		10	
	Navigation lights combined	209		10	
	Navigation lights	200 to 203; 205 to 209		10	
	NMEA cables	432		22	
<b>O</b>	Oil and diesel fuel transfer pumps	253		12	
	On-board systems monitors	174		8	
	Optima batteries	11		1	
	Optimate	20		2	
	Oscillating fans	325		17	
	Outside air temperature indicator	193		9	
<b>P</b>	Panel for multimeter	172		8	
	Panel with switches	161		8	
	Panels with cam switches	168, 169		8	
	Peel off labels	439		23	
	Piezoelectric bell	181		9	
	Plumbing pipes	264		13	
	Power Bars	75		5	
	Power nodes	73		5	
	Power pack	383		20	
	Power relay	131		7	
	Pre-insulated terminals	64, 65		5	
	Pressure bulbs	197		9	
	Pressure indicator	179, 181, 193		9	
	Pressure sensors	189, 193, 197		9	

# ALPHABETIC INDEX

	<b>PAGE</b>	<b>CHAP.</b>		<b>PAGE</b>	<b>CHAP.</b>
Pressure switches	189	9	Switches	113	7
Professional inverters	25 to 29	2	Switching voltage reducers	35	2
Professional projectors	218, 219, 220	10	Synchronism indicators	184	9
Pull switches	110	7	Synchronizers	191	9
Pulse Generator	184	9			
Purifiers	413	21	<b>T</b> Table lamps	352	18
Pushbutton panel	296	14	Tank sensor	399	20
Pushbutton Switches	114	7	Taps	406, 407	20
PVC hose with spiral	261	13	Telephone dialer	373	19
PVC insulating caps	15, 73	1, 5	Temperature indicator	179, 180, 192	9
Pyrometer	195	9	Temperature sensor	188, 198	9
			Terminal blocks	72	5
<b>Q</b> Quick clamps	15	1	Terminal shrouds	15	1
Quick couplings	270, 271	13	Thermal contacts	188	9
			Thermal protections	142	7
<b>R</b> Radio/TV connector	431	22	Thermostat	387	20
Radio-controlled receivers	297, 308 14,	15	Threadlocker	439	23
Reading lights	343, 344, 345	18	Toggle switches	109, 113	7
Recessed led spotlights	334 to 341	18	Transmitters	297, 308	14, 15
Red/Black flat cable	57	5	Trim angle	182, 192	9
Refrigerators	378, 379, 380, 381	20	Tubular terminals	16, 67	1, 5
Relay	130, 131	7	TV antennas	424, 426	22
Remote commands	308, 309	15			
Remote display	23, 24	2	<b>U</b> Ultrasonic tank	174	8
Remote switches	161	8	Underwater lights	356, 357	18
Resistance	179	9	Unipolar cable	56	5
Retractable propellers	304, 305	15	USB sockets	89	6
Rev counter	179, 184, 186, 190	9			
Rocker switches	106, 107	7	<b>V</b> Vaseline fats	440	23
Rontron buttons	116 to 119	7	Vaseline oil	440	23
Rotating lights	236	11	Vented loop	404	20
Rubber hose with spiral	260	13	Vented loop	404	20
Rudder angle	182, 184, 191	9	Vertical windlasses	268 to 285	14
Rudder angle sensor	191	9	Vhf antennas	424, 427, 428	22
			Vimar switches	113	7
<b>S</b> Saddle supports	70	5	Voltage elevators	32	2
Safety hub fuse holder	148	7	Voltage reducers	34	2
Sail anchor on deck	287 to 289	14	Voltmeter	179, 181, 183, 195	9
Sanitary	389 to 391; 394 to 403	20			
Satellite antenna	422, 423	22	<b>W</b> Warning lights	204	10
Schlegel buttons	116 to 119	7	Water filters	256, 257	12
Seaming pliers	67	5	Watermakers	410, 411, 412	21
Self-extinguishing insulating tape	69	5	Waterproof built-in plugs	82	6
Shore cable	58	5	Waterproof floodlights	210, 211, 212, 213	10
Shower trays	405	20	Watertight connectors	70, 71	5
Shrink Terminals	66	5	Watertight switchboards		
Shunt for ammeter CC	170, 195	8	12V-24V	150, 151, 152, 153	8
Signal splitter	429	22	White lithium grease	440	23
Silicone oil	439	23	Winches for tender	294	14
Smoke dampers	326	17	Windlass accessories	296, 297, 298	14
Solar panels	36, 37, 38	2	Wiper arms	312, 313, 315, 316, 320	16
Solder tin	69	5	Wiper blades	312, 313, 316, 320	16
Solenoid valves	258	12	Wiper motors	312, 313, 316, 320	16
Solenoids	132, 133	7	Wireless anti-theft systems	372, 373	19
Speed and depth sensors	185	9	Wireless remote control	434	22
Speed indicator	191	9			
Speed log	185	9	<b>X</b> Xenon headlamps	216	10
Spiral sheath	59	5			
Stainless steel buttons	121	7	<b>Y</b> Y valves	405	20
Stainless steel safes	374	19			
Stainless steel terminals	16, 67	1, 5			
Starter cables	17	1			
Starter motors	49 to 53	4			
Starts engines	440	23			
Steel spiral tube	265	13			
Strip led	368, 369	18			
Switch plates	106, 107	7			

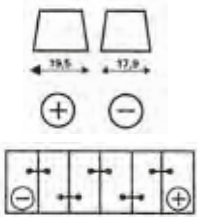




- Starting Batteries
- Services Batteries
- AGM Batteries
- Lithium Batteries
- Elements of 2V Gel
- Charging clips
- Rapid clutches
- Terminal covers
- Battery boxes
- Cable terminals
- Clips
- Booster cables
- Battery monitor

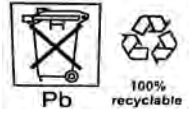
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NAUTICAL EQUIPMENT

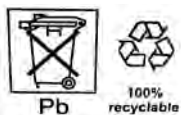
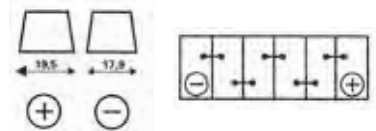
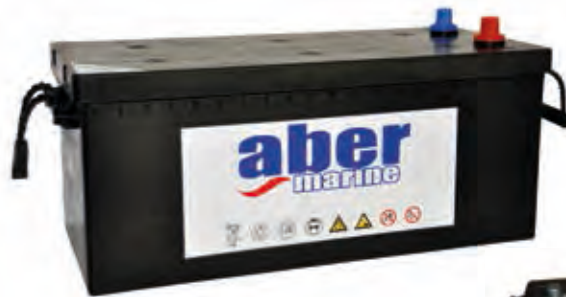
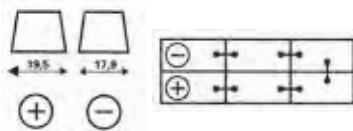


### SULPHURIC ACID LEAD BATTERY 12V

Superficial board in oxidized lead.  
 H<sub>2</sub>O + sulphuric acid.  
 Max voltage recharge 14.4V.  
 Electrolyte to be controlled regularly.  
 Possibility of adding acid.  
 Made in Italy.



Model	Supply V	Capacity Ah	Start up A (EN)	Start up A (DIN)	Pole +	Length mm	Width mm	Height mm	Weight Kg	Code
A 55	12	55	420	255	Right	207	175	190	13	RE 30005
A 60	12	66	480	320	Right	242	175	190	16	RE 30006
A 80	12	80	670	400	Right	278	175	190	18	RE 30007
A 100	12	100	720	450	Right	310	175	190	20	RE 30008

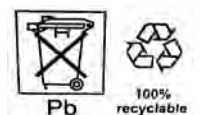


Model	Supply V	Capacity Ah	Start up A (EN)	Start up A (DIN)	Pole +	Length mm	Width mm	Height mm	Weight Kg	Code
A 120	12	120	900	550	Right	513	175	225	35	RE 30015
A 130	12	130	920	580	Right	343	175	283	36	RE 30012
A 160	12	160	1100	680	Right	513	218	215	46	RE 30017
A 200	12	200	1200	900	Right	513	218	215	47	RE 30044
A 220	12	220	1250	980	Right	518	273	235	50	RE 30048

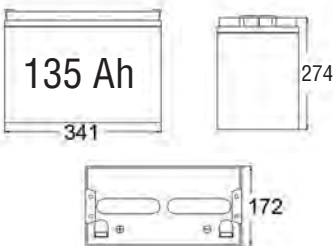
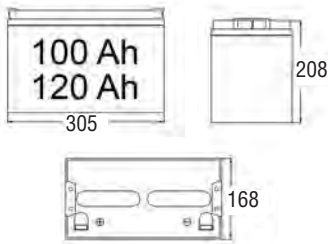
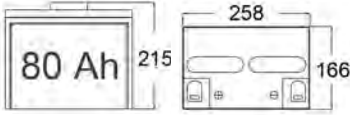


### BATTERY 12V - POLYPROPYLENE CASE - DRY CHARGE

Right for offshore navigation.  
 High capacity.  
 Angle of inclination up to 60°.  
 Bolt terminals.

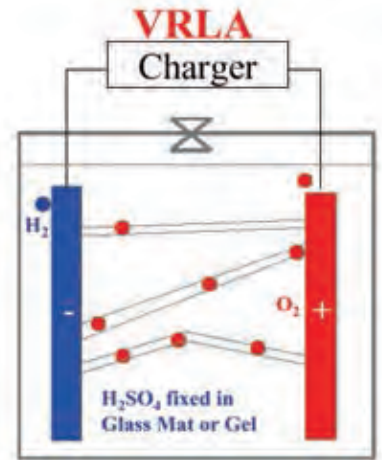


Model	Supply V	Capacity Ah (20hours)	Start up A (EN)	Start up A (DIN)	Pole +	Length mm	Width mm	Height mm	Weight Kg	Code
A 240	12	240	700	540	left	440	400	280	63	RE 30047
A 310	12	310	900	690	left	560	400	290	68	RE 30020

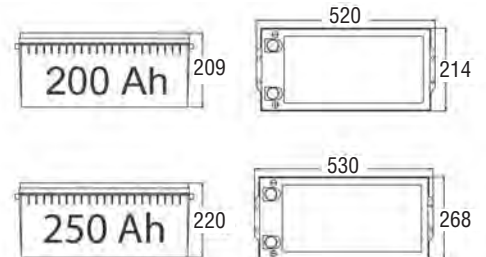
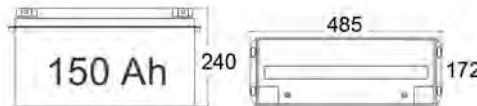


## AGM BATTERIES 12V

AGM = ABSORBED GLASS MAT  
Electrolyte (H<sub>2</sub>O + sulphuric acid) is absorbed and kept by fibreglass elements.  
Maintenance free.  
No gas is produced and battery is completely sealed.  
Can be positioned anywhere.  
Allow rapid discharges (low internal resistance).  
Suitable for high current peak installations i.e.: bow thrusters, windlasses, starting motors  
They must be charged at 14.4V.  
Absorption takes 4 hours max.  
Afterwards they must be charged at 13.25V (float battery chargers).



Model AGM	Supply V	Capacity Ah (20h)	Capacity Ah (10h)	Capacity Ah (5h)	Start up (EN)	Dimensions	Weight Kg	Code
80S	12	80	74	66	600	258 x 166 x 215	25,5	RE 30078
100	12	100	96	85	750	305 x 168 x 208	30,5	RE 30072
120	12	120	115	92	800	305 x 168 x 208	32	RE 30073
135	12	135	128	121	900	341 x 172 x 274	42,5	RE 30077
150	12	150	142	135	1000	485 x 172 x 240	44,5	RE 30074
200	12	200	190	180	1150	520 x 209 x 214	58	RE 30075
250	12	250	203	195	1280	530 x 268 x 220	77	RE 30076
240	6	240	228	216	1300	188 x 275 x 275	33	RE 30079



## BATTERY POLES

Battery poles for transformation from threaded hole to conic pole.



Polarity	Screw	Material	Code
+-	M 6	TIN PLATED BRASS	RE 75028
+-	M 8	TIN PLATED BRASS	RE 75029
+-	M 10	TIN PLATED BRASS	RE 75030

## LITHIUM BATTERY ZENITH LITHIUM

**MAINTENANCE FREE:** no maintenance.

**SUPERIOR LIFETIME:** the charge-discharge cycles is considerably higher compared to lead batteries, the "cost-per-cycle" is therefore lower.

**LIGHT:** they can be 70% lighter than lead batteries. Only the smallest part of the energy present inside the batteries will therefore be used to move the batteries themselves and therefore the autonomy of the vehicle will be greater.

**FAST CHARGE:** they can be fully recharged even in less than 1 hour (ALWAYS use suitable battery chargers). The vehicles on which they will be installed will therefore increase their productivity/autonomy.



**36 MONTH WARRANTY**



### APPLICATIONS:

- Electric scooters
- Electric bicycles
- Electric cars
- Boats
- Golf car



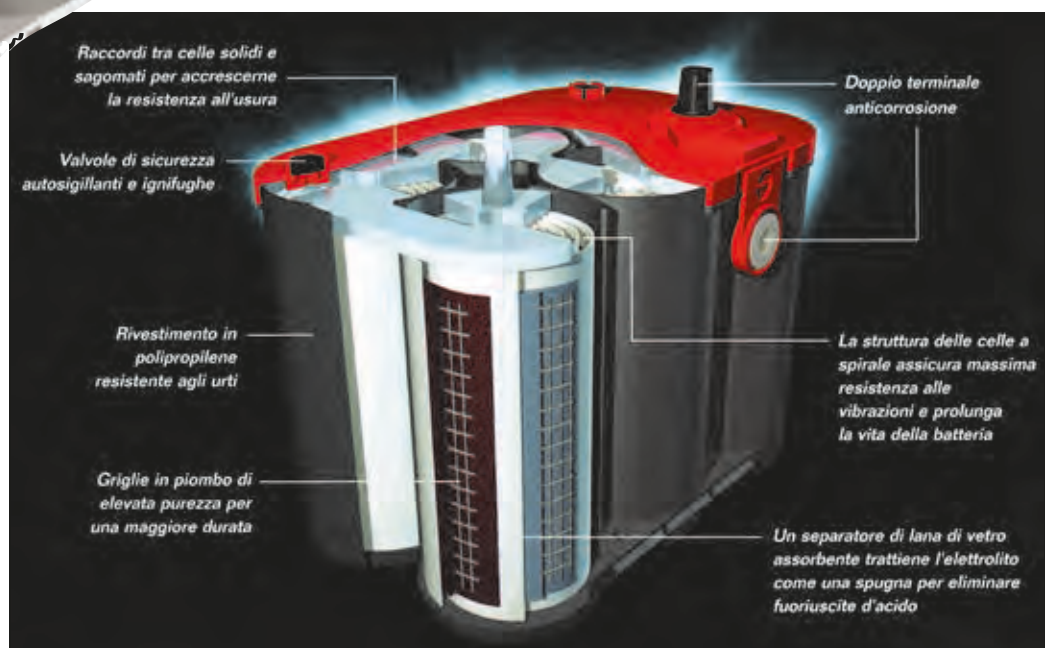
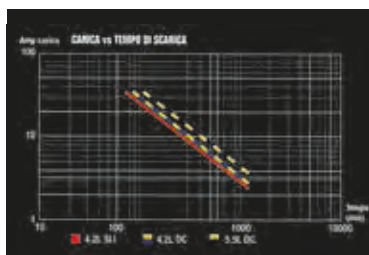
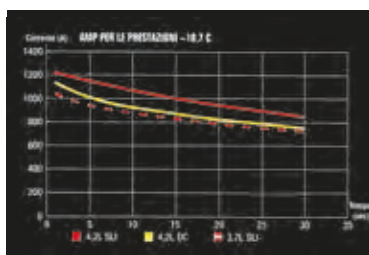
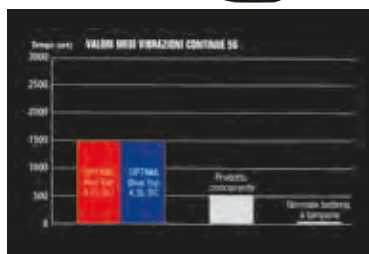
Model	Tension	Capacity	Start up (2s)	Studs	Dimension	Weight	Code
ZLI012030	12	40	170	M8	195 x 165 x 170	6,4	RE 30054
ZLI012040	12	60	170	M8	260 x 167 x 225	9,3	RE 30055
ZLI012050	12	100	350	M8	305 x 165 x 215	13,1	RE 30056
ZLI024020	24	25	170	M8	195 x 165 x 170	6,4	RE 30057
ZLI024035	24	50	300	M8	302 x 165 x 220	12,8	RE 30058
ZLI024060	24	100	300	M8	490 x 170 x 245	26,2	RE 30059



## OPTIMA BATTERY

SpiralCell technology: two thin lead plates are wrapped in one spiral cell, with a glass structure placed in-between, to hold the acid. The wrapped cells are connected to particular solid joints and this unique solution guarantees high duties, reducing weight and overall dimensions to the minimum. Max. long-life battery: the hermetic closure is covered by a resistant and long-lasting plastic material. This particular structure prevents shocks and sudden temperature changes.

- Longer performances thanks to its bigger lead plates
- Maintenance-free
- Easy to install
- Max starting charge



## YELLOW TOP BATTERIES

Optima Model	Supply V	Capacity Ah	Start up A (EN)	Pole +	Extra joints	Length mm	Width mm	Height mm	Weight kg	Code
YTU 4,2	12	55	765	Left	No	254	175	200	19,9	RE 30037
YTR 5,0	12	66	845	Left	No	308,86	171,75	218,69	24,1	RE 30038
YTS 5,5	12	75	975	Left	No	325	165	238	26,5	RE 30039

## RED TOP BATTERIES

Optima Model	Supply V	Capacity Ah	Start up A (EN)	Pole +	Extra joints	Length mm	Width mm	Height mm	Weight kg	Code
RTC 4.2	12	50	815	Left	No	245	172	184	18	RE 30040

## BLUE TOP BATTERIES

Optima Model	Supply V	Capacity Ah	Start up A (EN)	Pole +	Extra joints	Length mm	Width mm	Height mm	Weight kg	Code
BTDCM 4.2	12	55	690	Left	Yes	245	172	173	20	RE 30041
BTDCM 5.0	12	66	845	Left	Yes	300	169	200	23	RE 30049
BTDCM 5.5	12	75	975	Left	Yes	317	158	218	27	RE 30042



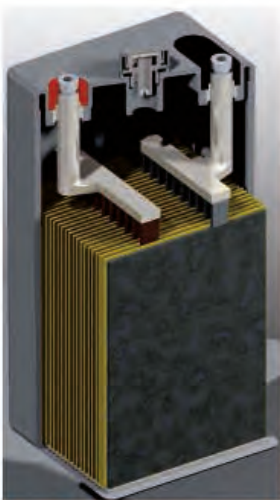
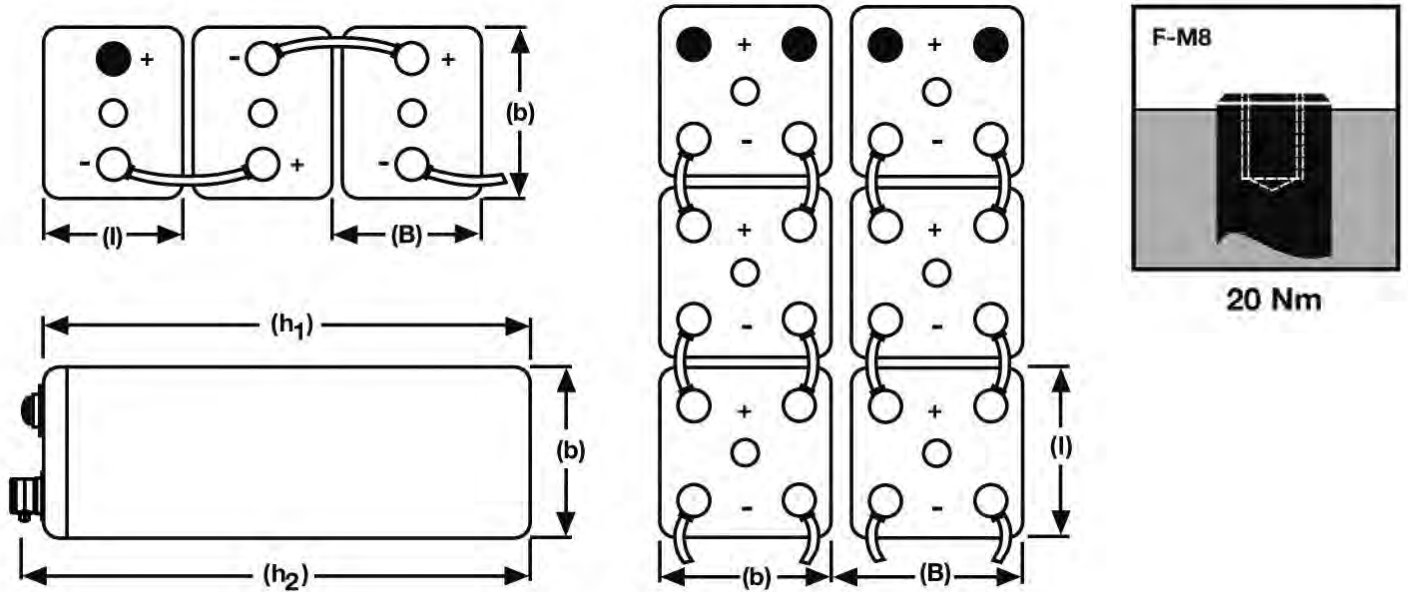
# GEL BATTERIES 2V

## POWER SAFE



### GEL BATTERIES 2V

Poles with clamping bolts.  
 Gel electrolyte batteries absorbs water.  
 2V elements batteries are perfect for installations.  
 Subjected to deep charge/discharge cycles.  
 Long endurance.  
 Reduced self discharge.  
 Quick charging.  
 No gas produced.  
 Right as batteries for general services.  
 During the charge no gas is giving out.



Model	Supply V	Capacity Ah (20 h)	Discharge current A	Dimens l	Dimens b	Dimens h1	Dimens h2	Dimens B	Weight Kg	Code
250-2	2V	250	A 25	126	208	360	398	134	23	RE 30100
350-2	2V	350	A 35	126	208	475	513	134	30	RE 30101
420-2	2V	420	A 42	147	208	475	513	155	35	RE 30102
490-2	2V	490	A 49	168	208	475	513	176	40	RE 30103
600-2	2V	600	A 60	147	208	650	688	155	48	RE 30104
800-2	2V	800	A 80	212	193	650	688	220	67	RE 30105
1000-2	2V	1000	A 100	212	235	650	688	220	80	RE 30106
1200-2	2V	1200	A 120	212	277	650	688	220	94	RE 30107
1500-2	2V	1500	A 150	212	277	800	838	220	118	RE 30108
2000-2	2V	2000	A 200	215	400	775	815	223	160	RE 30109
2500-2	2V	2500	A 250	215	490	775	815	223	200	RE 30110

# GEL BATTERIES 2V

## ABER MARINE

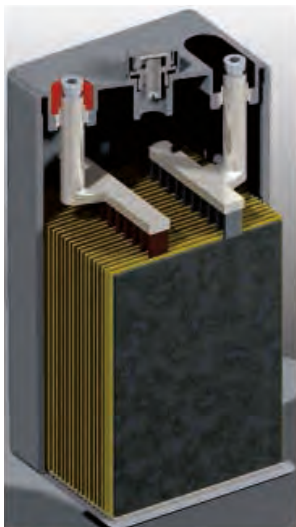
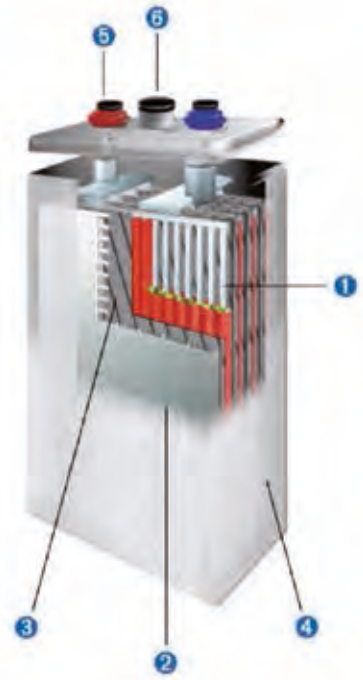
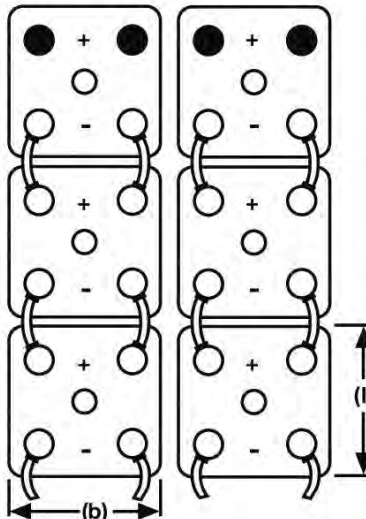
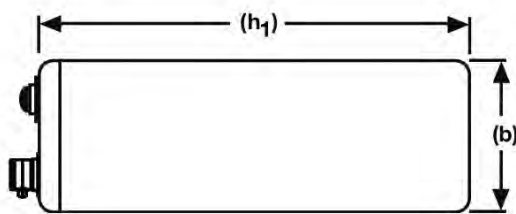
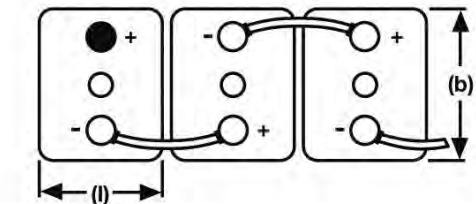


### GEL BATTERIES 2V

Poles with clamping bolts.  
 Gel electrolyte absorbs water.  
 2V elements batteries are perfect for installations subjected to deep charge/discharge cycles.  
 Long endurance.  
 Reduced self discharge.  
 Quick charging.  
 No gas produced.  
 Right as batteries for general services.  
 During the charge no gas is giving out.



Bolt



Type	Supply V	Capacity Ah (5 h)	Dimensions l	Dimensions b	Dimensions h1	Weight kg	Code
GEL	2	252	119	198	305	19	RE 30080
GEL	2	360	119	198	370	25	RE 30081
GEL	2	420	137	198	370	29	RE 30082
GEL	2	480	155	198	370	33	RE 30083
GEL	2	600	155	198	435	41	RE 30084
GEL	2	770	137	198	600	50	RE 30085
GEL	2	1000	155	198	715	72	RE 30086
GEL	2	1120	155	198	750	74	RE 30087



### BATTERY TERMINALS – SINGLE CABLE

Die-cast. Polished brass. Screw clamp.

Polarity	Cable section mm	Pack. pcs	Material	Code
+	16...35	25	Die-cast brass	RE 75001
-	16...35	25	Die-cast brass	RE 75002
+	50...70	25	Die-cast brass	RE 75003
-	50...70	25	Die-cast brass	RE 75004



### BATTERY TERMINALS – DOUBLE CABLE

Die-cast. Tinned brass. Screw clamp.

Polarity	Cable section mm	Pack. pcs	Material	Code
+	2 x 16...35	5	Die-cast brass	RE 75005
-	2 x 16...35	5	Die-cast brass	RE 75006
+	2 x 50...70	5	Die-cast brass	RE 75007
-	2 x 50...70	5	Die-cast brass	RE 75008



### BATTERY TERMINALS – WING NUT

Die-cast. Tinned brass. Wing nut clamp.

Polarity	Cable section mm	Pack. pcs	Material	Code
+	8	25	Die-cast brass	RE 75009
-	8	25	Die-cast brass	RE 75010
+	10	25	Die-cast brass	RE 75011
-	10	25	Die-cast brass	RE 75012
+	12	25	Die-cast brass	RE 75013
-	12	25	Die-cast brass	RE 75014



### BATTERY TERMINALS – HEXAGONAL SCREW

Die-cast. Tinned brass. Wing nut clamp.

Polarity	Cable section mm	Pack. pcs	Hexagonal screw mm	Code
+	8	25	13	RE 75015
-	8	25	13	RE 75016
+	10	25	17	RE 75017
-	10	25	17	RE 75018
+	12	25	19	RE 75019
-	12	25	19	RE 75020

### WIRINGS

Polarity	Length	Section	Code
+-	200 mm	25 mm <sup>2</sup>	RE 75031
+-	300 mm	35 mm <sup>2</sup>	RE 75032
+-	400 mm	50 mm <sup>2</sup>	RE 75033
+-	400 mm	70 mm <sup>2</sup>	RE 75034





# RAPID TERMINALS AND TERMINAL CAPS



## BATTERY TERMINALS – RAPID CLUTCH

In CuZn alloy. PP isolator. ONLY FOR NEGATIVE POLE. 3 outputs.

Polarity	Cable terminal mm	Pack. pcs	Dimensions mm	Code
-	3 x M6	1	54 x 60 x 38	RE 75092



## BATTERY TERMINALS – RAPID CLUTCH

In CuZn. Terminal cap included. Cable can be fixed with a plaque.

Polarity	Color	Dimensions mm	Cable section mm <sup>2</sup>	Clutch	Code
+	RED	68 x 48 x 27	35 - 50	rapid	RE 75021
-	BLUE	68 x 48 x 27	35 - 50	rapid	RE 75022



## UNIVERSAL BATTERY TERMINAL COVERS

In strong Colored polypropylene. For die-cast battery terminals.

Polarity	Color	Pack. pcs	Dimensions mm	Code
+ -	RED / BLACK	2	41 x 96 x 42	RE 75027



## ROTATING CABLECAP INSULATORS

Top rotates 360°.

In strong PVC.

For terminals wich have integral wing nut posts.



Polarity	Color	Pack. pcs	Dimensions mm	Cable section mm <sup>2</sup>	Code
+ -	RED / BLACK	2	43 x 105 x 58	10 - 120	RE 75026

## STUD CABLECAP INSULATORS

Smooth PVC.

Insulates single stud on alternators, starter, fuse holders, windlasses and high amperage termination points.



Polarity	Color	Cable size mm <sup>2</sup>	Packaging pcs	Weight Kg	Code
+	RED	10 - 25	1	0,02	RE 75099
-	BLACK	10 - 25	1	0,02	RE 75100
+	RED	35 - 70	1	0,03	RE 75095
-	BLACK	35 - 70	1	0,03	RE 75096
+	RED	90 - 120	1	0,03	RE 75097
-	BLACK	90 - 120	1	0,03	RE 75098

# BATTERY BOX AND CABLE TERMINALS



## BATTERY BOX

In strong plastic with belt and jumper.

Lenght mm	Depth mm	Height mm	Battery range	Code
280	185	260	45 - 60 Ah	RE 61001
340	185	260	80 - 100 Ah	RE 61002
520	270	270	Until 200 Ah	RE 61003

## CABLE TERMINALS

Tinned copped for maximum conductivity – for rigid and flexible conductors.



Section mm rigid	Section mm flexible	Thickness mm	Screw mm	Packaging pcs	Code
16	10...16	2	6	50	RE 75042
16	10...16	2	8	50	RE 75043
25	16...25	2	8	50	RE 75044
25	16...25	2	10	50	RE 75045
35	25...35	2	8	50	RE 75046
35	25...35	2	10	50	RE 75047
50	35...50	2	10	25	RE 75048
75	50...75	2	13	25	RE 75049
95	70...95	2	10	25	RE 75088
95	70...95	2	12	25	RE 75089
120	95...120	2	12	25	RE 75090
120	95...120	2	14	25	RE 75091



Stainless Steel

## CABLE TERMINALS IN STAINLESS STEEL

Cable Section mm <sup>2</sup>	Cable Diameter mm	Dimension mm	Screw mm	Packaging pcs	Code
50...65	11	19x52	7	25	RE 75055
50...65	11	19x52	8,5	25	RE 75056
50...75	12	22x54	11,5	25	RE 75057
50...75	12	22x54	12	25	RE 75058
120	15	26,5x61,5	12	25	RE 75059

## CRIMPING TOOLS FOR TUBULAR TERMINALS

Definit and strong.

Allows easy and strong crimping for tubular terminals.

Specific for tinned copper tubular terminals.

Long lever for simplify the crimping.



Lenght mm	Weight Kg	Cable size mm	Packaging pcs	Code
585	2,9	10...95	1	RE 49406



### CHARGING CLIPS

In special FeZn alloy with PVC insulated handles.

Polarity	Power A	Cable sect. mm <sup>2</sup>	Pack. Couples	Code
+-	40	6...10	5	RE 75067
+-	60	6...10	1	RE 75073
+-	120	10...25	1	RE 75069
+-	200	16...35	1	RE 75071



### HEAVY DUTY 400A CHARGING CLIPS

High power toleration. C70 stainless steel spring and pin. Copper jaws.

Polarity	Power A	Cable sect. mm <sup>2</sup>	Pack. Couples	Code
+-	400	16...35	1	RE 75075



### HEAVY DUTY 500 - 600 A CHARGING CLIPS

High power toleration. C70 stainless steel spring and pin. Copper jaws.

Polarity	Power A	Cable sect. mm <sup>2</sup>	Pack. Couples	Code
+-	500	35...50	1	RE 75083
+-	600	50	1	RE 75085



### BOOSTER CABLES

High quality and flexibility.

Power A	Cable sect. mm <sup>2</sup>	Cable length m	Code
120	16	3,5	RE 75077
120	25	3,5	RE 75078



### HIGH POWER BOOSTER CABLES

Hi-flex cable with high quality and flexible copper. Copper jaws.

Power A	Cable sect. mm <sup>2</sup>	Cable length m	Code
500	35	5	RE 75079
500	50	5	RE 75081
1000	70	5	RE 75082



### PB 350 V503040 MODEL

- Two selectable languages.
- Adjustable display brightness.

It is possible to test the accumulator on board the vehicle and by continuing the test, check the efficiency of the starting and charging system. It does not require the use of batteries, it is powered by the battery under test. The PB350 has extremely small dimensions and high reliability.

Executable tests:  
 12V battery test  
 12V starting circuit test  
 12V charging circuit and usage test  
 Alternator efficiency test

Tests can be performed on the following types of batteries: **SLI - AGM - VRLA / GEL - AGM Start & Stop - EFB Start & Stop**

Battery voltage: 12 v  
 CCA DIN 25 ÷ 675  
 CCA IEC 30 ÷ 750  
 CCA SAE 20 ÷ 1200  
 CCA EN 40 ÷ 1150  
 CCA CA 30 ÷ 750  
 CCA JIS 40 ÷ 1200  
 Product regulation: EN 61326-2-2  
 Electromagnetic compatibility  
 EMC 2014/30/UE  
 Dimensions mm.  
 130 x 80 x 25  
 Weight kg. 0,20



RE 30034



### PB 500 12/24 V503041 MODEL

PB500 is a professional device for testing the efficiency of 6 and 12 Volt starter batteries; furthermore, by following the instructions displayed on the 3,2-inch backlit LCD display, it is possible to carry out tests on the starting circuit, on the charging system and on board uses of 12 and 24 Volt.

PB500 displays the outside temperature and is thermally compensated. It does not require the use of batteries, it is powered by the battery under test (for the 6V battery test insert 6 1,5V batteries). Integrated thermal printer (58mm x 6.5mt thermal paper rolls)

The tests can be carried out on the following types of batteries: **SLI - AGM - VRLA / GEL - AGM Start & Stop EFB Start & Stop**

**SOH** percentage state duration  
**SOC** percentage state of charge  
**IR** measurement of internal resistance

Multilingual display with 9 selectable languages: Italian, English, French, German, Spanish, Portuguese, Russian, Japanese, Chinese.

Voltmeter range: 7-15Vdc  
 Tolerance: 0,1V  
 CCA 5% - IR 5%

CCA DIN 25 ÷ 1300  
 CCA IEC 30 ÷ 1500  
 CCA SAE 40 ÷ 2000  
 CCA EN 40 ÷ 2100  
 CCA CA 240 ÷ 1400  
 CCA JIS 40 ÷ 2000  
 Product regulation: EN 61326-2-2  
 Electromagnetic compatibility  
 EMC 2014/30/UE  
 Dimensions:  
 230x130x60 mm  
 Weight: kg. 0,70



RE 30035



### M2 OLED DIGITAL INSTRUMENT



Type	Reading scale A	Reading scale V	Shunt inside	Code
MULTIMETER	- 500 to 500	8 - 70	NO	RE 61266



### BATTERY MONITOR BMV-702



Highly accurate battery monitor: designed for 12 and 24V battery. With a history data memory and adjustable alarm function.

It is supplied with a 500A/50mV shunt. Display function: Battery Voltage (V). Current (A). Consumed Ampere-hours (Ah). Battery state of charge (%). Time remaining (h:m). Battery temperature (°C °F).

Model	Operating voltage	Absorption 12V	Absorption 24V	Input voltage V	Current range A	Battery range Ah	Dimensions panel mm	Inlet hole mm	Code
BMV 702	6,5-95 VDC	9mA	7 mA	0 - 35V	+/- 500	20/2000	Ø 63 x 31	Ø 52	RE 70063

- 10 meter UTP cable included.



 victron energy  
SMART ENERGY

 CBE  
RESEARCH & DEVELOPMENT

 aber  
MARINE

 mZeletronik


 BLUE SEA  
 SYSTEMS


 SURE  
 POWER


 SOLARA  
modular solar charging systems

 tegmate

- Battery charger
- Remote display
- Temperature sensors
- Professional inverters
- Combi inverters - battery chargers
- Battery isolators
- Battery separators
- Automatic charging relay
- Voltage reducer
- DC DC converters
- Equalizers
- Solar modules



## OPTIMATE 6 AMPMATIC

The most advanced battery charger and tester you can find on the market. One single device, in a robust, resistant and elegant case, easy to install. When connection is made, the microprocessor, automatically, checks battery conditions, and sets up current charge and the best program. A new version of this trustworthy multiphase desulfation Optimate program, will give new life to low charged batteries or discharged ones. Thanks to the Eco-mode, when battery is fully charged, there is no consume waste and the charge is ensured and ready, month after month, with a 400% safe long term maintenance.



**PORTABLE**

Model	Lenght input cable m	Lenght output cable m	Protection	Dimensions mm	Weight kg	Code
Optimate 6	2	2	IP 54	199x71 x 61	0,74	RE 30033

## TECHNICAL FEATURES

For AGM/MF, STD,  
GEL and batteries with spiral cells  
Check program  
Max input current  
Output current (charge bulk)  
Automatic desulfation  
Charge limit  
Maintenance cycle  
Charge test  
Installation  
Accessories

Intervals of Functioning temperature

5Ah ÷ 240Ah  
Ampmatic TM microprocessor  
0.55A@230V  
0,4A – 5,0A  
Multiphase (high voltage, turbo and on impulse)  
48 hours (Maintenance time: unlimited)  
30 min (each hour)  
5 possible results  
Easy wall installation  
TM-71 kit eye-bolt, resistant to elements  
TM-74 kit clamps  
-40°C / +50°C

# BATTERY CHARGERS SWITCHING



## BLUE SMART IP22 CHARGER

The Blue Smart IP22 Charger is the new professional battery charger with built-in Bluetooth. The Blue Smart IP22 Charger can be used on devices in your workshop and on motor vehicles, such as (classic) cars; motorbikes; boats and camper-vans.

### Technical data

- **Bluetooth Smart**
- **High efficiency**
- **Adaptive 6-stage charge algorithm:**  
test - bulk - absorption - recondition  
float - storage
- **Fully programmable charge algorithm**
- **Storage Mode:**  
less maintenance and aging when  
the battery is not in use
- **Also charges Li-ion batteries**
- **Fully discharged battery recovery function**
- **NIGHT and LOW setting**
- **Protected against overheating**
- **Eleven LEDs for status indication**
- **Charge algorithm:** EST / BULK / ABSORPTION  
RECONDITION / FLOAT / STORAGE / READY.
- **MODE button to set:** NORMAL (14,4 V)  
HIGH (14,7 V) / RECONDITION / LI-ION.
- **Forty cycle history log**
- **VE.Smart Networking:**  
The VE.Smart Network is a wireless device  
to device (D2D) communication network between  
Victron products, using Bluetooth Smart.
- **Optional battery voltage and temperature  
compensation, and current sensing**
- **Synchronized parallel charging:**  
Synchronize up to ten battery chargers  
in a VE.Smart network to make them charge  
a battery as if they were one large charger.  
The chargers will synchronize the charge algorithm  
between them. They will simultaneously switch  
from one charge state to another, for example  
from bulk to absorption.

Output voltage	Charge current	Number of outputs	Charge voltage (absorption)	Charge voltage (float)	Charge voltage (storage)	Input voltage range	Dimensions (H x W x D) mm	Code
12V	15 A	3	14,4 - 14,7V / Li ion 14,2V	13,8V / Li ion 13,5V	13,2V / Li ion 13,5V	180 - 265 VCA	235 x 108 x 65	RE 90194
12V	20 A	3	14,4 - 14,7V / Li ion 14,2V	13,8V / Li ion 13,5V	13,2V / Li ion 13,5V	180 - 265 VCA	235 x 108 x 65	RE 90195
12V	30 A	3	14,4 - 14,7V / Li ion 14,2V	13,8V / Li ion 13,5V	13,2V / Li ion 13,5V	180 - 265 VCA	235 x 108 x 65	RE 90196
24V	8 A	1	28,8 - 29,4 V / Li ion 28,4V	27,6V / Li ion 27,0V	26,4V / Li ion 27,0V	180 - 265 VCA	235 x 108 x 65	RE 90197
24V	16 A	3	28,8 - 29,4 V / Li ion 28,4V	27,6V / Li ion 27,0V	26,4V / Li ion 27,0V	180 - 265 VCA	235 x 108 x 65	RE 90198



## BLUE SMART IP65 CHARGER

The Blue Smart IP65 Charger is the new professional battery charger with built-in Bluetooth. The Blue Smart IP65 Charger can be used on devices in your workshop and on motor vehicles, such as (classic) cars; motorbikes; boats and camper-vans.

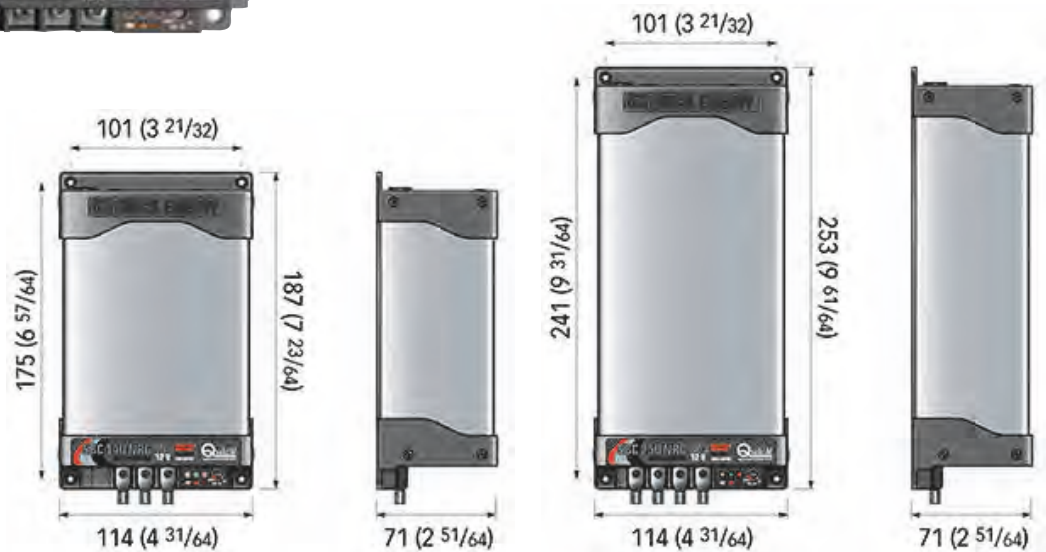
- Operating temp. range: -40 to +50 °C  
(full rated output up to 30°C)
- Seven step smart charge algorithm
- Current losses 0.7 Ah / month (1 mA)
- Max battery capacity (recommended):  
40/250 Ah (12V-10/25A)  
50/130 Ah (24V-13A)
- Standby power consumption:  
0,5 W
- Efficiency:  
94% (12V-10/25A)  
95% (24V-13A)
- Weight 1,9 Kg
- Protection category: IP65

Output voltage	Charge current	Number of outputs	Charge voltage (absorption)	Charge voltage (float)	Charge voltage (storage)	Input voltage range	Dimensions (H x W x D) mm	Code
12V	10 A	1	14,4 - 14,7V / Li ion 14,2V	13,8V / Li ion 13,5V	13,2V / Li ion 13,5V	180-265 VCA	60 x 105 x 190	RE 90119
12V	25 A	1	14,4 - 14,7V / Li ion 14,2V	13,8V / Li ion 13,5V	13,2V / Li ion 13,5V	180-265 VCA	75 x 140 x 240	RE 90120
24V	13 A	1	28,8 - 29,4 V / Li ion 28,4V	27,6V / Li ion 27,0V	26,4V / Li ion 27,0V	180-265 VCA	75 x 140 x 240	RE 90121




Three stage IUoU battery charging.  
 Multiple outputs in order to charge more groups of batteries (Electronic mosfet charge separator inside).  
 Differentiated charging for open or sealed liquid electrolyte, GEL or AGM batteries.  
 Integrated fuses inside the battery chargers (for each output).  
 Ability of providing full output power with low supply voltage.  
 The possibility of using the battery charger as a power supply without batteries.  
 Low residual fluctuation on output.  
 Universal AC supply input (264 ÷ 83 Vac, 45 ÷ 66 Hz).  
 Compatible with every kind of generator.  
 Can work in a wide range of ambient temperatures.  
 Variable speed for the cooling fans.  
 Protections:

- Reverse polarity (with internal fuses)
- Overload
- Output short circuit
- Overvoltage in output
- Overheating



SBC NRG 140

SBC NRG 250

Model	Output voltage	Max current	Output current	Voltage charge in absorption Vdc	Voltage charge in float Vdc	Voltage supply	Dimensions (W x H x D) mm	Code
SBC 140 NRG+ FR	12V	12 A	2	14.1 OL - 14.4 SL/GEL/AGM - 14.7 V Optima®	13.4 OL - 13.6 AGM 13.8 SL/GEL/Optima®	83...264 V	114 x 187 x 71	RE 90166
SBC 250 NRG+ FR	12V	25 A	3	14.1 OL - 14.4 SL/GEL/AGM - 14.7 Optima®	13.4 OL - 13.6 AGM 13.8 SL/GEL/Optima®	83...264 V	114 x 252 x 71	RE 90169
SBC 300 NRG+ FR	12V	30 A	3	14.1 OL - 14.4 SL/GEL/AGM - 14.7 Optima®	13.4 OL - 13.6 AGM 13.8 SL/GEL/Optima®	83...264 V	114 x 252 x 71	RE 90173
SBC 365 NRG+ FR	24V	15 A	3	28.2 OL - 28.8 SL/GEL/AGM - 29.4 Optima®	26.8 OL - 27.2 AGM 27.6 SL/GEL/Optima®	83...264 V	114 x 252 x 71	RE 90177
SBC 500 NRG+ FR	12V	40 A	3	14.1 OL - 14.4 SL/GEL/AGM - 14.7 Optima®	13.4 OL - 13.6 AGM 13.8 SL/GEL/Optima®	83...264 V	114 x 276 x 71	RE 90174



# SWITCHING BATTERY CHARGERS MEDIUM POWER



## SBC NRG NEW BATTERY CHARGERS



Three stage IUoU battery charging.  
 Multiple outputs in order to charge more groups of batteries (Electronic mosfet charge separator inside). Differentiated charging for open and sealed liquid electrolyte, GEL or AGM batteries. Integrated output fuses inside the battery chargers (for each output). Thermal battery protection (with optional sensors). Ability of providing full output power with low supply voltage. The possibility of using the battery charger as a power supply without batteries. Low residual fluctuation on output. - Universal AC supply input (Hi-Power excluded). Power factor (cos) equal to 1. - Compatible with every kind of generator. Short circuit, overloading, output overvoltage and overheating protection. Can work in a wide range of ambient temperatures. - Variable speed for the cooling fans. User interface that consist of a alphanumeric backlit LCD display with 3 buttons. Automatic and manual power derating. - CAN BUS interface for data transfer. Up to three battery chargers can be connected in parallel (Medium 700 - 1100 and Hi-Power).



**SBC 700 NRG+**



**SBC 750 NRG+**



**SBC 950 NRG+**

Model	Output voltage	Max current	Output current	Voltage charge in absorption Vdc	Voltage charge in float Vdc	Voltage supply	Dimensions (W x H x D) mm	Code
SBC 700 NRG+ FR	12 V	60 A	3	14.1 OL - 14.2 Li-Ion - 14.4 SL/ GEL/AGM - 14.7 Optima®	13.4 OL - 13.5 Li-Ion - 13.6 AGM - 13.8 SL/GEL/Optima®	83...264 V	170 x 391 x 82	RE 90175
SBC 950 NRG+ FR	24 V	40 A	3	28.2 OL - 28.4 Li-Ion - 28.8 SL/ GEL/AGM - 29.4 Optima®	26.8 OL - 27.0 Li-Ion - 27.2 AGM - 27.6 SL/GEL/Optima®	83...264 V	170 x 391 x 82	RE 90105



Model	Connection	Voltage supply	Absorption	Dimensions mm	Code
RDS 1562	Can Bus	9- 32 V	55 mA	116,5 x 77,2 x 27,2	RE 90127

# BATTERY CHARGERS

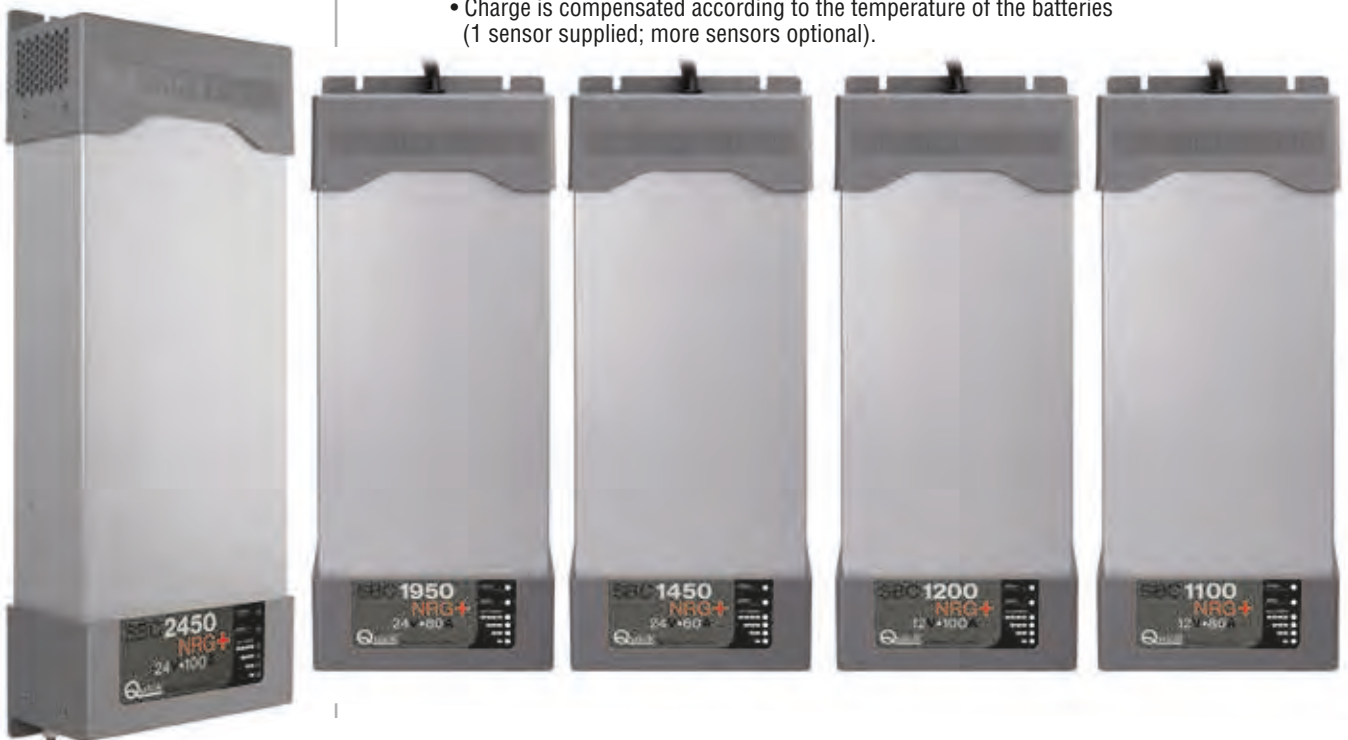
## HI POWER



### SBC NRG NEW BATTERY CHARGERS

The advantages which the SBC NRG+ battery chargers offer, are:

- Three stage IUoU battery charging. High efficiency.
- Multiple outputs in order to charge more groups of batteries (mosfet charge separator inside).
- Differentiated charging for open or sealed liquid electrolyte, Gel, AGM, Optima®, Li-Ion batteries.
- Integrated output fuses inside the battery chargers (for each output).
- Thermal battery protection (with optional sensors).
- Capacity of supplying full power with low AC mains voltage.
- Possibility to connect in parallel up to three battery chargers of the same model for current sharing by means of digital control.
- Low residual fluctuation on output.
- Power factor (cos) equal to 1.
- Compatible with the generators.
- Short circuit, overloading, output overvoltage and overheating protection.
- Can work in a wide range of ambient temperatures.
- Variable speed for the cooling fan.
- User interface via LEDs that signal the status, errors and the output current.
- Charge is compensated according to the temperature of the batteries (1 sensor supplied; more sensors optional).



Model	Output voltage	Max current	Output current	Voltage charge in absorption Vdc	Voltage charge in float Vdc	Voltage supply	Dimensions (W x H x D) mm	Code
SBC 1100 NRG+ FR	12	80	3	14.1 OL - 14.2 Li-Ion 14.4 SL/GEL/AGM - 14.7 Optima®	13.4 OL - 13.5 Li-Ion - 13.6 AGM 13.8 SL/GEL/Optima®	264 - 83 Vac	481 x 170 x 82	RE 90106
SBC 1200 NRG+ FR	12	100	3	14.1 OL - 14.2 Li-Ion 14.4 SL/GEL/AGM - 14.7 Optima®	13.4 OL - 13.5 Li-Ion - 13.6 AGM 13.8 SL/GEL/Optima®	264 - 83 Vac	481 x 170 x 82	RE 90107
SBC 1450 NRG+ HR	24	60	3	28.2 OL - 28.4 Li-Ion 28.8 SL/GEL/AGM - 29.4 Optima®	26.8 OL - 27.0 Li-Ion - 27.2 AGM 27.6 SL/GEL/Optima®	264 - 161 Vac	481 x 170 x 82	RE 90108
SBC 1950 NRG+ HR	24	80	3	28.2 OL - 28.4 Li-Ion 28.8 SL/GEL/AGM - 29.4 Optima®	26.8 OL - 27.0 Li-Ion - 27.2 AGM 27.6 SL/GEL/Optima®	264 - 161 Vac	481 x 170 x 82	RE 90118
SBC 2450 NRG+ HR	24	100	3	28.2 OL - 28.4 Li-Ion 28.8 SL/GEL/AGM - 29.4 Optima®	26.8 OL - 27.0 Li-Ion - 27.2 AGM 27.6 SL/GEL/Optima®	264 - 161 Vac	481 x 170 x 82	RE 90117



Model	Connection	Voltage supply	Absorption	Dimensions mm	Code
RDS 1562	Can Bus	9 - 32 V	55 mA	116,5 x 77,2 x 27,2	RE 90127



## PHOENIX INVERTER VE.DIRECT

Inverters allow you to power domestic equipment - requiring 230V/120V AC - using “leisure” or “automotive” batteries rated at 12V, 24V or 48V DC.

### The VE.Direct port can be connected to:

- A computer (VE.Direct to USB interface cable needed)
- Apple and Android smartphones, tablets, MacBook’s and other devices (VE.Direct Bluetooth Smart dongle needed)

### Fully configurable:

- Low battery voltage alarm trip and reset levels
- Low battery voltage cut-off and restart levels
- Dynamic cut-off: load dependent cut-off level
- Output voltage 210 - 245V
- Frequency 50 Hz or 60 Hz
- ECO mode on/off and ECO mode sense level

### Monitoring:

- In-and output voltage, % load and alarms

Model	Input voltage	Cont. power	Output voltage (adjustable)	Peak power	Dimensions	Weight (Kg/Lbs)	Code
12/250	12 V	200 W	230VAC or 120VAC +/- 3%	400 W	86 x 165 x 260 mm	2,4kg / 5,3lbs	RE 70100
12/500	12 V	400 W	230VAC or 120VAC +/- 3%	900 W	86 x 172 x 275 mm	3,9kg / 8,5lbs	RE 70101
12/800	12 V	650 W	230VAC or 120VAC +/- 3%	1500 W	105 x 230 x 325 mm	5,5kg / 12lbs	RE 70102
12/1200	12 V	1000 W	230VAC or 120VAC +/- 3%	2200 W	117 x 232 x 362 mm	7,4kg / 16,3lbs	RE 70103
24/500	24 V	400 W	230VAC or 120VAC +/- 3%	900 W	86 x 172 x 275 mm	3,9kg / 8,5lbs	RE 70104
24/800	24 V	650 W	230VAC or 120VAC +/- 3%	1500 W	105 x 216 x 305 mm	5,5kg / 12lbs	RE 70105
24/1200	24 V	1200 W	230VAC or 120VAC +/- 3%	2200 W	117 x 232 x 327 mm	7,4kg / 16,3lbs	RE 70106



## INVERTER PHOENIX SMART

The Phoenix Inverter Smart is an efficient and reliable inverter. Built on our proven and field tested Phoenix inverter platform, it now comes with a new slimmer design and full metal casing. Models are available in 1600VA, 2000VA, 3000VA and 5000VA for 12, 24 or 48V systems.

It's powerful enough to supply most common plug in appliances in your car, boat, caravan or home. A toroidal transformer provides a high peak power surge capacity, stable voltage, frequency and high quality sine-wave.

Bluetooth is built-in, and makes setting up your high power inverter easier than ever before.

Configure alarms, alarm relay, voltage cut-off, output voltage, frequency, eco-mode and more, all from within VictronConnect.

Model	Input voltage	Cont. power	Output voltage	Peak power	Dimensions	Weight	Code
12/1600	12 V	1300 W	230 VAC ± 2%	3000 W	485 x 219 x 125 mm	12 kg	RE 70110
12/2000	12 V	1600 W	230 VAC ± 2%	4000 W	485 x 219 x 125 mm	13 kg	RE 70111
12/3000	12 V	2400 W	230 VAC ± 2%	6000 W	533 x 285 x 150 mm	19 kg	RE 70112
24/1600	24 V	1300 W	230 VAC ± 2%	3000 W	485 x 219 x 125 mm	12 kg	RE 70113
24/2000	24 V	1600 W	230 VAC ± 2%	4000 W	485 x 219 x 125 mm	13 kg	RE 70114
24/3000	24 V	2400 W	230 VAC ± 2%	6000 W	485 x 285 x 150 mm	19 kg	RE 70115
24/5000	24 V	4000 W	230 VAC ± 2%	10000 W	595 x 295 x 160 mm	29 kg	RE 70116



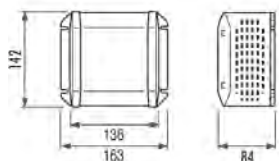
## INVERTERS AJ SERIES

The AJ range consists of sine wave inverters that convert the DC voltage of a battery into AC voltage  
 Pure sine wave, high reliability, high capacity for supporting high voltage  
 Hybrid technology – Toroidal transformer and an oversized MOS power stage  
 Digital regulation and control by microprocessor  
 Direct power cables and outputs for maximum reliability  
 DC cable (1,2 – 1,5 – 1,7 m) AC cable (1m)  
 Peak power: up to 2,5x Pnom  
**PROTECTION:** overload - overheat – short circuit – reverse polarity  
 Stand-by level adjustable from a very low threshold  
 Acoustic alarm before low battery or overheating disconnection  
 A green led on the inverters indicates the function mode  
 Degree of protection: IP30 (IP 20 for 2100-2400 model)  
 Certified to the ECE-R 10 norm  
 EC conformity: EN 50081 EN 50022-6-3 EN 50091-2 EN 60950 IEC 801(1/3/4) CEI555  
**INSTALLATION:**  
 In a dry place and in any case with no condensation  
 Not directly on top of the battery  
 Ventilation must be free (it needs a space of 10 cm)

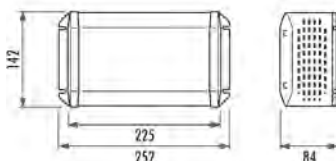


**CONNECT THE BATTERY OBSERVING CAREFULLY THE POLARITY  
 REVERSE POLARITY DAMAGES THE INVERTER**

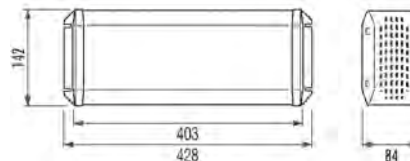
AJ 275-AJ 350



AJ 500-AJ 600



AJ 1000-AJ 1300



**INVERTER 12V-230V**

Model	Input voltage Vdc	Output voltage Vac	Nominal power VA	Power 30 min VA	Power 5 sec VA	Stand by load W	Absorp. Stand by W	Absorp. On No load	Max absorp. A/h	Dimensions (W x L x H) mm	Weight Kg	Code
AJ 275-12	11,4...16	230	200	275	450	2	0,3	1,9 W	27	142x163x84	2,5	RE 70017
AJ 500-12	11,4...16	230	400	500	1000	1...20	0,3	3,8 W	50	142x240x84	4,5	RE 70013
AJ 1000-12	11,4...16	230	800	1000	2200	1...20	0,3	9 W	80	142x428x84	8,5	RE 70014
AJ 2100-12	11,4...16	230	2000	2100	5000	1...20	0,3	13 W	210	273x399x117	19	RE 70024

**INVERTER 24V-230V**

Model	Input voltage Vdc	Output voltage Vac	Nominal power VA	Power 30 min VA	Power 5 sec VA	Stand by load W	Absorp. Stand by W	Absorp. On No load	Max absorp. A/h	Dimensions (W x L x H) mm	Weight Kg	Code
AJ 350-24	22,8...32	230	300	350	650	2	0,3	3,3 W	17,5	142x163x84	2,5	RE 70018
AJ 600-24	22,8...32	230	500	600	1200	1...20	0,4	8,5 W	30	142x240x84	4,5	RE 70015
AJ 1300-24	22,8...32	230	1000	1300	2800	1...20	0,4	10 W	65	142x428x84	8,5	RE 70016
AJ 2400-24	22,8...32	230	2000	2400	5200	1...20	0,4	18 W	120	273x399x117	19	RE 70025



## CONTROL FOR AJ INVERTERS

It can be used from AJ1000-12V series to the AJ2400-24V  
 Supplied with 10m cable - Max length cable: 50m  
 ON-OFF switch - Acoustic alarm - Green indicator LED

Model	Compatibility	Dimensions	Code
JT8 REMOTE CONTROL	Serie AJ 1000 - AJ1300 - AJ 2100 - AJ 2400	58 x 52 x 25 mm	RE 70045

# INVERTER BATTERY CHARGER

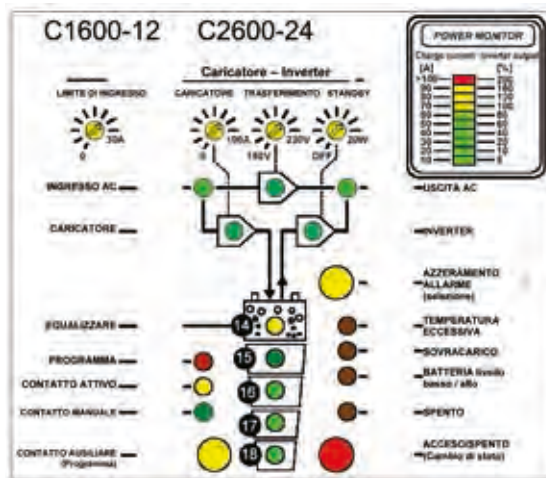
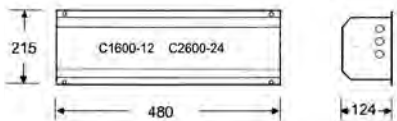
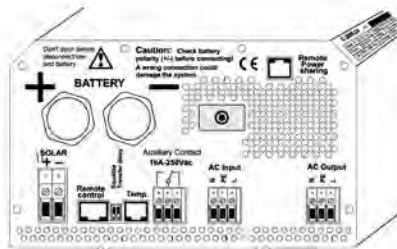


## COMBI INVERTER - CHARGERS COMPACT SERIES

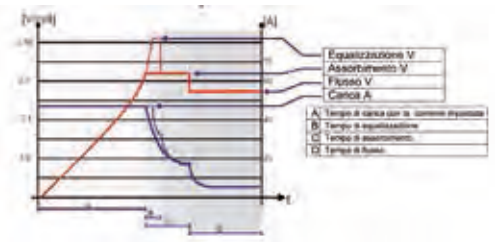
Full automatic battery charger-inverter.  
 High efficiency 94%.  
 Toroidal transformer, Hybrid technology.  
 Digital regulation with microprocessor  
 4 step (I/U/Uo/equalizing) battery charger  
 Certified to the ECE-R 10 (E24) norm.  
 PROTECTIONS: overload, overheating-short circuit, reverse polarity.



**BEFORE CONNECTING THE BATTERY  
 OBSERVE CAREFULLY THE POLARITY  
 REVERSED POLARITY DAMAGES THE INVERTER**



CHARGING DIAGRAM AT 4 STAGES



## COMBI INVERTERS-CHARGERS 12V

Model	Input supply Vdc	Output voltage V	Nominal power VA	Power 30 min VA	Power 5 sec VA	Charging current A	Width mm	Length mm	Height mm	Weight Kg	Code
C 1600-12	11,4...16	230	1300	1600	3900	0-55	215	480	124	16	RE 70027

## COMBI INVERTERS-CHARGERS 24V

Model	Input voltage Vdc	Output voltage V	Nominal power VA	Power 30 min VA	Power 5 sec VA	Charging current A	Width mm	Length mm	Height mm	Weight Kg	Code
C 2600-24	22,8...32	230	2300	2600	6900	0-50	215	480	124	17,1	RE 70028



### COVER

COVER FOR A PROTECTION AGAINST INTRUSIONS OR PROJECTIONS

RE 70060



### REMOTE CONTROL FOR COMPACT SERIES

Supplies with 10 m cable.  
 Acoustic alarm.  
 Comprehensive LED display.

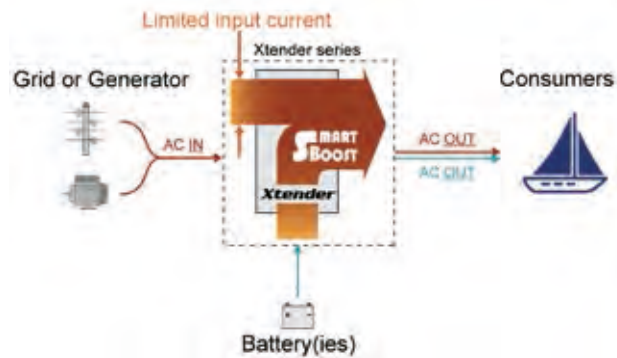
Model	Compatibility	Dimensions	Code
RCC - 01	C 1600-12 C 2600-24	136 x 111 x 25 mm	RE 70061

# COMBI INVERTER BATTERY CHARGER



## SINE WAVE INVERTER-CHARGER XTM

The medium power x-tender series provide an unmatched freedom of use. It offers the functions of inverter, battery charger, transfer system and smart-Boost (assistance to the source even with difficult load). This function can be combined and controlled in a totally automatic way. Its programmable auxiliary contacts allow the interconnection with existing system as well. It is possible to set 3 MTH in parallel (increase of the power available x 3). It is possible to create a 3-phase source.

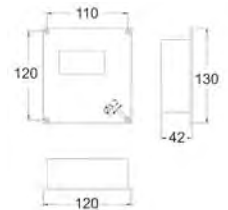


Model	Nominal battery voltage	Voltage output Vac	Max power x 5 sec	Max power x 30 min	Continuous power VA	Power Smart boost x 30 min	Charging current A	Dimensions mm	Weight Kg	Code
XTM 2000-12	12 V	230	4800 VA	2000 VA	1600	2000 VA	0 - 85	322 x 466 x 133	18,5	RE 70056
XTM 3500-24	24 V	230	9000 VA	3500 VA	3000	3500 VA	0 - 75	322 x 466 x 133	21,2	RE 70057



## REMOTE CONTROL CENTRE RCC-03

Panel mount. Allows the setting and the programming of the inverter-charger XTM series. Graphic display simple to read. Equipped with four operating keys. ON-OFF switch. Equipped with an SD card reader used for various functions: recording statistics, updates.



Model	Voltage supply Vdc	Panel connections	Possible to connect 2 x RCC-03	Possible to connect 3 combi	Display Back Lighted	Dimensions mm	Code
RCC - 03	10 - 30	2 x RJ45	Yes	Yes	Amber color	130 x 120 x 42	RE 70064



## COMUNICATION CABLE RJ45

Studer cable used for interconnection between electronic Studer.

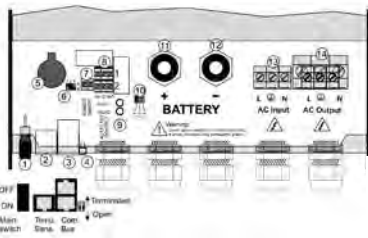
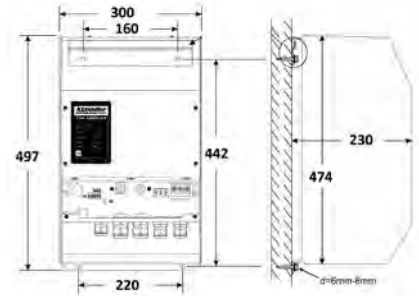
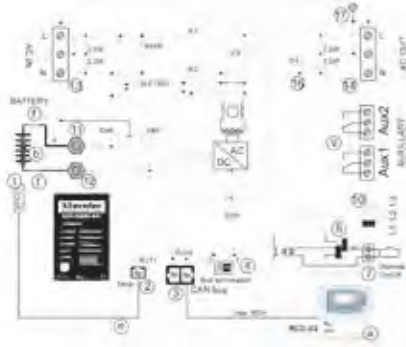
Model	Applications	Length	Connectors	Packaging	Code
CAB - RJ45 - 2	Parallel between XTM	2 m	2 x RJ45	1 pc	RE 70065
CAB - RJ45 - 5	RCC 03 - XTM	5 m	2 x RJ45	1 pc	RE 70066
CAB - RJ45 - 20	RCC 03 - XTM	20 m	2 x RJ45	1 pc	RE 70068
CAB - RJ45 - 50	RCC 03 - XTM	50 m	2 x RJ45	1 pc	RE 70069

# COMBI INVERTER BATTERY CHARGER

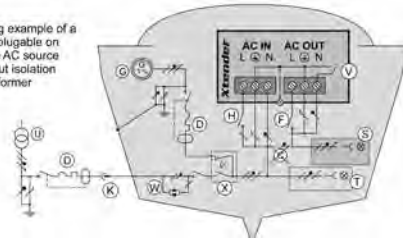


## SINE WAVE INVERTER-CHARGER XTH

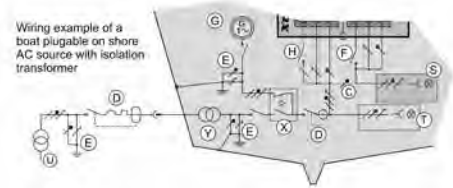
The Xtender series provide an unmatched freedom of use. It offers the functions of inverter, battery charger, transfer system And smart-Boost (assistance to the source even with difficult load). This function can be combined and controlled in a totally automatic way. Its programmable auxiliary contacts allow as well the interconnection with existing system. Is possible to set 3 XTH in parallel to increase the power available. It is possible to create a 3-phase source.



Wiring example of a boat plugable on shore AC source without isolation transformer



Wiring example of a boat plugable on shore AC source with isolation transformer

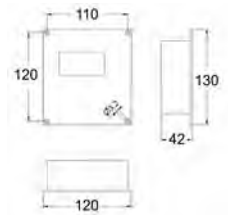


Model	Nominal battery voltage	Voltage output Vac	Max power x 5 sec	Max power x 30 min	Continuous power VA	Power Smart boost x 30 min	Charging current A	Dimensions mm	Weight Kg	Code
XTH 3000-12	12 V	230	7500 VA	3000 VA	2500	3500 VA	0 - 160	300 x 500 x 230	34	RE 70058
XTH 5000-24	24 V	230	12000 VA	5000 VA	4500	5000 VA	0 - 140	300 x 500 x 230	40	RE 70059



## REMOTE CONTROL CENTRE RCC-03

Panel mount. Allows the setting and the programming of the inverter-charger XTM series. Graphic display simple to read. Equipped with four operating keys - ON-OFF switch. Equipped with an SD card reader used for various functions: recording statistics, updates.



Model	Voltage supply Vdc	Panel connections	Possible to connect 2 x RCC-03	Possible to connect 3 combi	Display back lighted	Dimensions mm	Code
RCC - 03	10 - 30	2 x RJ45	Yes	Yes	Amber color	130 x 120 x 42	RE 70064

## COMUNICATION CABLE RJ45

Studer cable used for interconnection between electronic Studer.



Model	Applications	Length	Connectors	Packaging	Code
CAB-RJ45-2	Parallel between XTM	2 m	2 x RJ45	1 pc	RE 70065
CAB-RJ45-5	RCC03 - XTM	5 m	2 x RJ45	1 pc	RE 70066
CAB-RJ45-20	RCC03 - XTM	20 m	2 x RJ45	1 pc	RE 70068
CAB-RJ45-50	RCC03 - XTM	50 m	2 x RJ45	1 pc	RE 70069

# BATTERY ISOLATORS

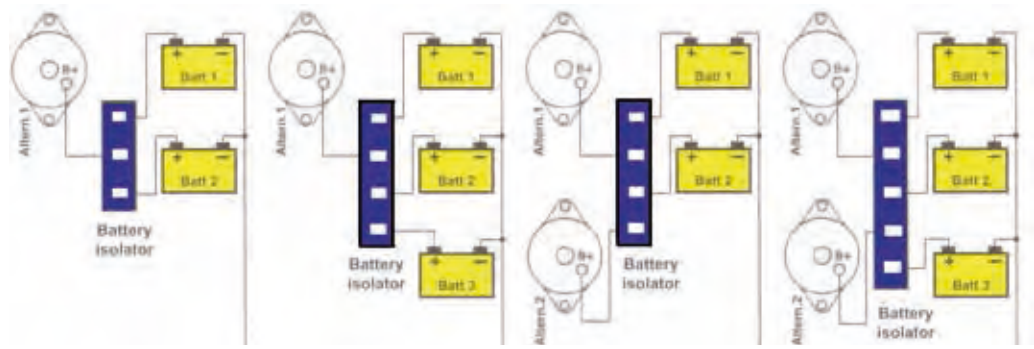


## MULTI BATTERY ISOLATORS

Negative ground battery isolator.  
 The original: invented by Sure Power in 1959.  
 100% solid state electronics protection.  
 Operating temperature: - 40°C + 120°C.  
 Expressively designed for nautical use employ.



Model	Voltage supply Vdc	Output current A	Input (alternators) n°	Output (battery) n°	Width cm	Length cm	Height cm	Stud section mm	Code
702	6-50	70	1	2	11,43	8,26	7,87	M6	RE 90141
702R	6-50	70	1	2	11,43	8,26	7,87	M6	RE 90142
703	6-50	70	1	3	11,43	8,26	7,87	M6	RE 90161
2703	6-50	70	2	3	11,43	16,51	7,87	M6	RE 90146
3203	6-50	120	2	3	11,43	22,86	7,87	M8	RE 90136
1202	6-50	120	1	2	11,43	16,51	7,87	M8	RE 90143
1203	6-50	120	1	3	11,43	16,51	7,87	M8	RE 90181
1602	6-50	160	1	2	11,43	22,86	7,87	M8	RE 90144
1603	6-50	160	1	3	11,43	22,86	7,87	M8	RE 90182
2002	6-50	200	1	2	10,52	18,97	7,87	M8	RE 90130
2003	6-50	200	1	3	10,52	18,97	7,87	M8	RE 90131

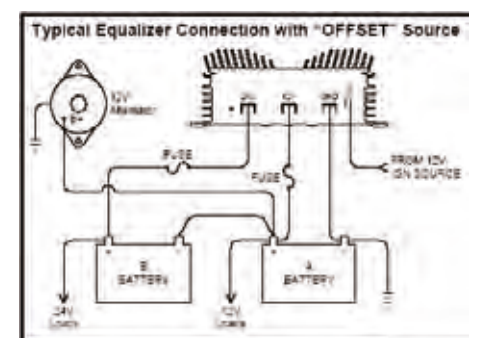
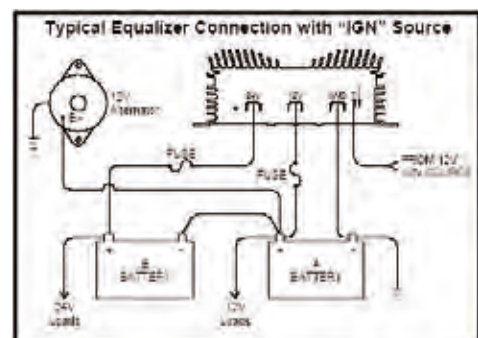
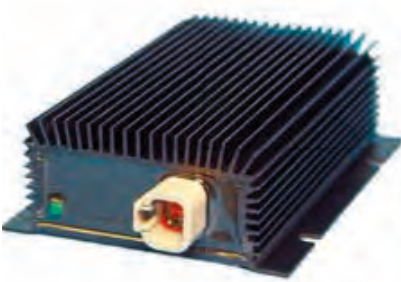


## BATTERY EQUALIZER

APPLICATION: 24V system that requires 12V power. Operating temperature: - 40° C + 85°C.  
 Low standby current drain- typically 5 mA or less. Protections: reverse polarity - short circuit - over current.



Model	Voltage supply Vdc	Output voltage V	Output current A	Width cm	Length cm	Height cm	Code
12025E00	12	24	25	16,76	30,48	7,37	RE 90183
21030E10	24	12	30	16,76	21,84	7,37	RE 90147





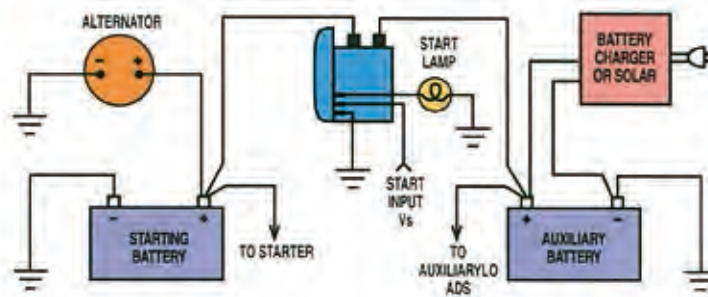
# BATTERY SEPARATORS



## BATTERY SEPARATORS

**SIMPLE INSTALLATION:** connects to primary battery, auxiliary battery and ground.  
**MULTIPLE BATTERY CHARGER:** allows multiple battery to be charged from one charging source.  
**PRIORITIZED CHARGING:** the system disconnects at approximately at 13,2V and connects below 12,8V.  
**PREVENT CHARGING SYSTEM OVERLOAD:** if the current requirements are bigger than these of the charging source the battery separator will automatically separate the batteries.  
**ELECTRONIC SAFETY:** a delay function prevents the battery separator to react to momentary voltage fluctuations and chattering.

Model	Voltage V	Max continous current A	MAX current 10 sec A	Description	Width cm	Length cm	Height cm	Stud section mm	Code
1314	12	100	400	Uni-directional	6,35	8,25	7,62	M 8	RE 90180
1314-200	12	200	600	Uni-directional	8,3	10,3	10,2	M 8	RE 90186
1315	12	100	400	Bi-directional	6,35	8,25	7,62	M 8	RE 90140
1315-200	12	200	600	Bi-directional	8,3	10,3	10,2	M 8	RE 90112
1319	24	100	400	Bi-directional	6,35	8,25	7,62	M 8	RE 90184
3103	24	300	900	Bi-directional	9,22	7,62	9,22	M 10	RE 90138



## LOW VOLTAGE DISCONNECT



Senses low battery voltage and automatically disconnects devices to save power for starting or to preserve battery life. A dead battery is one of the most common reasons for a tow. Don't get stranded with a dead battery. The m-LVD senses low battery voltage and automatically disconnects non-essential devices to save power for starting or to preserve battery life. The m-LVD is ideal for any single battery boat or vehicle that wants to avoid getting stranded with a dead battery.

Nominal voltage V	Continuous rating A	Intermittent rating A	Disconnect voltage V	Connect voltage V	Dimensions mm	Code
12	65	115	11,3 - 12,1	13	72,3 x 72,3 x 65,2	RE 90187



## INTELLIGENT BATTERY SAVING DEVICES



Automatically disconnects non critical loads from the battery to prevent excessive battery discharge.  
 Automatically reconnects when battery is recharged (alternator - battery charger).  
 Manual override for connecting or disconnecting during emergency.  
 Adjustable disconnect voltage from 9,0V to 12,15V.  
 Audible or visual alarm output activates 1 minute before disconnect.  
 Fully protected: Over current, short circuits, over temperature - Low standby current drain.

Model	Voltage supply Vdc	Disconnect voltage V	Length cm	Width cm	Height cm	Code
130512	12	9,0 - 12,15	11,6	10,16	3,81	RE 90185

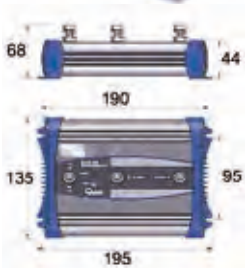
# BATTERY SPLITTERS



## ARGOFET BATTERY ISOLATORS

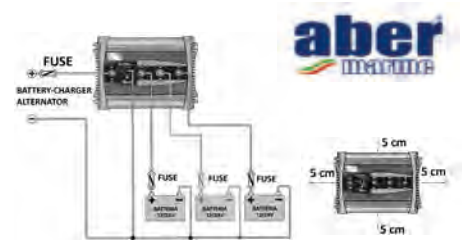
Similarly to Argodiode battery isolators, Argofet isolators allow simultaneous charging of two or more batteries from one alternator (or a single output battery charger), without connecting the batteries together. In contrast with Argodiode battery isolators, Argofet isolators have virtually no voltage loss. Voltage drop is less than 0,02 Volt at low current and averages 0,1 Volt at higher currents.

Model	Maximum charge current	Number of batteries	Length	Depth	Height	Code
Argofet 100-2	100 A	2	200 mm	65 mm	120 mm	RE 90190
Argofet 100-3	100 A	3	200 mm	65 mm	120 mm	RE 90191
Argofet 200-2	200 A	2	200 mm	65 mm	120 mm	RE 90192
Argofet 200-3	200 A	3	200 mm	65 mm	120 mm	RE 90193



## MOSFET BATTERY ISOLATOR

Power MOSFET electronic circuit.  
Power indicating LED.  
Low power dissipation.  
No voltage drop.  
O-Ring effect allows the charge of the batteries.  
safeguarding the electrical system on board.



Supply V	Input alternator n°	Charge current A	Output batteries n°	Width mm	Length mm	Height mm	Weight g	Code
12/24	n° 1	A 160	n° 2	135	195	68	1200	RE 90101
12/24	n° 1	A 160	n° 3	135	195	68	1200	RE 90102
12/24	n° 1	A 220	n° 2	135	195	68	1200	RE 90103
12/24	n° 1	220	3	135	195	68	1200	RE 90104

## GALVANIC ISOLATED DC DC CONVERTERS

To use in aluminium boat - Useful for SSB wiring.  
Great stability of the output voltage for a more reliable system.  
PROTECTIONS: overload, overheating, Short circuits, reverse polarity.  
Isolation Voltage: 400V - Efficiency >85%. Operating temperature -20°C +45°C.  
Cooling with fan (RE70039 convection).



Model	Input supply Vdc	Output voltage V	Power W	Width mm	Length mm	Height mm	Weight gr	Code
MDCI100A12	9- 18	12,5	100	88	152	49	500	RE 70039
MDCI200A12	9- 18	12,5	200	88	182	49	600	RE 70040
MDCI200B24	20...35	24	200	88	182	49	600	RE 70041
MDCI360B24	20...35	24	360	163	160	64	1400	RE 70042

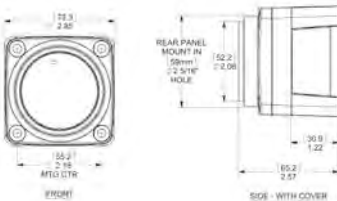
## DC DC CONVERTERS 12-24 V

Great stability of the output voltage for a more reliable system.  
PROTECTIONS: overload, overheating, Short circuits, reverse polarity.  
Operating temperature -1°C +40C.  
Application: 24V system that requires 12V power.



Model	Input supply Vdc	Output voltage V	Power W	Width mm	Length mm	Height mm	Weight gr	Galvanic isolated	Code
MDCI360A24	9- 18	24	15	183	160	64	1400	YES	RE 70043
MDCI1224-7	10- 18	24	7	88	98	49	477	NO	RE 70044

# AUTOMATIC CHARGING RELAY



## CHARGING RELAY

The Mini Automatic Charging Relay (M-ACR) is designed to manage the charging current from alternators up to 65 Amps found on most outboards and many inboard engines. Start Isolation (SI) protects sensitive electronics by temporarily isolating house loads from the engine circuit during engine cranking, protecting the house circuit from voltage sags and spikes. The compact design allows for three mounting styles: surface, rear, or panel mount. The M-ACR is also available as a module in a Custom 360 Panel.

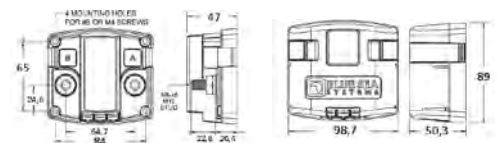


Model	Voltage supply	Close contacts	Open contacts	Max power continuous	Max power 5 min	Protection	Weight	Code
7601	12-24V	13,6-27,2V	12,35-24,7V	65 A	115A	IP 67	0,43 kg	RE 60405



## SI SERIES AUTOMATIC CHARGING RELAY

Hermetically sealed contacts/vaporproof  
Automatically combines battery banks during the charging cycle and isolates under discharge  
Activates whether the charging source is an alternator or battery charger  
Automatic control for charging more batteries  
Output for ON indicating led

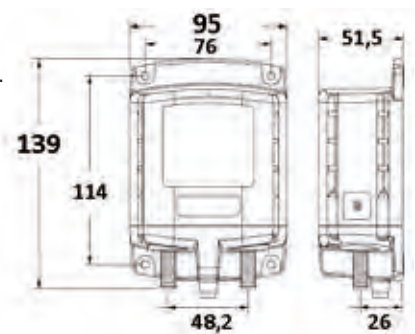
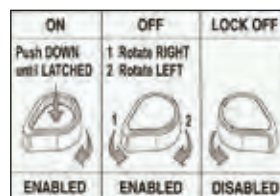


Input voltage	Close contacts	Open contacts	Max power continuous	Max power 2 min	Max power 5"	Dimensions mm	Studs size	Code
9-36 Vdc	13,5 - 27 V	12,7 - 25,4 V	120 A	210 A	280 A	98,7x88,9x50,3	M 10	RE 60402



## HEAVY DUTY AUTOMATIC CHARGING RELAY IP66

Automatically manages the charging of two large battery bank.  
Very low current in the ON or OFF position and in exchange position.  
Model without manual emergency knob (RE60400 - RE60401).  
Model with manual emergency knob (RE60403 - RE60404).  
Combine (30 sec) with voltage 13.5V DC or 27,0 V DC.  
Combine (60sec) with voltage 13,0 V DC or 26 V DC.  
Open (10 sec) with voltage 12.35V DC or 24.75 V DC.  
Open (30sec) with voltage 12,75V DC or 25,5 V DC.  
Open high with voltage 16,2V DC or 32.4V DC (System protection).  
Meets ISO 8846 and SAE J1171 requirements.



Model	Voltage supply V	Emergency Manual control	Continuous rating Max	Intermittent rating 5 min	Cranking rating 5 sec	Absorption Momentary mA	Absorption On/Off state mA	Studs size	Code
7620	12 V	NO	300 A	500 A	2500 A	10	40	M10	RE 60400
7621	24 V	NO	300 A	500 A	2500 A	10	40	M10	RE 60401
7622	12 V	YES	300 A	500 A	2500 A	10	40	M10	RE 60403
7623	24 V	YES	300 A	500 A	2500 A	10	40	M10	RE 60404

# VOLTAGE REDUCERS



## ORION-TR DC-DC CONVERTERS ISOLATED

All models are short circuit proof and can be paralleled to increase output current. An unlimited number of units can be connected in parallel.

IP43 protection: when installed with the screw terminals oriented downwards.

Screw terminals: no special tools needed for installation.

Input fuse: on 12V and 24V input models only.



Model	Input voltage	Output voltage	Nominal output voltage	Max output current (10s)	Weight Kg	Dimensions mm	Code
Orion-Tr 24/12-9 (110 W)	16 - 35 V	12,2V	9 A (25° C)	12,5 A	0,42	100 x 113 x 47	RE 70076
Orion-Tr 24/12-20 (240 W)	16 - 35 V	12,2V	20 A (40° C)	25 A	1,3	130 x 186 x 70	RE 70077
Orion-Tr 24/12-30 (360 W)	20 - 35 V	12,2V	30 A (40° C)	45 A	1,8	130 x 186 x 80	RE 70078

## VOLTAGE REDUCER

Designed for nautical applications.

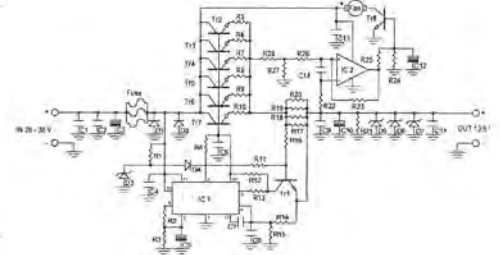
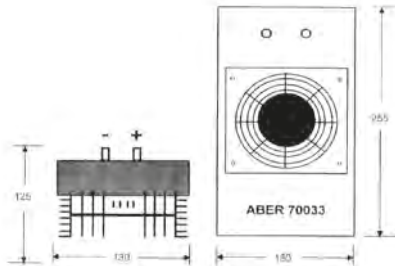
Cooling: natural. 30A model is equipped with controlled fan.

With internal fuses.

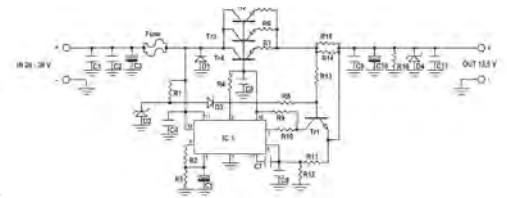
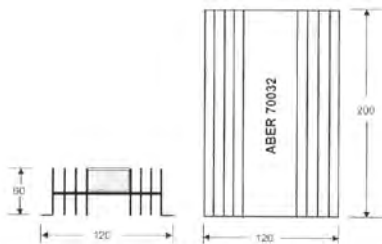
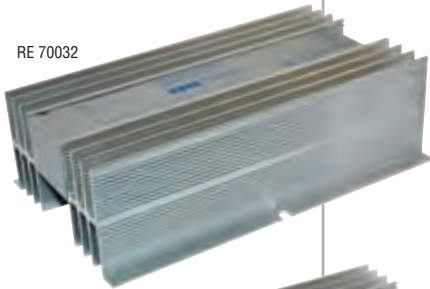
PROTECTION: Short circuits - Reverse polarity - Output overvoltage - Overheating.



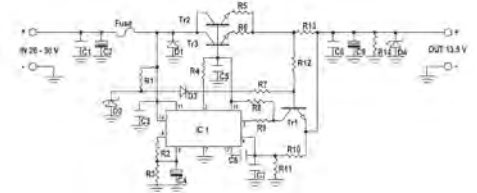
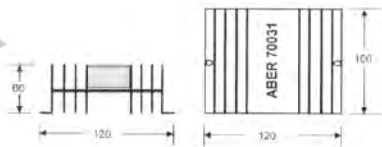
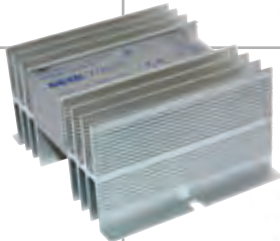
RE 70033



RE 70032



RE 70031



**!** FOR A CORRECT COOLING IS NECESSARY TO MOUNT THE VOLTAGE REDUCER IN VERTICAL WITH THE ALLUMINIUM SQUANDERER TABS IN VERTICAL

**!** TAKE CARE OF POLARITY: DO NOT INVERT

Voltage supply Vdc	Output voltage Vdc	Max output current	Max load 1'	Internal Fuse	Weight gr	Lenght mm	Width mm	Height mm	Code
20-30	13,5	7A	10A	-	340	100	100	60	RE 70031
20-30	13,5	12A	16A	-	670	200	100	60	RE 70032
20-30	13,5	25A	35A	3x12A	2100	255	130	125	RE 70033



### SWITCHING VOLTAGE REDUCERS

Switching technology for higher performance in a little case.  
Special alloy aluminium for a better squandering.  
Low residual output fluctuation: ripple lower than 50mV RMS.  
EMC class: EN55022. Output voltage stability: 1%.  
Input and output connection through cable pre-installed.  
Installation: vertical.  
Protections: Short circuit, overvoltage, reverse output polarity.  
Cooling system: natural (on all model).



Model	Voltage supply Vdc	Output voltage Vdc	Max output current	Max load 1'	Max absorption A	Weight gr	Fuse A	Length mm	Width mm	Height mm	Code
VRS 10	20-30	13,5	A 7	A 10	A 7,5	325	6	160	75	35	RE 70034
VRS 16	20-30	13,5	A 12	A 16	A 12,5	500	10	170	105	35	RE 70035
VRS 23	20-30	13,5	A 18	A 23	A 18,5	700	12	200	116	41	RE 70036



### SWITCHING VOLTAGE REDUCERS

Switching technology for higher performance in a little case.  
Special alloy aluminium for a better squandering.  
Low residual output fluctuation: ripple lower than 15mV RMS.  
EMC class: EN55022.  
Input and output connection through cable pre-installed.  
Output voltage stability: 1%. Installation: vertical.  
Protections: Short circuit, overvoltage, reverse output polarity.  
Cooling system: natural (on all model).



Model	Voltage supply Vdc	Output voltage Vdc	Max output current A	Max absorption A	Weight gr	Length mm	Width mm	Height mm	Code
VRS HE	18-32	13,5	A 30	A 24	500	120	157	40	RE 70067



### SWITCHING VOLTAGE REDUCERS

Switching technology for higher performance in a little case.  
Special alloy aluminium for a better squandering.  
Low residual output fluctuation: ripple lower than 10mV RMS.  
Input and output connection through cable pre-installed.  
Output voltage stability: +-0,5 Vcc.  
Installation: vertical.  
Protections: Short circuit, overvoltage, reverse output polarity.  
Cooling system: natura (mod. VR30SW e VR60SW) - fan cooling (mod.VR120SW).

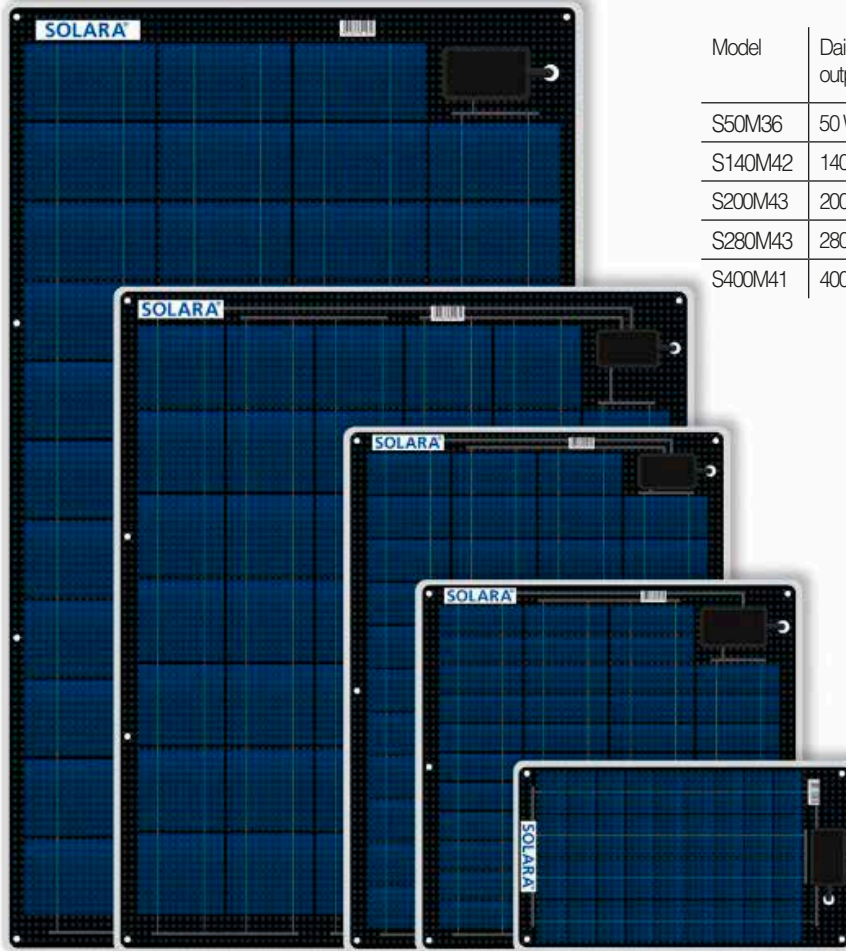


Model	Voltage supply Vdc	Output voltage Vdc	Max output current A	Fuse input A	Fuse output A	Max power output W	Length mm	Width mm	Height mm	Code
VR30SW	22-32	13,4	30	20	30	405	120	100	40	RE 70051
VR60SW	22-32	13,4	60	2x30	3x30	810	320	190	65	RE 70052
VR120SW	22-32	13,4	120	3x30	4x30	1620	320	190	75	RE 70053

# FLEXIBLE SOLAR MODULES

## FLEXIBLE SOLAR MODULES M-SERIES

In stainless steel: back side is covered by a double layer of powder coating. Walkable surface, photovoltaic high efficiency cell. Sea and salt resistant, high transparency, self cleaning high tech surface 1,5 m pre-mounted cable, flat, miniaturized, watertight, robust, with cover.



S280M43    S400M41    S200M43    S140M42    S50M36

Model	Daily output	Rated output	Circuit voltage	Short-circuit current	Voltage V	Current A
S50M36	50 Wh/d	15 Wp	24,48 V	0,72 A	20.88	0.69
S140M42	140 Wh/d	35 Wp	28,56 V	1,44 A	24.36	1.38
S200M43	200 Wh/d	50 Wp	29,24 V	2,15 A	24.94	2.05
S280M43	280 Wh/d	70 Wp	29,24 V	2,85 A	24.94	2.72
S400M41	400 Wh/d	100 Wp	27,88 V	4,29 A	23.87	4.10

No. of cells	Cell dimensions	Dimensions mm (LxWxH)	Weight Kg	Code
36	52x35 mm	431x243x4	0,9	RE 90531
42	104x35 mm	464x481x4	1,7	RE 90533
43	104x52 mm	654x481x4	2,2	RE 90534
43	104x69 mm	844x481x4	2,8	RE 90535
41	104x104 mm	798x695x4	3,7	RE 90536

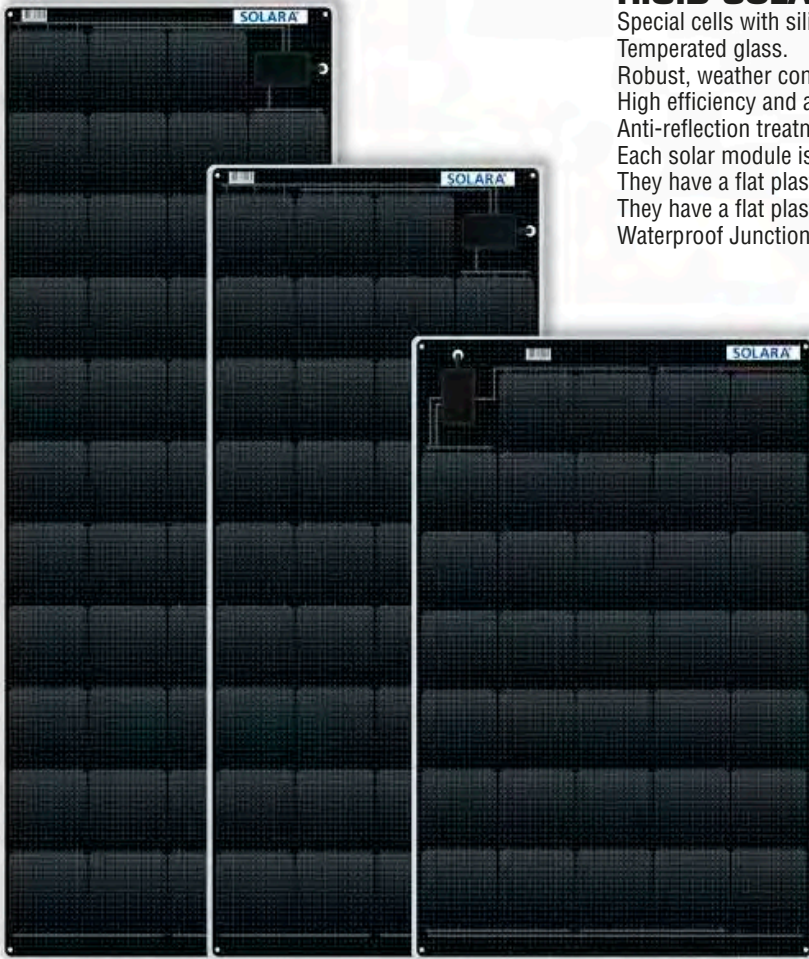


## CHARGE CONTROLLERS

Our charge controllers guarantee high reliability, the latest technology and easy installation at low costs. The regulated PWM characteristic guarantees optimized charging. All Solara controllers are so-called series regulators (no shunt) and thus very efficient. The load output protects your battery from deep discharge. A large and informative LCD display shows the current system status. The SR 350 DUO also offers the possibility to charge two independent battery circuits.

Model	Solar panel power	Current	Voltage	Battery status indicator	Code
SR 60 UL	to 60 Wp	4 A	12 V	LED	RE 90537
SR 85 TL	90/180 Wp	5 A	12/24 V	LED	RE 90538
SR 180	180/360 Wp	10 A	12/24 V	LCD	RE 90539
SR 350	350/700 Wp	20 A	12/24 V	LCD	RE 90540

# RIGID SOLAR MODULES



## RIGID SOLAR MODULES POWER M-SERIES

Special cells with silicon technology.

Temperated glass.

Robust, weather condition resistant, with a rigid hollow-profile aluminium frame.

High efficiency and anti-reflection-layer photovoltaic cells with

Anti-reflection treatment.

Each solar module is tested and certified.

They have a flat plastic frame.

They have a flat plastic frame.

Waterproof Junction box.

Model	Daily output	Rated output	Circuit voltage	Short-circuit current	Voltage V
S515M31	515 Wh/d	115 Wp	22,63 V	6,4 A	19,22
S555M34	555 Wh/d	125 Wp	24,82 V	6,4 A	21,08
S575M35	575 Wh/d	130 Wp	25,55 V	6,4 A	21,7
S705M43	705 Wh/d	160 Wp	31,39 V	6,4 A	26,66

Current A	No. of cells	Cell dimensions	Dimensions mm (LxWxH)	Weight Kg	Code
6,04	31	125x125	1120x545x4	3,6	RE 90546
6,04	34	125x125	990x660x4	4,2	RE 90547
6,04	35	125x125	1250x545x4	4,4	RE 90548
6,04	43	125x125	1510x545x4	5,2	RE 90549



## MOUNTED SPOILER FOR RIGID MODULES

They simplify the installation of the solar modules

Material: white ABS

Model	Type	Length	Materials	Code
HS35/W	STRAIGHT	35 cm	White ABS	RE 90550
HS45/W	STRAIGHT	45 cm	White ABS	RE 90551
HS55/W	STRAIGHT	55 cm	White ABS	RE 90552
HS68/W	STRAIGHT	68 cm	White ABS	RE 90553
HSE/W	ANGULAR	-	White ABS	RE 90554





The CBE SOLAR PANELS are made of monocrystalline or polycrystalline silicon cells. The special non-reflecting treatment these cells are exposed to, stops the mirror effect of the sun-rays on the cells' surface and increases the efficiency of the modules. The tempered glass is a high performance shock resistant and weatherproof material. A white "Tedlar" sheet protects the rear of the module: it prevents any water or humidity infiltration and isolates the electrical contacts thus avoiding oxidation. The module's frame is made of anodized aluminium and the junction box installed on the rear of the module holds the by-pass diodes and the straight fitting necessary for the connection. The CBE photovoltaic modules are manufactured using highly advanced technologies and comply with the Eu-Norms. Their declared power is covered by a 25 years warranty.

Model	N° cells	Rated voltage V	Max power W	Toll. %	Open circuit voltage V	Short circuit voltage A	Voltage at max power V	Current at max power A	Dimensions mm	Weight kg	Code
MF100	36	12	100	+/-3	22,95	5,85	18,4	5,43	1200 X 540 X 30	7,8	RE 90560
MF120	32	12	120	+/-3	20,3	7,7	16,5	7,26	1313 X 663 X 35	11	RE 90561

### KIT SOLAR BOOSTER CBE



The new CBE Solar Booster Set, consisting of the special MFB90 photovoltaic module and the PBS90 booster solar charge regulator, allows to fully exploit the current the 90W photovoltaic module can supply, enabling thus to obtain the best performance occupying less space. The MFB90 photovoltaic module is made of 21 high quality cells and operates at a voltage of approximately 11V. Combined with the PBS90 solar charge regulator provided with a "booster" technology, namely equipped with a system that enables to boost the voltage and to control the current, its performance over a day can be compared to that of a 120W photovoltaic module. It is possible to connect the PT642 test panel (optional) to the new PBS90 booster solar charge regulator, in order to display the charging current and the battery voltage

Model	N° cells	Rated voltage V	Max power W	Toll. %	Open circuit voltage V	Short circuit voltage A	Voltage at max power V	Current at max power A	Dimensions mm	Weight kg	Code
kit 90 booster	21	12	90	+/-3	13,28	8,08	11,8	7,62	1209 X 553 X 35	8,4	RE 90562

### PRS 110 SOLAR CHARGE REGULATOR



Suitable for photovoltaic solar modules up to max 110W. The 2 LEDs show the current battery charging status.

Voltage Vdc	Max power W	Modules number	Automatic Shutdown	End-of charge Voltage	Float Voltage	Number of charge	Desulphatation	Reverse polarity protection	Test panel connection	Dimens. mm	Code
12	110	1	YES	14,1	13,5	1	NO	YES	NO	15x90x37	RE 90563

### PRS 300 SOLAR CHARGE REGULATOR



The new solar charge regulator PRS300 has been studied and manufactured in order to obtain the best possible performance of 12V photovoltaic modules up to 300W. It can be connected to the new test panel PT642 which is necessary in order to check the charging current of the photovoltaic modules and the battery's voltage. PRS 300 works with lead-acid, lead-gel and AGM batteries and is able to maintain the ideal charging line (to be manually selected thanks to the commutator installed inside the solar charge regulator). There is also a battery desulphatation function which is automatically enabled when the battery needs it. The four LEDs indicate: Battery charging with maximum current until the end-charge voltage is reached Charge maintenance at constant voltage - Wrong connection alarm - Solar charge regulator ON (in case of no solar light, the solar charge regulator turns automatically off).

Voltage Vdc	Max power W	Modules number	Automatic Shutdown	End-of charge Voltage	Float Voltage	Number of charge	Desulphatation	Reverse polarity protection	Test panel connection	Dimens. mm	Code
12	300	2	YES	14.1V (A) 14.3 (B) - 14.7 (C)	13.5V (A) 13.8 (B) - 13.5 (C)	3	YES	YES	PT 642	115x90x37	RE 90564



### 12V TOUCH TEST PANEL

For the control of battery voltage and current supplied by the solar panel. The kit includes a cable 1,5m long, a wall-fixing spacer and a "BMAC1C" frame. It works only with "PRS300" solar charge regulator.

Colors: G Grey RAL 7015 - M Brown RAL 8016  
Dimensions: 60x60 mm

RE 90565





Protection from  
Galvanic corrosion:

- Marine galvanic isolator
- Corrosion tester

Protection from  
atmospheric discharge:

- Lightning rods



# GALVANIC ISOLATORS

ProMariner



ProSafe 30

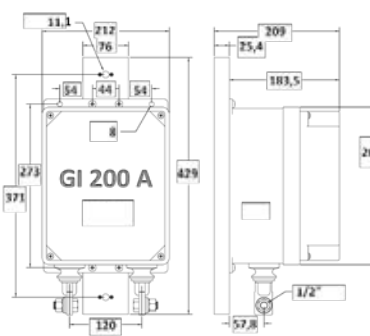
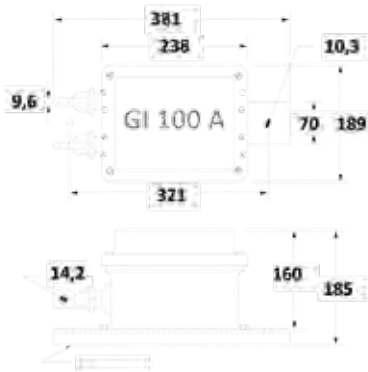
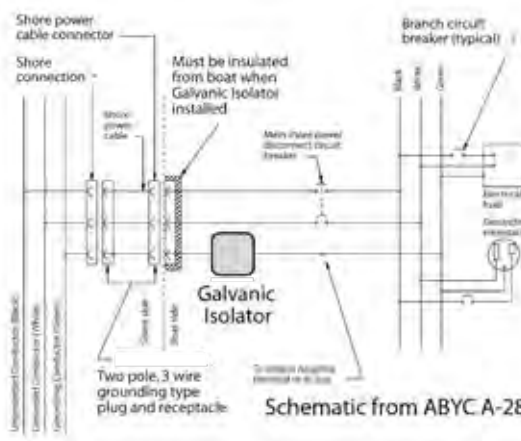


ProSafe 60

## GALVANIC ISOLATOR

The power of galvanic isolator must be higher than current of shore power connections  
 No maintenance required and easily to be tested with digital multimeter  
 They must be installed in series with the shore grounding conductors  
 They protect the vessels from galvanic corrosions  
 Rated for high levels of lightning current

Model	Voltage V ac	Frequency Hz	Current A	Max operating temp. °C	Dimensions mm	Code
ProSafe 30	120 - 240	50 - 60	30	-50	6,98x18,45x32,71	RE 70080
ProSafe 60	120 - 240	50 - 60	50 one cable 60 double cable	-50	10,16x18,45x32,38	RE 70081



Model	Max power A	AC fault rating kA	Lightning rating kA	Operating temperature °C	Degree of protections IP	Code
GI-100A FSM	100 A	5kAx198cycles	100kA peak	-45°C +65°C	NEMA 4X	RE 70082
GI-200A FSM	200 A	5kAx198cycles	100kA peak	-45°C +65°C	NEMA 4X	RE 70083

# CORROSION TESTER

## GALVANIC



### GALVANIC ISOLATOR VDI-16, VDI-32 AND VDI-64

The galvanic isolator prevents electrolytic corrosion. It blocks low voltage DC currents that enter your boat via the shore power earth wire. These currents can cause corrosion to the boat's underwater metals, like the hull, propeller, shaft and so on.

The galvanic isolator consists internally of two diodes which are connected in anti-parallel fashion. When they are connected in this way, the diodes allow current in both directions but only above a certain threshold voltage. The voltage at which diodes conduct is about 1.4 Vdc.

Model	Maximum current	Peak current (20 ms)	Connection	Material	Dimensions mm	Weight	Code
VDI-16	16 A	1600 A	M6	Anodized aluminium	60x120x200	1 kg	RE 70084
VDI-32	32 A	3200 A	M6	Anodized aluminium	63x164x200	2 kg	RE 70091
VDI-64	64 A	6000 A	M6	Anodized aluminium	63x164x335	3,2 kg	RE 70094



RE 70086

### GALVANIC CORROSIONS: PROCESS THAT DEGRADE ELECTROCHEMICALLY THE METAL

The corrosion happens when two different metals come into contacts with an electrolyte, such as salt water, creating a galvanic cell.

One cell can be created even when the same metal is affected by two different concentrations of the electrolyte.

The electrochemical potential creates an electric current (positive and negative ions) which dissolves the less noble material (typical problem of metal vessels).



RE 70085

### CORROSION TEST METER

An instrument allowing an easy control of the efficiency state of the cathodic protection system.

Supplied with:

One millivoltmeter with three graded scale

Ag/Ag Cl reference electrode

One negative contacts.

The graded scale read the state of protection and corruptions of the three metal commonly used on the hull: BRONZE, STEEL, ALUMINIUM.

Model	Corrosion state mV			Protection state mV			Overvoltage mV			Code
	Bronze	Steel	Aluminium	Bronze	Steel	Aluminium	Bronze	Steel	Aluminium	
Analog	0-500	0-750	0-950	500-700	750-950	950-1000	700-1200	950-1200	1000-1200	RE 70085
Digital	0-50	0-750	0-950	500-700	750-950	950-1000	700-1200	950-1200	1000-1200	RE 70086

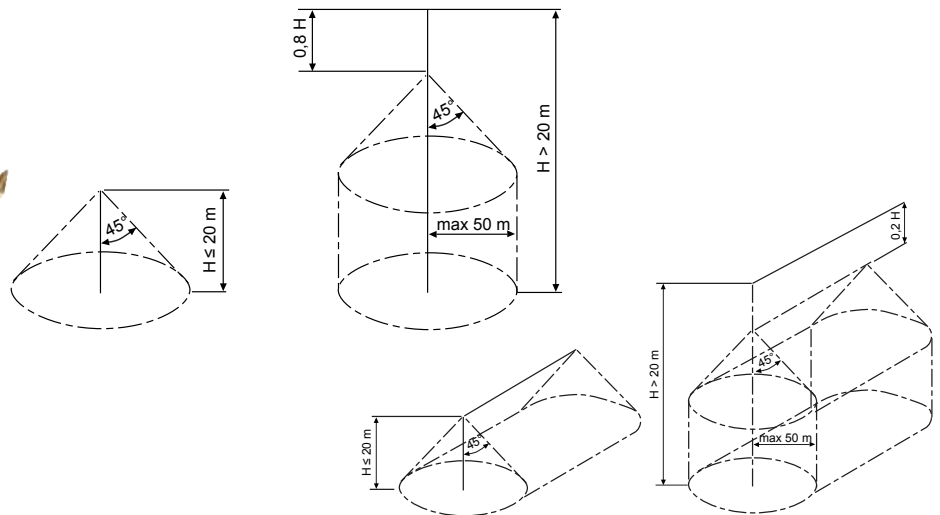
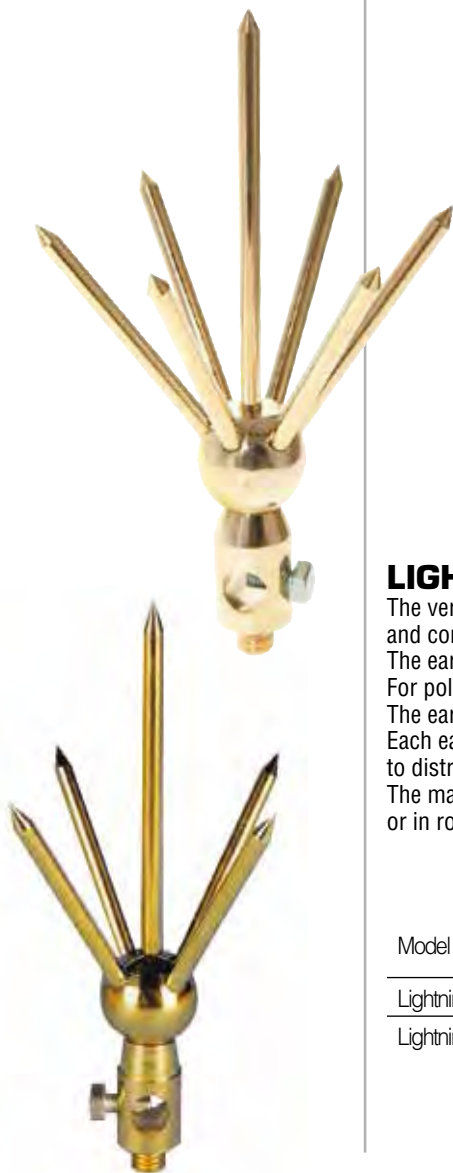
# PROTECTION AGAINST ATMOSPHERIC DISCHARGES

## GROUND PLATES

Produced by micro-spheres of pure bronze.  
Ground plates for electric installation on board.  
Provided with nuts, screws and spacers.



Description	Model	Dimensions mm	Ground area equivalent	Weight Kg	Code
Ground plated	0	155x51x13	1 m <sup>2</sup>	0,53	RE 83047
Ground plated	1	205x64x13	1,8 m <sup>2</sup>	0,8	RE 83048
Ground plated	2	300x80x13	3 m <sup>2</sup>	1,65	RE 83049
Ground plated	Round shaped	Ø 128	1,5 m <sup>2</sup>	0,60	RE 83050



## LIGHTING RODS

The vertical lightning rods – Franklin model – are fixed in their upper part in a protective structure and connected to the earth plates through conductor cables.  
The earth plates are resistant to the electro-dynamics and thermal effects caused by the lightning discharge. For pole up to 20mt - The area is protected by a cone with the vertex at 45°.  
The earth plates are made by copper or zinc-plated or cadmium-plated ropes.  
Each earth plate must be connected to one or more plates linked by a conductor to distribute the atmospheric discharges in an uniform way.  
The materials and the dimensions of the plates are in copper or in round steel copper of 1.5 mt laid down in suitable basin.

Model	Single point	Number of point	Dimensions mm	Material	Code
Lightning conductor rod	NO	5 points	-	Brass	RE 70092
Lightning conductor rod	NO	7 points	-	Brass	RE 70093

# ALTERNATORS AND STARTER MOTORS



- Alternators 12V
- Alternators 24V
- Self-ventilate alternators
- Starter motors



**ALTERNATOR AIFO/FNM**

14V - 55A  
28V - 55A

RE 91501  
RE 91503



**ALTERNATOR 14V 33A**

Engines: Arona, Isotta Fraschini, Lombardini

RE 91504



**ALTERNATOR 12V 70A**

Insulated  
Engines: Volvo Penta, Farymann, Nanni  
Valeo: A13N147M, A13N11M, A13N142M, A13N148M, A13N234, A13N285, A13N2M  
Volvo: 834609, 834610, 834625, 834965, 841378, 841762, 841763, 841765, 841766, 841770, 841989, 858838, 858839, 872018, 872235, 872926, 873633, 873779  
Motorola: 9AR2738P  
SEV: 70229002, 70229502, 70230402

RE 91510

**ALTERNATOR 28V 55A**

Insulated  
Engines: Volvo Penta, Farymann, Nanni  
Valeo: A14N118M  
Volvo: 847561, 873771, 873757, 863955, 845940, 849563, 849602, 827303, 849561, 872927

RE 91507



**ALTERNATOR 12V 100A**

Negative ground  
Ventilated  
Single V pulley  
Engines: Mercruiser, Omc, Volvo Penta  
Merc: 12449, 37615, 56045, 59755, 69729, 78477, 985550, 47456A1, 78403A1  
Mando: AC155603  
Volvo: 857298, 3854809, 3854182, 3853853, 3850927, 3856600, 3857298, 3857561, 3860171  
OMC: 3854182, 3853853, 3854809, 3853853, 3857298, 982364, 983424, 987774, 985465, 985466, 986008, 988247  
PCM: RA097006  
Delco: 19020608

RE 91509



**ALTERNATOR 14V 65A**

Engines: Lombardini

RE 91512



**ALTERNATORE 14V 65A**

Engines: KHD, VM

RE 91514

	<p><b>ALTERNATOR 12V 90A</b></p> <p>Engines: Mercruiser Mercury: 822982 Volvo: 3860665</p>	RE 91591
	<p><b>ALTERNATOR 24V 35A</b></p> <p>Engines: Caterpillar Cat: 6P1395, 6T1395 Prestolite: 110-285</p>	RE 91531
	<p><b>ALTERNATOR 12V 120A</b></p> <p>6 gorge pulley - Diameters 59,9mm Engines: Volvo Penta Volvo: 3860798</p>	RE 91578
	<p><b>ALTERNATOR 12V 120A</b></p> <p>Engines: Yanmar, Perkins Negative ground Yanmar: 129772-77200, 119573-77201, 129470-77200 Hitachi: LR155-20, LT180-03, LR180-03C Perkins: NA005129</p>	RE 91580
	<p><b>ALTERNATOR 24V 50A</b></p> <p>Engines: Yanmar Negative ground Yanmar: 129900-77240</p>	RE 91576
	<p><b>ALTERNATOR 12V 75A</b></p> <p>Engines: Lehman, Perkins Perkins: 2871A602 Valeo: 2929580 Valeo Motorola: 9AR2958P</p>	RE 91574
	<p><b>ALTERNATOR 14V 55A</b></p> <p>Engines: VM</p>	RE 91520
	<p><b>ALTERNATOR 12V 70A</b></p> <p>Single V pulley Engines: Volvo Volvo: 3862612</p>	RE 91656

**ALTERNATOR 12V 70A**

6 gorge pulley - Diameters 67 mm  
Engines: Volvo  
Volvo: 3862613, 3862665, 3884950

RE 91564

**ALTERNATOR 12V 80A**

Complete with double pulley  
Engines: Yanmar  
Yanmar: 119773-77200, 101211-527

RE 91577

**ALTERNATOR 12V 94A**

3 holes flange  
Negative ground  
Engines: Crusader

RE 91563

**ALTERNATOR 12V 78A**

Internal regulator  
Negative ground  
Engines: Acadia, Crusader, Lathrop, OMC, Owens, Starrett, Universal  
Prestolite: ALE5201, 5202, 5203, 5204, ALF5201, ANE5201, 5202  
OMC: 379761  
Universal: 275753  
Crysler: 3527501, 3527502, 4026084

RE 91535

**ALTERNATOR 12V 60A**

Single V pulley  
Negative ground  
Engines: Yanmar  
Yanmar: 129772-77200  
Hitachi: LR155-20, 20B

RE 91536

**ALTERNATOR 12V 85A**

Engines: Perkins, Lehman, Caterpillar  
Single V pulley  
Prestolite: 66021535S  
Lucas: 47020088, 24344, 54022468, 24344  
Perkins: 2871A303, 2871A301, 2871A168  
Cat: 225-3141

RE 91538





### ALTERNATOR 12V 94A

Internal regulator  
 Negative ground  
 Engines: OMC  
 Prestolite: ALK-6207, 6210, 6222, 6223, 5206  
 OMC: 381166, 381519, 383443, 384233, 981186, 981187, 985964

RE 91516



### ALTERNATOR 12V 105A

Internal regulator  
 Insulated  
 Complete with fan pulley without  
 Engines: Volvo Penta  
 L/N: 110, 567

RE 91522



### ALTERNATOR 12V 55A

Internal regulator  
 Single V pulley  
 Negative ground  
 3 holes flange  
 Engines: Crusader, Chris Craft  
 Crusader: 39049, 39200  
 Motorola: 8MR2199k, 110-656, 110-679  
 Chris Craft: 1660-0026, 1660-0027, 1660-0037  
 Westerbeke: 24684

RE 91525



### ALTERNATOR 12V 100A

Ventilated  
 Engines: Yanmar  
 Mercury: 863077T  
 Delco: 19020612  
 PCM: RA097007  
 Plesure Craft: M9020611

RE 91526



### ALTERNATOR 12V 40A

Engines: Kubota, Northern Lights  
 Kubota: 16231-24011, 16241-64010, 16241-64011, 16244-64012  
 Northern Lights: 18504-6220

RE 91539



### ALTERNATOR 12V 105A

Engines: Caterpillar  
 Cat: 6T1396, 796351  
 Prestolite: 110-567

RE 91540



### ALTERNATOR 12V 100A

Multipulley gorge  
Ventilated  
Engines: Mercruiser (from '99 up)  
Mer: 862031T  
Delco: 19020601, 19020609

RE 91529



### ALTERNATOR 12V 55A

Engines: Pleasure craft, Universal  
Universal: 288182, 268759  
Pleasure craft: L RA097006

RE 91527



### ALTERNATOR 12V 100A

Negative ground  
Multipulley gorge 66mm  
Engines: Mercruiser, Crusader  
Volvo: 3857813  
Delco: 19020606  
Mercruiser: 807653T, 807652T

RE 91528



### HIGH POWER ALTERNATOR

Negative ground  
Fixing Dual flange  
Pulley not included

Alternator Leece Neville 12V 130A  
Alternator Leece Neville 12V 160A  
Alternator Leece Neville 24V 90A

RE 91530  
RE 91579  
RE 91532



### ALTERNATOR FOR DELCO REMY

24V 100 A  
24V 60 A

RE 91533  
RE 91537



### ALTERNATOR 24V 175A

Prestolite: 110-258  
Volvo Penta: 849748

RE 91534



**STARTER 12V**

Pinion 11 teeth - Clockwise rotation  
 Reducer  
 Engines: Mercruiser, OMC, Volvo Penta, Marine Power, Delco  
 Merc: 50-863007A1, 50-864340A2, 50-806964A2, A3  
 50-807904A1, 50-812604A2, 50-812428A3, 50-822330A2  
 OMC: 3854751, 3855177, 3856004  
 Marine Power: 0174-000  
 Volvo: 3854751, 3856004, 3587625, 3860565, 3885317  
 Delco: 9000840, 9000884

RE 91589



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Reducer  
 Engines: Mercruiser, OMC, Volvo Penta, Marine Power, Delco  
 Marine Power: 0172-000  
 Merc: 50-806963A2, 50-806963A4, 50-806954A2, 50-812429A2  
 Volvo: 3854750, 3856003  
 OMC: 988217, 3954750, 3850526, 3855882, 3858463, 3856003  
 Delco: 9000763, 9000820, 9000822

RE 91596



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Engines: Mercruiser, OMC, Crusader, Delco  
 Merc: 50-47454, 65785A1, 79604A1, A3, 50-97499A2, R2, R4  
 Crusader: 42090  
 Delco: 19010617  
 OMC: 980821, 981289, 982202

RE 91629

**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Engines: Mercruiser, OMC, Crusader, Delco  
 Merc: 50-17251A3, 47455, 50-808011A1, 65784A1  
 76965A1, 76965A2, 76965A4, 50-808011A4  
 OMC: 980820, 981288, 982195, 984982, 986007  
 Crusader: 42091, 42150  
 Marine Power: 0171-000  
 Delco: 9000888, 19010615

RE 91630



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Engines: Mercruiser, OMC, Yamaha, Volvo Penta  
 Merc: 50-32703, 50-45120, 50-46277, 50-46282, 50-59799, 50-69863A1, 50-69864A1  
 50-77328A1, 50-79821A2, 50-79822A2, 50-79823A1, 50-99417A2  
 OMC: 381781, 384118, 384198, 981074, 981076, 981078, 982107, 982121, 982200  
 983248, 983444, 983790, 985966

RE 91631



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Engines: Mercruiser, OMC, Volvo Penta  
 Merc: 50-12121A2, 50-12177A2, 50-806964A3, A4, 50-812428A3, 50-812604A2, 50-99418A2  
 OMC: 984456, 986505, 3850525, 3853982, 3855177

RE 91638



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Universal: 299574  
 Kubota: 15461-63012, 63013, 63015

RE 91647



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 Reducer  
 Engines: Volvo Penta  
 Hitachi: S114-237  
 Valeo: D6RA11, D6RA40  
 Volvo: 859533-0, 840808-0, 834976, 834339-4  
 872888-3, 873549-0, 872241-5

RE 91557



**STARTER 12V**

Fixing holes 2  
 Pinion 11 teeth Clockwise rotation  
 Rplc: Yanmar 129698-77010,121370-77010

RE 91593



**STARTER 12V**

Pinion 15 teeth - Clockwise rotation  
 Engines: Yanmar 2T80L, 3T84C, 4JH, 4T95, 90L, 90Y, 94, 94L, N78, N84, R17  
 Kohler: 8CC063

RE 91594



**STARTER 12V**

Pinion 11 teeth - Clockwise rotation  
 Reducer  
 Engines: Volvo Penta  
 Volvo: 859252, 829527, 3581774  
 Valeo: D9R116/144

RE 91597



**STARTER 12V**

Pinion 9 teeth - Reducer  
 Engines: Mercruiser, OMC, Pleasure craft  
 Waukesha: RA122001  
 Merc: 50-69865A1, 12872, 56886  
 OMC: 980803, 981821, 987969, 988012, 987811  
 Volvo: 3854190, 835635-4, 841066-4







RE 91625



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation  
 PCM: RA122002

RE 91627

	<p><b>STARTER</b> Pinion 10 teeth - Clockwise rotation Reducer</p> <p>12V Version Mitsubishi     M2T58531</p> <p>24V Version Engines:        Onan 191-1550</p>	<p>RE 91640</p> <p>RE 91641</p>
	<p><b>STARTER 12V</b> Pinion 10 teeth - Clockwise rotation Reducer</p> <p>Onan:            191-0324 Prestolite:     ME06003</p>	<p>RE 91642</p>
	<p><b>STARTER 12V</b> Pinion 9 teeth - Clockwise rotation Yanmar        128170-77010</p>	<p>RE 91643</p>
	<p><b>STARTER</b> Pinion 8 teeth - Clockwise rotation</p> <p>12V Version Yanmar:        114362-77011</p> <p>24V Version Yanmar:        114362-77019, 114362-77990</p>	<p>RE 91644</p> <p>RE 91657</p>
	<p><b>STARTER 12V</b> Pinion 12 teeth - Clockwise rotation Engines:        Ford, Mercruiser, OMC OMC:            984536, 988013</p>	<p>RE 91658</p>
	<p><b>STARTER 12V</b> Merc:            50-855507, 50-801333980 Bosch:          0001 362 303, 0001 362 304</p>	<p>RE 91659</p>



**STARTER**

Pinion 9 teeth - Clockwise rotation

12V Version

Volvo: 847306, 881681

Bosch: 0001 413 004, 0001 418 009

24V Version

Volvo: 847307

Bosch: 0001 416 025

RE 91660

RE 91661



**STARTER 24V**

Pinion 11 teeth- Clockwise rotation

Volvo: 847308

Bosch: 0001 417 023

RE 91662



**STARTER 12V**

Pinion 8 teeth - Clockwise rotation

Yanmar: 104211-77011

RE 91663



**STARTER 12V**

Pinion 15 teeth - Clockwise rotation

Yanmar: 171008-77010

Hitachi: S114-257G, S114-483, S114-483A, S13-294, S13-94, S13-94A

RE 91664



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation

Yanmar: 119865-77012

RE 91665



**STARTER 12V**

Pinion 9 teeth - Clockwise rotation

Kubota: 37560-63011, 37560-63012

Universal: 200546, 302886

RE 91666

**STARTER 12V**

Pinion 11 teeth  
 Clockwise rotation  
 Engines: Mercruiser Diesel  
 Merc: 50-805833T, 50-805991  
 Bosch: 0001 367 061

RE 91667

**STARTER 12V**

Pinion 11 teeth  
 Clockwise rotation  
 Engines: Mercruiser Diesel  
 Merc: 50-854178  
 Bosch: 0001 367 008

RE 91668

**STARTER 12V**

Pinion 10 teeth  
 Clockwise rotation  
 Engines: Perkins  
 Perkins: 2873A102, 2873121, 2873125, 2873141  
 Lucas: 26282, 27417, 26148, 27486

RE 91669

**STARTER 12V**

Pinion 10 teeth  
 Clockwise rotation  
 Engines: Volvo  
 Volvo: 859

RE 91670

**STARTER 12V**

Pinion 10 teeth  
 Clockwise rotation  
 Engines: Perkins, Volvo  
 Lucas: 26352, 26352A, 26316, 26227, 26330

RE 91671



# REBAMARINE

NAUTICAL EQUIPMENT

Via Antonio Cantore, 34/0  
16149 Genoa - Italy  
Tel. +39 010 6465065 - Fax +39 010 8561908







- Electric cable
- Tinned copper cable
- Yellow cable
- Multipolar cable
- Protection sheath
- Corrugated tube
- Heat shrinkable tube
- Heat shrink box
- Manifolds
- Insulated terminals
- Heat shrink terminals
- Seal connectors
- Cable ties and supports
- Cable glands
- Terminal blocks
- Powerbar connectors
- Busbar connectors



aber  
marine



BLUE SEA  
SYSTEMS



Quick

**REBAMARINE**

NAUTICAL EQUIPMENT



Reduce fire propagation - low corrosive gas emission.  
Nominal voltage: 450/750V. Max temperature of the core +70°C.  
Max temperature of the core in case of short-circuit: +160°C.

Flexible conductors of not tinned annealed copper. Insulation: polyvinyl chloride. BT 73/23 CEE and 93/68 CEE conformity.

## SINGLE CORE FLEXIBLE CABLES N07V-K

Core N°	Size cable mm <sup>2</sup>	Color insulator	Outside diameter mm	Weight Kg/100mt	Insulation thickness mm	Resistance at 20°C Ohm/Km	Lead at 30°C A	Length mt	Code
1x	1,5	Black	3,1	2,1	0,7	13,3	15	100	RE 60315
1x	1,5	Red	3,1	2,1	0,7	13,3	15	100	RE 60316
1x	1,5	White	3,1	2,1	0,7	13,3	15	100	RE 60317
1x	1,5	Blue	3,1	2,1	0,7	13,3	15	100	RE 60319
1x	1,5	Orange	3,1	2,1	0,7	13,3	15	100	RE 60320
1x	1,5	Violet	3,1	2,1	0,7	13,3	15	100	RE 60321
1x	1,5	Brown	3,1	2,1	0,7	13,3	15	100	RE 60322
1x	1,5	Grey	3,1	2,1	0,7	13,3	15	100	RE 60323
1x	1,5	Yellow/green	3,1	2,1	0,7	13,3	15	100	RE 60363
1x	2,5	Black	3,75	3,3	0,8	7,98	21	100	RE 60406
1x	2,5	Blue	3,75	3,3	0,8	7,98	21	100	RE 60407
1x	2,5	Red	3,75	3,3	0,8	7,98	21	100	RE 60409
1x	2,5	Orange	3,75	3,3	0,8	7,98	21	100	RE 60410
1x	2,5	White	3,75	3,3	0,8	7,98	21	100	RE 60411
1x	2,5	Grey	3,75	3,3	0,8	7,98	21	100	RE 60413
1x	2,5	Yellow/green	3,75	3,3	0,8	7,98	21	100	RE 60474
1x	4	Red	4,4	4,8	0,8	4,95	28	100	RE 60520
1x	4	Black	4,4	4,8	0,8	4,95	28	100	RE 60521
1x	4	Blue	4,4	4,8	0,8	4,95	28	100	RE 60522
1x	4	Grey	4,4	4,8	0,8	4,95	28	100	RE 60523
1x	6	Red	4,9	4,9	0,8	3,3	36	100	RE 60545
1x	6	Black	4,9	4,9	0,8	3,3	36	100	RE 60546
1x	6	Blue	4,9	4,9	0,8	3,3	36	100	RE 60547
1x	6	Grey	4,9	4,9	0,8	3,3	36	100	RE 60548



## SINGLE CORE CABLES FOR BATTERIES N07V-K

Low Voltage Directive 73/23 e 93/68 EEC CEI 20/22 II/20-35/20-52/20-37/2.

Core N°	Size cable mm <sup>2</sup>	Color insulator	Outside diameter mm	Weight Kg/100mt	Insulation thickness mm	Resistance at 20°C Ohm/Km	Lead at 30°C A	Length mt	Code
1x	16	Black	7,2	16,7	1	1,21	68	25	RE 60594/N
1x	16	Red	7,2	16,7	1	1,21	68	25	RE 60594/R
1x	25	Black	8,8	25,4	1,2	0,78	89	25	RE 60595/N
1x	25	Red	8,8	25,4	1,2	0,78	89	25	RE 60595/R
1x	35	Black	10	34	1,2	0,55	110	25	RE 60596/N
1x	35	Red	10	34	1,2	0,55	110	25	RE 60596/R
1x	50	Black	12,2	48,5	1,4	0,38	154	25	RE 60597/N
1x	50	Red	12,2	48,5	1,4	0,38	154	25	RE 60597/R
1x	70	Black	14	67,4	1,4	0,27	171	25	RE 60598/N
1x	95	Black	15,8	89,4	1,6	0,2	207	25	RE 60599



## FLEXIBLE CABLE FOR BATTERY HO7V-K

Nominal voltage: 100V.  
Plain annealed flexible copper.  
Neoprene sheath (saline proof).

Core N°	Size cable mm <sup>2</sup>	Color insulator	Outside diameter mm	Weight Kg/100mt	Insulation thickness mm	Resistance at 20°C Ohm/Km	Lead at 30°C A	Length mt	Code
1 x	16	Black	7,4	16,7	1	1,21	50	25	RE 60556
1 x	16	Red	7,4	16,7	1	1,21	50	25	RE 60557
1 x	25	Black	9,1	25,4	1,2	0,78	68	25	RE 60558
1 x	25	Red	9,1	25,4	1,2	0,78	68	25	RE 60559
1 x	35	Black	10,35	34	1,2	0,55	89	25	RE 60560
1 x	35	Red	10,35	34	1,2	0,55	89	25	RE 60561
1 x	50	Black	12,4	48,5	1,4	0,38	110	25	RE 60562
1 x	50	Red	12,4	48,5	1,4	0,38	110	25	RE 60563
1 x	70	Black	13,6	67,2	1,4	0,27	154	25	RE 60585
1 x	70	Red	13,6	67,2	1,4	0,27	154	25	RE 60586



## RED/BLACK TWIN CABLE FOR SPEAKER SYSTEM

PVC insulation

Number of conductors	Size cable mm <sup>2</sup>	Color insulator	Operating voltage Kv	Weight Kg/100mt	Resistance at 20°C Ohm/Km	Length mt	Code
2	0,75	Red/Black	0,6/1	3	200	100	RE 60630
2	1,5	Red/Black	0,6/1	5	200	100	RE 60631
2	2,25	Red/Black	0,6/1	6	200	100	RE 60632

## RED/BLACK TWIN CABLE

PVC insulation

Number of conductors	Size cable mm <sup>2</sup>	Color insulator	Operating voltage Kv	Weight Kg/100mt	Resistance at 20°C Ohm/Km	Length mt	Code
2	4	Red/Black	0,6/1	10	200	50	RE 60633
2	6	Red/Black	0,6/1	12	200	50	RE 60634
2	10	Red/Black	0,6/1	20	200	50	RE 60635



## YELLOW MULTIPOLAR

High resistance to UV rays (Test SEPAP 100 hours at 60).  
 Fireproof NF C 32 – 070 – C2 IEC 332 – 13.  
 Radiation resistant: 80Mrad (8100 cJ/kg).  
 Ozone resistant: VDE 0472 805.  
 Extra-flexible cable for permanent immersion.  
 Current rating: 0.6/1Kv – 50/60Hz.  
 Three thin brass coats for maximum flexibility.  
 External yellow sheath in a special compound.  
 N.B.: this yellow multipolar cable is sold in meters.

Wires n°	Cable section mm <sup>2</sup>	Nominal composition	External diameter mm	Skein weight kg/100mt	Operating temperature C°	Resistance 20°C Ohm/Km	Lead at 30°C A	Code
3X	1,5	28x0,24	10	11	-40 +70	13,3	14	RE 60549
3X	2,5	47x0,24	11,8	17	-40 +70	7,9	20	RE 60550
3X	4	56x0,29	13,4	24	-40 +70	4,9	27	RE 60551
3X	6	80x0,29	15	34	-40 +70	3,3	34	RE 60552
3X	10	84x0,38	16	46	-40 +70	1,9	47	RE 60553
3X	16	132x0,38	19	67	-40 +70	1,2	63	RE 60554
4X	16	132x0,38	22	100	-40 +70	1,2	63	RE 60555
4X	25	175x0,40	29,5	200	-40 +70	-	100	RE 60573
4X	35	-	28,6	163	-30 +80	-	-	RE 60579

## FROR MULTIPOLAR CABLE

Power input 450/750V.  
 PVC insulation.  
 Class V conductor of re - burnt copper.  
 MAX operating temperature 70°C.  
 MAX short-circuit temperature 120°C.  
 Sheath in PVC, TM2 quality.



Wires n°	Cable section mm <sup>2</sup>	Color	External diameter mm	Skein weight Kg/100mt	Insulated width mm	Resistance 20°C Ohm/Km	Lead at 30°C A	Skein length mt	Code
2X	1,5	Brown	8,2	9,9	0,7	13,3	16	100	RE 60564
2X	2,5	Brown	9,9	14,9	0,8	7,98	22	100	RE 60565
2X	4	Brown	11,7	22	0,8	4,95	30	100	RE 60566
2X	6	Brown	13,3	29	0,9	3,3	38	100	RE 60567
3G	1,5	Brown	8,65	11,9	0,7	13,3	16	100	RE 60568
3G	2,5	Brown	10,5	18	0,8	7,98	22	100	RE 60569
3G	4	Brown	12,6	27,1	0,8	4,95	30	100	RE 60570
3G	6	Brown	14,3	36	0,9	3,3	38	100	RE 60571
4G	1,5	Brown	9,65	14,9	0,7	13,3	15	100	RE 60574
4G	2,5	Brown	11,4	21,8	0,8	7,98	20	100	RE 60575
4G	4	Brown	13,7	32,8	0,8	4,95	27	100	RE 60576
4G	6	Brown	15,6	43,9	0,9	3,3	34	100	RE 60577
5G	1	Brown	10,7	18	0,7	19,5	12	100	RE 60582
5G	1,5	Brown	11,5	21,9	0,7	13,8	15	100	RE 60583
5G	2,5	Brown	13,4	30,9	0,8	7,98	20	100	RE 60584

## CALBED TINNED GROUND PLAIT



Section	Length	Terminal	Code
16 mm <sup>2</sup>	200 mm	8 mm	RE 75032
16 mm <sup>2</sup>	300 mm	8 mm	RE 75033
16 mm <sup>2</sup>	400 mm	8 mm	RE 75034
25 mm <sup>2</sup>	400 mm	10 mm	RE 75035
25 mm <sup>2</sup>	500 mm	10 mm	RE 75036
35 mm <sup>2</sup>	400 mm	10 mm	RE 75037
35 mm <sup>2</sup>	500 mm	10 mm	RE 75038
50 mm <sup>2</sup>	400 mm	10 mm	RE 75039
50 mm <sup>2</sup>	500 mm	10 mm	RE 75040

## TINNED GROUND PLAIT

For long-lasting and efficient ground connections.



Section mm <sup>2</sup>	Length plait mm	Width plait mm	Power input A	Weight Kg/100 mt	Length mt	Code
25	23	1,5	150	25	25	RE 75061
35	23	2,5	200	35	25	RE 75062
50	23	4	250	45	10	RE 75063

## CORRUGATED SHEATH IN POLYTHYLENE

It surrounds the cables in flexible and compact bunches

It allows the entry or exit of one or more cables in any place - Operating temperature -30°C + 80°C.



Color	Nominal section	MIN sect.	MAX sect.	Length	Code
White	3	1,5	7	50	RE 49467
White	5	3,5	15	25	RE 49468
White	6	4,4	20	25	RE 49469
White	10	8,5	40	25	RE 49470

## WOVEN POLYESTER SHEATH

For protecting and assembling the cables – it can be easily fitted on cable bunches

Hot pressed sheath - Operating temperature -40°C +200°C.



Color	Nominal section mm	MIN sect. mm	MAX sect. mm	Length mt	Code
Grey	12	8	17	50	RE 60725
Grey	20	14	26	25	RE 60726
Grey	30	20	40	25	RE 60727

## PROTECTION SHEATH FOR CABLES

In vinyl polychloride - For protecting and insulating electrical cables.



Internal section mm	Width mm	Skeinlength mt	Code
4	0,5	100	RE 60710
6	0,5	100	RE 60711
8	0,5	100	RE 60712
10	0,5	100	RE 60713
18	1	25	RE 60714

# HEAT SHRINKABLE SHEATH


## HEAT SHRINKABLE SELF EXTINGUISHING SHEATH

In high grade polymer, thick wall. Flexible.

Operating temperature: -55°C + 135°C

Shrinkage temperature: 110°C

Shrinkage function: 2:1



Color	Diameter before shrinkage D/mm	Diameter after shrinkage d/mm	Width after shrinkage s/mm	Coil Length mt	Code
Black or Red	2,4	1,2	0,5	1	RE 60701
Black or Red	3,2	1,6	0,5	1	RE 60702
Black or Red	4,8	2,4	0,5	1	RE 60703
Black or Red	9,5	4,8	0,6	1	RE 60704
Black or Red	12,7	6,4	0,6	1	RE 60705
Black or Red	19	9,5	0,8	1	RE 60706
Black or Red	25,4	12,7	0,9	1	RE 60707
Black or Red	38	19	1	1	RE 60708

## HEAT SHRINKABLE SHEATH, MEDIUM WIDTH


In high grade polymer, medium wall

Shock and scratch resistant

Operating temperature: -55°C + 110°C

Shrinkage temperature: 120°C

Shrinkage function: 3:1



Color	Diameter before shrinkage D/mm	Diameter after shrinkage d/mm	Width after shrinkage s/mm	Length mt	Code
Black	10,2	3,8	2	1	RE 40017
Black	19,1	5,6	2	1	RE 40018
Black	24	6	2	1	RE 40019
Black	33	10,2	2	1	RE 40020
Black	52,1	19,1	2	1	RE 40021
Black	43,2	12,7	2	1	RE 40022

## HEAT SHRINKABLE SHEATH WITH INTERNAL STICKER

In high grade polymer with internal stickers. Flexible.

The stickers ties to plastic, rubber, neoprenic, steel and polyethylene

Operating temperature: -55°C + 125°C

Shrinkage temperature: 110°C

Shrinkage function: 3:1.



Color	Diameter before shrinkage D/mm	Diameter after shrinkage d/mm	Width before shrinkage s/mm	Width after shrinkage s/mm	Length mt	Code
Black	3	1	1	0,4	1	RE 40030
Black	6	2	1,1	0,5	1	RE 40031
Black	9	3	1,3	0,5	1	RE 40032
Black	12	4	1,5	0,6	1	RE 40033
Black	18	6	2	0,6	1	RE 40034

# SELF SEALING CONNECTIONS

## HEAT SHRINKABLE SHEATH IN DISPENSER

In high grade polymer, thick wall. Flexible.  
Operating temperature: -55°C + 135°C  
Shrinkage function: 2:1



Color	Diameter before shrinkage D/mm	Diameter after shrinkage d/mm	Width after shrinkage s/mm	Coil Length mt	Code
Black	3,2	1,6	0,5	20	RE 60720
Black	4,8	2,4	0,5	10	RE 60721
Black	9,5	4,8	0,6	10	RE 60722
Black	12,7	6,4	0,6	10	RE 60723
Black	19	9,5	0,8	2	RE 60724



## THERMOBLOWER

Universal device for tearing away laquer and varnish, for flexing and shaping  
This thermoblower has a gun-shaped with closed butt  
Easy to use and personalized programmes  
Ten different positions to adjust the air and the temperature

Working temperature °C	Airflow L/min	Absorption nominal power	Weight Kg	Dimensions LxH mm	Code
50 - 660	250 - 500	2300 W	0,97	255 x 255	RE 60730

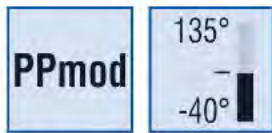
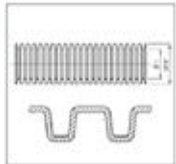


## HEAT SHRINKABLE TERMINALS

They sealed and protected the multi-conductor cable and cable terminals. Radiated polyolefin.  
Cable caps for cables at 4 and 6 poles. Traction resistant and mechanical protection. Solvent and liquid resistant  
Exercising temperature - 55° C + 100° C  
Shrinking temperature 135° C. Not self extinguishing. Black colored

Terminals n°	terminal diameter before shrinking mm	Output diameter before shrinking mm	Terminal diameter after shrinking mm	Output diameter after shrinking mm	Code
2	50,0	21,0	22,9	7,5	RE 60732
3	38,0	11,0	14,0	4,0	RE 60733
3	60,0	24,0	22,0	8,0	RE 60734
3	80,0	36,0	33,0	16,0	RE 60735
3	100,0	48,0	47,0	20,0	RE 60736
4	38,0	11,0	14,0	4,0	RE 60737
4	55,0	20,0	22,0	8,5	RE 60738
4	72,0	25,0	22,0	8,5	RE 60739
4	100,0	35,0	33,0	14,0	RE 60740

# CORRUGATED TUBE AND ACCESSORIES



## PPMOD CORRUGATED TUBE

Self-extinguishing – high temperature resistance – high cold impact strength – high resilience

Good chemical resistance – Resistant to acids and alkalis solution

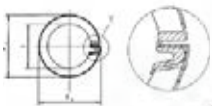
Resistant to fuel, minerals, fats, alcohol, solvent up to 60° C

Range of temperature: -40°C + 120° C

Heat ageing at 150°C > 500h

Color	Nominal diameter mm	Internal diameter mm	External diameter mm	Length mt	Code
Black	NW10	10,1	12,4	50	RE 50001
Black	NW13	12,9	15,8	50	RE 50002
Black	NW17	16,8	21	50	RE 50003
Black	NW22	21,8	25,5	50	RE 50004
Black	NW26	26,4	31,3	25	RE 50061
Black	NW29	29,3	33,9	25	RE 50062
Black	NW37	36,7	42	25	RE 50063
Black	NW50	47,8	53,6	25	RE 50064

## CLOSED

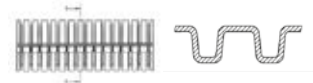


## OPEN



## LOCKABLE CORRUGATED TUBE

Cable can be subsequently installed



Model	Nominal diameter mm	Internal diameter mm	External diameter mm	Length mt	Code
Open	NW11	11,2	15,7	50	RE 50012
Open	NW15	14,9	21,3	50	RE 50013
Open	NW19	19	25,6	50	RE 50014
Open	NW26	24,6	31,5	25	RE 50015

## DISTRIBUTOR SOCKET

Material: black reinforced polyamide

Included: cover, seal and two latches

Can be fixed with terminal-screw



Output n°	Output cable section mmq	Length mm	Width mm	Height mm	Code
5	10	16	10,5	8	RE 50010

## TERMINAL BOX

Material: polycarbonate – Degree of protection IP 66

Connection of pipes: 3 x NW 10; 2 x NW 13 complete with cupnut, clamp sealing ring and blind plug

Possibility to fix two outputs 1 x NW 17 and 1 x NW22.



Output n°	Length mm	Width mm	Height mm	Code
7	17	13,5	8,5	RE 50011





### SLEEVES

 Rubber sleeves with neoprene traction

Output cable n°	Input Corrugate tube mm	Diameter A mm	Diameter D mm	Height H mm	Code
4-9	NW 13	10,5	22	33	RE 50005
6-14	NW 17	16	27	33	RE 50006
7-17	NW 22	18	29	47	RE 50007

### END CAP TERMINALS

 Materiale: PVC

Output n°	Output cable section	Input Corrugate tube mm	Internal diameter	Height mm	Code
5	1,5 mmq	NW 10	mm 13	mm 21	RE 50008
6	2,5 mmq	NW 13	mm 15	mm 24	RE 50009



### CABLE GLAND

 Material: Polyamide

Corrugated tube type	Hole mm	Length mm	Max diameter mm	Code
NW 10	15	36	24	RE 50019
NW 13	18	35	27	RE 50020
NW 17	22	40	32	RE 50021
NW 22	28	47	42	RE 50022



### T- MANIFOLDS

 Material: Polyamide

For corrugated tube: output 1	output 2	output 3	Picture	Length mm	Width mm	Code
NW 10	NW 10	NW 10	A	39,2	26,7	RE 50023
NW 13	NW 10	NW 10	A	38,9	29,1	RE 50024
NW 13	NW 10	NW 13	B	43,6	31,6	RE 50025
NW 13	NW 13	NW 10	B	45,3	31,6	RE 50026
NW 17	NW 10	NW 13	B	43,6	36,9	RE 50028
NW 17	NW 10	NW 17	A	40,5	35,8	RE 50029
NW 17	NW 13	NW 13	A	43,2	34,6	RE 50030
NW 17	NW 22	NW 17	B	59,9	39,3	RE 50031
NW 22	NW 10	NW 22	B	42,5	41,5	RE 50032
NW 22	NW 13	NW 17	B	46,7	41,4	RE 50033
NW 22	NW 13	NW 22	B	46,4	41,4	RE 50034
NW 22	NW 17	NW 13	B	51,3	41,9	RE 50035
NW 22	NW 22	NW 13	B	58,5	43,8	RE 50036
NW 22	NW 22	NW 17	C	60,6	43,8	RE 50037
NW 22	NW 22	NW 22	B	56,2	42,4	RE 50038



### Y- MANIFOLDS

 Material: Polyamide

For corrugated tube: output 1	output 2	output 3	Picture	Length mm	Width mm	Code
NW 13	NW 10	NW 10	B	59,9	45,4	RE 50040
NW 13	NW 13	NW 13	B	59,9	46,6	RE 50042
NW 17	NW 13	NW 10	B	59,9	46,9	RE 50043
NW 17	NW 13	NW 17	A	78,8	58,4	RE 50044
NW 17	NW 17	NW 10	B	59,9	48,8	RE 50045
NW 22	NW 10	NW 17	A	68,8	57,1	RE 50046
NW 22	NW 13	NW 22	B	63,5	56,4	RE 50048
NW 22	NW 22	NW 22	B	76,7	64,7	RE 50050

# INSULATED TERMINALS



## INSULATED RING TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
3,2	Red	0,25 - 1	18	Cu	Sn	100	RE 49323
5,3	Red	0,25 - 1	21,5	Cu	Sn	100	RE 49326
6,4	Red	0,25 - 1	27,4	Cu	Sn	100	RE 49327
8,4	Red	0,25 - 1	27,4	Cu	Sn	100	RE 49328
5,3	Blue	1 - 2,5	23	Cu	Sn	100	RE 49350
6,4	Blue	1 - 2,5	28	Cu	Sn	100	RE 49351
8,4	Blue	1 - 2,5	28	Cu	Sn	100	RE 49352
4,3	Yellow	2,5 - 6	23,5	Cu	Sn	100	RE 49354
5,3	Yellow	2,5 - 6	27	Cu	Sn	50	RE 49355
6,4	Yellow	2,5 - 6	30,5	Cu	Sn	50	RE 49356
8,4	Yellow	2,5 - 6	35,2	Cu	Sn	50	RE 49357
10,5	Yellow	2,5 - 6	35,2	Cu	Sn	50	RE 49358



## INSULATED FORK TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
4,3	Red	0,25 - 1	21,5	Cu	Sn	100	RE 49361
5,3	Red	0,25 - 1	22,2	Cu	Sn	100	RE 49362
4,3	Blue	1 - 2,5	22,2	Cu	Sn	100	RE 49366
6,4	Blue	1 - 2,5	28,4	Cu	Sn	100	RE 49368
4,3	Yellow	2,5 - 6	27	Cu	Sn	50	RE 49370
5,3	Yellow	2,5 - 6	26,7	Cu	Sn	50	RE 49371
6,4	Yellow	2,5 - 6	32,7	Cu	Sn	50	RE 49372



## INSULATED PUSH ON TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,3	Red	0,25 - 1	21	CuZn	Sn	100	RE 49374
6,3	Blue	1 - 2,5	21	CuZn	Sn	100	RE 49375
6,3	Yellow	2,5 - 6	22,5	CuZn	Sn	50	RE 49376



## INSULATED PUSH ON TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,3	Red	0,25 - 1	23,5	CuZn	Sn	100	RE 49377
6,3	Blue	1 - 2,5	23,5	CuZn	Sn	100	RE 49378
6,3	Yellow	2,5 - 6	24	CuZn	Sn	50	RE 49379



## INSULATED PUSH ON TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,3	Red	0,25 - 1	21	CuZn	Sn	100	RE 49384
6,3	Blue	1 - 2,5	21	CuZn	Sn	100	RE 49385
6,3	Yellow	2,5 - 6	22,5	CuZn	Sn	50	RE 49386

# INSULATED TERMINALS



## INSULATED SELF STRIPPING TERMINALS

N° ways	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
2	Red	0,25 - 1	19,5	CuZn	Sn	100	RE 49387
2	Blue	1 - 2,5	19,5	CuZn	Sn	100	RE 49388
2	Yellow	2,5 - 6	21	CuZn	Sn	50	RE 49389



## INSULATED PIGGY BACK TERMINALS

N° ways	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
2	Red	0,25 - 1	20,8	CuZn	Sn	50	RE 49390
2	Blue	1 - 2,5	20,8	CuZn	Sn	50	RE 49391



## INSULATED BULLET TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
4	Red	0,25 - 1	20,5	CuZn	Sn	100	RE 49380
4	Blue	1 - 2,5	20,5	CuZn	Sn	100	RE 49381
5	Yellow	2,5 - 6	24,5	CuZn	Sn	100	RE 49382



## INSULATED BULLET TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,3	Red	0,25 - 1	24,5	CuZn	Sn	100	RE 49393
6,3	Blue	1 - 2,5	25	CuZn	Sn	100	RE 49394
6,3	Yellow	2,5 - 6	25,5	CuZn	Sn	50	RE 49395



## INSULATED PIN TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
1,9	Red	0,25 - 1	22,5	CuZn	Sn	100	RE 49396
1,9	Blue	1 - 2,5	23	CuZn	Sn	100	RE 49397
2,7	Yellow	2,5 - 6	28	CuZn	Sn	100	RE 49398



## INSULATED BUTT TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
1,7	Red	0,25 - 1	26	CuZn	Sn	100	RE 49399
2,3	Blue	1 - 2,5	26	CuZn	Sn	100	RE 49300
3,4	Yellow	2,5 - 6	27	CuZn	Sn	50	RE 49401



## INSULATED BUTT TERMINALS

Max temperature	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
105° C	Red	1	8	Cu	Sn	500	RE 49343
105° C	Black	1,5	8	Cu	Sn	500	RE 49344
105° C	Grey	2,5	8	Cu	Sn	500	RE 49345
105° C	Yellow	4	10	Cu	Sn	500	RE 49346
105° C	Green	6	10	Cu	Sn	100	RE 49347
105° C	Brown	10	12	Cu	Sn	100	RE 49348

# HEAT SHRINK TERMINALS

Shrinking temperature 120°C – Operating temperature -45°C + 105°C – Max voltage: 600Vac  
Insulation: high quality polyethylene (heat-shrinkable), adhesive polyamide (fusion caused by heat)

**INSERT THE CABLE  
INTO THE TERMINAL**



**CRIMP  
THE TERMINAL**



**TIGHTEN  
WITH HEAT**



## SHRINK TERMINALS WITH EYELET

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
4,3	Blue	0,75 - 1,25	28	Cu	Sn	100	RE 49412
5,3	Blue	1,25 - 2,5	29	Cu	Sn	100	RE 49413
6,4	Blue	1,25 - 2,5	33	Cu	Sn	100	RE 49414
8,4	Blue	1,25 - 2,5	34	Cu	Sn	100	RE 49415
10,5	Blue	1,25 - 2,5	37	Cu	Sn	100	RE 49416
5,3	Yellow	2,5 - 6	34	Cu	Sn	50	RE 49418
6,4	Yellow	2,5 - 6	37	Cu	Sn	50	RE 49419
8,4	Yellow	2,5 - 6	43	Cu	Sn	50	RE 49420
10,5	Yellow	2,5 - 6	43	Cu	Sn	50	RE 49421



## HEAT SHRINK BUTT TERMINALS

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
4,2	Red	0,75 - 1,25	37	Cu	Sn	100	RE 49429
4,9	Blue	1,25 - 2,5	37	Cu	Sn	100	RE 49430
6,4	Yellow	2,5 - 6	41	Cu	Sn	50	RE 49431



## HEAT SHRINK PUSH ON TERMINALS (FEMALE)

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,35	Red	0,75 - 1,25	27	Cu	Sn	100	RE 49432
6,35	Blue	1,25 - 2,5	28	Cu	Sn	100	RE 49433



## HEAT SHRINK PUSH ON TERMINALS (MALE)

Internal diameter mm	Color	Section cable mm <sup>2</sup>	Total length mm	Material	Superficial treatment	Pack Pcs	Code
6,35	Red	0,75 - 1,25	27	Cu	Sn	100	RE 49434
6,35	Blue	1,25 - 2,5	28	Cu	Sn	100	RE 49435



## TUBULAR TERMINALS

Material: CuSn for high conductivity.

For rigid or flexible conductors. For hexagonal or punched pressing

Section rigid cable	Section Flexible cable	Thickness mm	Screw mm	Packaging pcs	Code
16	10...16	2	6	50	RE 75042
16	10...16	2	8	50	RE 75043
25	16...25	2	8	50	RE 75044
25	16...25	2	10	50	RE 75045
35	25...35	2	8	50	RE 75046
35	25...35	2	10	50	RE 75047
50	35...50	2	10	25	RE 75048
75	50...75	2	13	25	RE 75049
95	70...95	2	10	25	RE 75088
95	70...95	2	12	25	RE 75089
120	95...120	2	12	25	RE 75090
120	95...120	2	14	25	RE 75091



## TUBULAR TERMINALS IN STAINLESS STEEL

Cable Section mm2	Cable Diameter mm	Dimension mm	Screw mm	Packaging pcs	Code
50...65	11	19x52	7	-	RE 75055
50...65	11	19x52	8,5	-	RE 75056
50...75	12	22x54	11,5	-	RE 75057
50...75	12	22x54	12	-	RE 75058
120	15	26,5x61,5	12	-	RE 75059



## CRIMPING TOOL

Tool for crimping red, blue and yellow insulated terminals.

RE 49403



## CRIMPING TOOL

Professional.

For crimping red, blue and yellow insulated terminals.

It can crimp simultaneously both conductors and the insulated part.

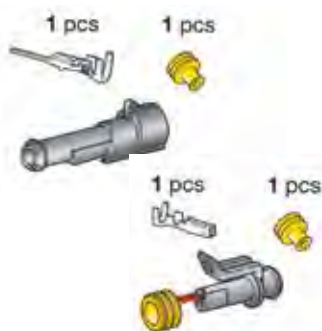
RE 49405



## CRIMPING TOOL FOR TUBULAR TERMINALS

Definite and strong. It allows practical and strong punches of tubular terminals.

Length Flexible cable	Weight Kg	Section Cable mm2	Code
585	2,9	10...95	RE 49406



## SUPERSEAL CONNECTORS - 1 WAY

Kit male holder connector, included terminal and gasket.

N° ways	Color	Section cable	Length mm	Width mm	Code
1 Male	Black	1,5 mm <sup>2</sup>	45,5	13,8	RE 49301
1 Female	Black	1,5 mm <sup>2</sup>	26	13,8	RE 49302



## SUPERSEAL CONNECTORS - 2 WAY

Kit holder connectors, included terminals and gaskets.

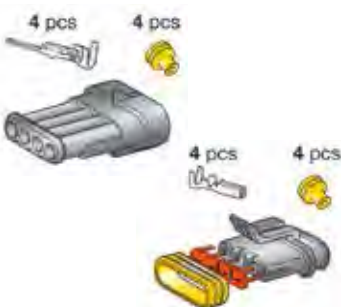
N° ways	Color	Section cable	Length mm	Width mm	Code
2 Male	Black	1,5 mm <sup>2</sup>	45,5	19,9	RE 49303
2 Female	Black	1,5 mm <sup>2</sup>	26	19,9	RE 49304



## SUPERSEAL CONNECTORS - 3 WAY

Kit holder connectors, included terminals and gaskets.

N° ways	Color	Section cable	Length mm	Width mm	Code
3 Male	Black	1,5 mm <sup>2</sup>	45,5	19,9	RE 49305
3 Female	Black	1,5 mm <sup>2</sup>	26	19,9	RE 49306



## SUPERSEAL CONNECTORS - 4 WAY

Kit holder connectors, included terminals and gaskets.

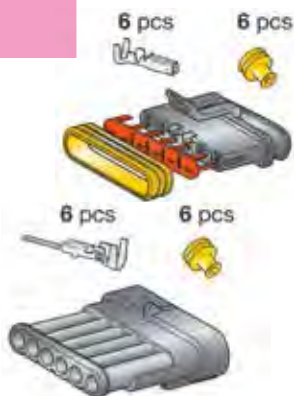
N° ways	Color	Section cable	Length mm	Width mm	Code
4 Male	Black	1,5 mm <sup>2</sup>	45,5	31,9	RE 49307
4 Female	Black	1,5 mm <sup>2</sup>	26	31,9	RE 49308



## SUPERSEAL CONNECTORS - 5 WAY

Kit holder connectors, included terminals and gaskets.

N° ways	Color	Section cable	Length mm	Width mm	Code
5 Male	Black	1,5 mm <sup>2</sup>	45,5	38,2	RE 49309
5 Female	Black	1,5 mm <sup>2</sup>	26	38,2	RE 49310



## SUPERSEAL CONNECTORS - 6 WAY

Kit holder connectors, terminals gasket included.

N° ways	Color	Section cable	Length mm	Width mm	Code
6 Male	Black	1,5 mm <sup>2</sup>	45,5	44	RE 49311
6 Female	Black	1,5 mm <sup>2</sup>	26	44	RE 49312



## POWER CONNECTORS - 2 WAYS

Kit holder connector – Included terminals and gaskets.

N° ways	Color	Section cable	Length mm	Width mm	Code
2 Male	Black	4 - 6	63,5	30,8	RE 49318
2 Male	Black	10	63,5	30,8	RE 49319
2 Female	Black	4 - 6	49,5	30,8	RE 49320
2 Female	Black	10	49,5	30,8	RE 49321



## CANVAS INSULATING TAPE

in Rayon

Length mm	Width mm	Roll length	Color	Packaging pc	Code
19	0,15	25 mt	Black	10	RE 49491



## SELF EXTINGUISHING TAPE

In PVC.

Length mm	Width mm	Roll length	Color	Packaging pc	Code
15	0,15	10 mt	Black	10	RE 49473
15	0,15	25 mt	Black	10	RE 49475



## TIN SOLDER

Leaking soul

Alloy: 60% Pond - 40% Lead. Color: metallic silver

Density g/cm <sup>2</sup>	Diameter mm	Weight sprocket gr	Fusion point °C	Code
8,5	1	500	190	RE 49482
8,5	1,5	500	190	RE 49484

# CABLE TIES AND SUPPORTS



## SELF EXTINGUISHING CABLE TIES

Material: polyamide – Operation temperature – 40°C + 85°C – Flame resistance: UL94 V2  
Free of halogen - Resistant oil, grease, gasoline and chlorinated solvents.

Length mm	Width mm	Color	Max section cable	Pack pcs	Code
98	2,5	Natural	20	100	RE 49441
135	2,6	Natural	25	100	RE 49442
200	2,6	Natural	50	100	RE 49443
140	3,6	Natural	30	100	RE 49444
290	3,6	Natural	75	100	RE 49445
178	4,8	Natural	40	100	RE 49447
200	4,8	Natural	50	100	RE 49448
290	4,8	Natural	75	100	RE 49450
360	4,8	Natural	100	100	RE 49451
180	7,8	Natural	40	100	RE 49453
365	7,8	Natural	100	100	RE 49456
450	7,8	Natural	125	100	RE 49457
540	7,8	Natural	150	100	RE 49458



## FIXING HOSE CLAMPS FOR CABLES AND TUBES

In flexible nylon – Eliminate chafing at the cable.

Length mm	Color	Min section cable mm	Max section cable mm	Pack pcs	Code
53	Natural	5	12	100	RE 49464
103	Natural	7	26	100	RE 49465
153	Natural	25	45	100	RE 49466



## SELF ADHESIVE TIE MOUNT

Material: nylon - They can be assembling with screw and plug.

Number terminal	Cable tie mm	Plate size mm	Color	Tear load N°	Packaging	Code
2	3,6	19x19	natural	-	100	RE 49471
2	4,8	28x28	natural	-	100	RE 49472



## SADDLE SUPPORT

Material: nylon – The stud prevents cable to come in contact with the wall saving the electrical insulation.

Number terminal	Length mm	Width Cable tie mm	Color	Size hole mm	Packaging	Code
1	28	9	natural	5	100	RE 49463





### INOX CABLECLAMS

AISI316L Stainless Steel Cable Glands, Neoprene Seal, Clamping clamps in Polyamide PA6.6, Nitrile O-Ring Protection IP68  
Operating Temperature: -25 ° C + 100 ° C (Continued)  
Supplied with stainless steel locknut AISI316



Step	Fixing hole mm	Diameter (A) mm	Key (B) mm	(E) mm	(C) mm	Code
M12x1.5	12.2	3-7	16	18	6.5	RE 49459
M16x1.5	16.2	4,5-10	20	23	7.0	RE 49460
M20x1.5	20.5	7-13	24	27	8.0	RE 49461
M25x1.5	25.4	10-17	29	32	8	RE 49462
M32x1.5	32.5	11-21	36	40	9	RE 49478



### WATERTIGHT CABLECLAMS

Waterproof co-axial installation without removing connectors.  
Stainless steel screws- Acetal body- Perfect for antenna installation.



Type	Diameter cable mm	Diameter base mm	Diameter max connector mm	Code
STANDARD	4,5 - 9	43,18	17	RE 49474
STANDARD	9 - 14	50,29	21	RE 49476
STANDARD	12 - 15	63,25	36	RE 49480
INOX	4,5 - 9	43,18	17	RE 49474/C
INOX	9 - 14	50,29	21	RE 49476/C
INOX	12 - 15	63,25	36	RE 49480/C



### SIDE ENTRY CABLECLAM

Provides a waterproof side entry for antenna cables without requiring removal of the factory installed connector  
Stainless steel screws - Acetal body - Perfect for antenna installation.



Maximum connector diameter: 25,40 mm  
Cable diameter: 7,112 mm  
Dimensions: Ø 67,70 mm  
Code:

RE 49477



### TIN CABLE OUTLETS

In nylon – resistant to humidity corrosion and infiltrations.



Cable diameter	Base diameter	Height mm	Code
5 - 10 mm	48 mm	38	RE 49479
7 - 12 mm	48 mm	39	RE 49481
10 - 14 mm	48 mm	40	RE 49483



### WATERTIGHT CABLE OUTLETS

In chrome brass and anti-saline rubber – three screws installation.

Cable diameter	Base diameter	Height mm	Code
6 mm	32 mm	14	RE 49485
8 mm	32 mm	14	RE 49486
10 mm	32 mm	14	RE 49487
12 mm	38 mm	16	RE 49488



### CONNECTOR STRIPS 24A

Material: Self-extinguishing polypropylene  
Operation temperature: 85°C – Brass contact – Stainless steel zinc-coated screws.

Number terminal	Section cable mm <sup>2</sup>	Length mm	Width mm	Max Amperage AC/DC A	Packaging pcs	Max voltage Supply AC/DC	Code
12	2,5	93,6	15,5	24	10	380	RE 49497
12	6	112,9	15,6	24	10	380	RE 49498
12	10	137,5	24,2	24	10	380	RE 49499
12	16	170	26,6	24	10	380	RE 49501



### 20 AMPERE TERMINAL BLOCKS

Base in nylon, completely insulates power from the mounting surface bus in nickel-plated brass.



Number terminal	Section screws mm	Weight Kg	Length mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC/DC	Code
2	3	0,02	35,81	22,35	20	300	RE 49529
4	3	0,03	54,86	22,35	20	300	RE 49530
6	3	0,04	73,91	22,35	20	300	RE 49489
8	3	0,05	92,96	22,35	20	300	RE 49531
10	3	0,06	112,01	22,35	20	300	RE 49490



### TERMINAL BLOCK

In nickel-brass – Blister of 5 pcs

RE 49539



### 30 AMPERE TERMINAL BLOCKS

Base in phenolic, completely insulates power from the mounting surface bus in nickel-plated brass.



Number terminal	Section screws mm	Weight Kg	Length mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC/DC	Code
2	4	0,05	53,34	33,27	30	600	RE 49532
4	4	0,07	87,79	33,27	30	600	RE 49533
6	4	0,1	110,24	33,27	30	600	RE 49492
8	4	0,12	138,68	33,27	30	600	RE 49534
10	4	0,15	167,13	33,27	30	600	RE 49493
12	4	0,16	195,58	33,27	30	600	RE 49494



### TERMINAL BLOCK JUMPER FOR 30 AMPERE SERIES

Nickel-plated brass bus-5 pcs blister

RE 49540



### 65 AMPERE TERMINAL BLOCKS

Base in phenolic, completely insulates power from the mounting surface bus in nickel-plated brass.



Number terminal	Section screws mm	Weight Kg	Length mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC/DC	Code
2	5	0,07	63,49	45,97	65	600	RE 49536
4	5	0,11	98,55	45,97	65	600	RE 49537
6	5	0,16	133,61	45,97	65	600	RE 49495
8	5	0,20	168,67	45,97	65	600	RE 49538
10	5	0,24	203,73	45,97	65	600	RE 49496



### TERMINAL BLOCK JUMPER FOR 65 AMPERE SERIES

Nickel-plated brass bus-5 pcs blister

RE 49541

**48 V**



### HIGHT POWER DOUBLE TERMINAL

Allows the connection of positive and negative.  
Max power allowed depending on cable section and terminals.

Stud section	Terminals cover	Voltage max	Fixing screw section	Dimensions mm	Weight Kg	Code
2xM8	2	48 V	M5	70x48x44,5	0,12	RE 49561
2xM10	2	48 V	M5	70x48x44,5	0,12	RE 49562
1xM8+1xM10	2	48 V	M5	70x48x44,5	0,12	RE 49563



### HIGHT POWER DOUBLE TERMINAL

Allows the connection of high current cables.

Stud section	Terminals cover	Voltage max	Fixing screw section	Dimensions mm	Code
2 x 3/8"-16	2	48 V	M5	69,85x47,63x41,30	RE 49560



### TERMINAL FEED THROUGH CONNECTORS

Perfect for passing high current through hulls, decks and bulkheads.  
Eliminate chafing and provide a water tight installation.  
Stud in tin-plated copper alloy. Base in reinforced thermoplastic.

Stud section	Continuous amperage	Max voltage Supply DC	Diameter Mounting hole	Color	Weight Kg	Code
M8	250 A	48 V	21,84 mm	Red	0,14	RE 49545
M8	250 A	48 V	21,84 mm	Black	0,14	RE 49546
M 10	250 A	48 V	21,84 mm	Red	0,14	RE 49547
M 10	250 A	48 V	21,84 mm	black	0,14	RE 49548



### POWER POST HIGH AMPERAGE CABLE CONNECTORS

Amperage flows between terminals stacked on post and is determined by wire and terminal used.  
Base in reinforced thermoplastic. Bus in tin-plated copper. Stud in stainless steel. Red cable cap insulator

Section Stud	Max voltage Supply DC	Color cap	Weight Kg	Code
M 5	48 V	Red	0,03	RE 49524
M 6	48 V	Red	0,05	RE 49525
M 8	48 V	Red	0,11	RE 49522
M 10	48 V	Red	0,12	RE 49523



### POWER POST PLUS CABLE CONNECTORS

Base in reinforced thermoplastic. Bus in tin-plated copper.  
Stud in stainless steel. Red cable cap insulator.

Section Stud	Section screw	Continuous amperage	Max voltage Supply DC	Color caps	Weight Kg	Code
M 6	4 mm	150 A	48 V	Red	0,13	RE 49526
M 8	4 mm	150 A	48 V	Red	0,14	RE 49527
M 10	4 mm	150 A	48 V	Red	0,15	RE 49528



### POWERPOST INSULATOR

Provides electrical insulation for single studs and large cables.

Polarity	Cable section mm <sup>2</sup>	Package pz	Color	Weight Kg	Code
+	16	1	Red	0,03	RE 75086

# BUSBAR CONNECTOR



## MINIBUS 100 AMPERE COMMON BUSBAR

Screws and studs in stainless steel. - Reinforced polycarbonate base  
Great for limited space applications

Number terminal	Section screws mm	Section studs mm	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC V	Max voltage Supply DC V	Code
5	4	M 5	0,07	106,68	22,86	100	300	48	RE 49502
4	-	M 5	0,07	106,68	22,86	100	300	48	RE 49513
6	4	-	0,05	95,25	12,7	100	300	48	RE 49514

ABS cover for dualbus RE 49502 – RE 49513

RE 49502/C



## DUALBUS 100 AMPERE COMMON BUSBAR

Combine negative and positive buses on one block  
Screws and studs in stainless steel  
ABS base

Tin-plated copper bus for maximum conductivity and corrosion resistance

Number terminal	Section screws mm	Section studs mm	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC V	Max voltage Supply DC V	Code
5x2	4	-	0,09	76,5	46,48	100	300	48	RE 49516
10x2	4	-	0,14	128,52	46,48	100	300	48	RE 49517

ABS cover for dualbus RE 49516

RE 49518

ABS cover for dualbus RE 49517

RE 49519



## 150 AMPERE COMMON BUSBAR

Reinforced polycarbonate base  
Screws and studs in stainless steel

Tin-plated copper bus for maximum conductivity and corrosion resistance

Number terminal	Section screws mm	Section studs mm	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC V	Max voltage Supply DC V	Code
10	4	M 6	0,15	149,22	31,75	130/150	300	48	RE 49503
20	4	M 6	0,24	231,78	31,75	130/150	300	48	RE 49512
4	-	M 6	0,16	149,22	31,75	130/150	300	48	RE 49505

ABS cover for busbar RE 49503 – RE 49505

RE 49503/C

ABS cover for busbar RE 49512

RE 49512/C



## DUALBUS PLUS 150 AMPERE COMMON BUSBAR

Combine negative and positive buses on one block.

Screws and studs in stainless steel. Reinforced polycarbonate base.

Clear polycarbonate cover. Tin-plated copper bus for maximum conductivity and corrosion resistance.

Number terminal	Section screws mm	Section studs mm	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC A	Max voltage Supply AC V	Max voltage Supply DC V	Code
5	5	M 6	0,30	123,83	65,53	150	300	48	RE 49506
5	5	M 8	0,28	123,83	65,53	150	300	48	RE 49507

# BUSBAR CONNECTORS



## 200 AMPERE COMMON BUSBAR

Nickel-plated brass plate.  
Stainless steel connection studs.  
Thermoplastic base.

Number terminal	Screws section mm	Studs section mm	Max amperage	Max Voltage VDC	Length mm	Color	Code
10	4	6	200	48	152	Red	RE 49520
10	4	6	200	48	152	Black	RE 49521



## MAXIBUS 250 AMPERE COMMON BUSBAR

Reinforced polycarbonate base. Screws and studs in stainless steel.  
Tin-plated copper bus or maximum conductivity and corrosion resistance.



Number terminal	Section screws	Section studs	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC	Max voltage Supply AC	Max voltage Supply DC	Code
4	-	8mm	0,41	149	38,1	250 A	300 V	48 V	RE 49535
6	5 mm	8 mm	0,29	149	38	250 A	300 V	48 V	RE 49508
6	-	8mm	0,45	197	38	250 A	300 V	48 V	RE 49509
12	5 mm	8 mm	0,36	201,3	38,1	250 A	300 V	48 V	RE 49504

ABS cover for maxibus RE 49509 – RE 49504

RE 49510

ABS cover for maxibus RE 49508 – RE 49535

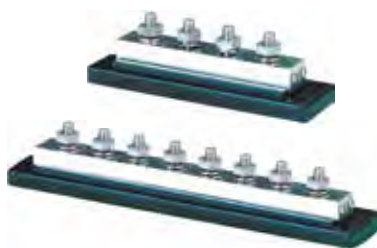
RE 49511



## MAXIBUS 300 AMPERE COMMON BUSBAR

Nickel-plated brass plate  
Stainless steel connection studs  
Thermoplastic base

Number terminal	Section mm	Max amperage	Max Voltage VDC	Length mm	Color	Code
4	8	250 A	48	164	Red	RE 49549
4	8	250 A	48	164	Black	RE 49550
4	10	350 A	48	164	Red	RE 49551
4	10	350 A	48	164	Black	RE 49552



## MAXIBUS 600 AMPERE COMMON BUSBAR

Reinforced polycarbonate base. Screws and studs in stainless steel  
Tin-plated copper bus for maximum conductivity and corrosion resistance.



Number terminal	Section screws	Section studs	Weight Kg	Lenght mm	Width mm	Max Amperage AC/DC	Max voltage Supply AC	Max voltage Supply DC	Code
4	-	M10	0,79	177,8	50,8	600 A	300 V	48 V	RE 49553
8	-	M10	1,25	288,93	50,8	600 A	300 V	48 V	RE 49543

# BUSBAR CONNECTORS



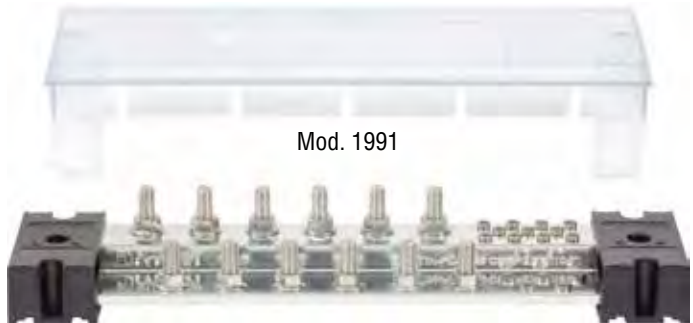
## POWER BAR 1000

Complex wiring systems require a single point to consolidate large and small conductors. The PowerBar 1000 offers a 1,000 Amp busbar with various size studs and screws to connect conductors and fuse blocks.

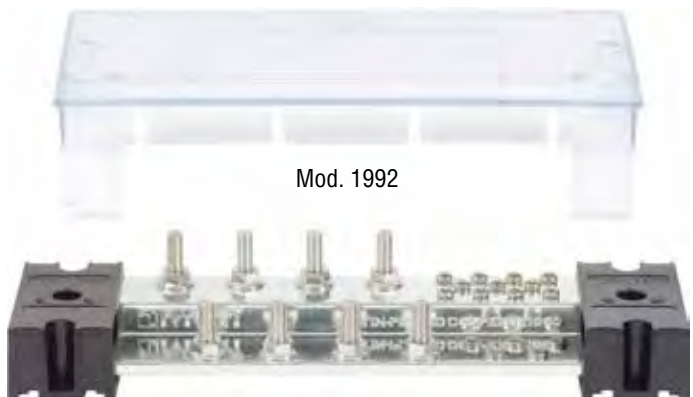
1,000 Amp busbar for large complex wiring systems. Tin plated pure electrical copper for maximum conductivity. Stepped bus design offers two elevations for conductors which doubles the density of the wire loom compared to traditional bus bars. Busbar and fuse block elevations match common fuse blocks allowing for multiple fuse block attachment, eliminating the need for connecting cables. One-piece serrated flange nuts ensure correct and secure connections. Stainless steel 8-32 screws with captive lock washers for securing smaller gauge wires. Busbar may be cut to a shorter length to accommodate constricted spaces. Bi-directional busbar end caps allow the ganging of additional busbars. Snap on insulating cover meets ABYC and USCG requirements and includes label recess.



Mod. 1990



Mod. 1991



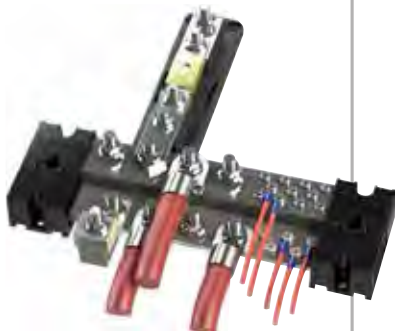
Mod. 1992



Mod. 1993



1990 - scheme 1



1990 - scheme 2



1990 - scheme 3

Model	Number terminal	Section Pin	Section screws	Continuous amperage A	Voltage Max VDC	Dimensions mm	Code
1990	8	3/8" - 8	5xM5 + 11xM6	1000	150	300,3x116,6	RE 49555
1991	12	3/8" - 12	5xM5 + 11xM6	1000	150	363,8x116,6	RE 49556
1992	8	5/16" - 8	5xM5 + 11xM6	1000	150	300,3x116,6	RE 49557
1993	12	5/16" - 12	5xM5 + 11xM6	1000	150	363,8x116,6	RE 49558

# SOCKETS AND PLUGS



- Marincou coupling plugs and sockets
- Industrial sockets and plugs IEC 309 IP67
- Sockets 220V
- Inlet sockets 12V
- Coupling plugs 12v
- Sockets and plugs for boat trucks
- IP68 connectors








# REBAMARINE

NAUTICAL EQUIPMENT



## 16 A WATERTIGHT INLET PLUGS

Easy Lock System.

Watertight cover with flick or bayonet closure.

Male threaded ring nut for fixing firmly the cap of the 16A coupling socket.

White model: in reinforced polyester.

Metallic model: in stainless steel.



Model	Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Inlet depth mm	Protection grade IP	Code
301EL-BX	16	30	125-230	2P+G	Polyester	84x96	55	56	RE 58995
303SSEL-BX	16	30	125-230	2P+G	Inox 316	83x105	60	56	RE 58965



## 32 A WATERTIGHT INLET PLUGS

Easy Lock System.

Watertight cover with flick or bayonet closure.

Male threaded ring nut for fixing firmly the cap of the 32A coupling socket.

White model: in reinforced polyester.

Metallic model: in chromed steel.



Model	Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Inlet depth mm	Protection grade IP	Code
6351EL-BX	32	50	125-230	2P+G	Polyester	84x96	100	56	RE 58926
6371EL-BX	32	50	125-230	2P+G	Inox 316	83x105	100	56	RE 58968



## WATERTIGHT INLET PLUG 50A 4 POLES FOR AMERICAN BOATS (3 POLES - 4 THREAD)

Easy lock system.

Watertight cover with flick or bayonet closure.

Male threaded ring nut for fixing firmly the cap of the 50A coupling socket.

In stainless steel.



Model	Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimens mm	Inlet depth mm	Protection grade IP	Code
6373EL-B	50	50	125-230	2P+G	Inox 316	83x105	100	56	RE 58988



## PHONE COUPLING SOCKET

Socket material	External diameter	Length max	Poles N°	Code
Polyester	35	55	2	RE 58962



## INLET PLUG FOR PHONE AND TV

Flange material	Flange dimension mm	Inlet width mm	Phones poles N°	Code
Stainless steel	85x105	45	2	RE 58974





## COUPLING SOCKET 16A



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
305CRCXN	16A	30A	125 - 230	2p+G	Nylon	47	90	RE 58967

Watertight cap in yellow nylon  
Watertight frontal cap IP56 mod 199109

RE 58966  
RE 58914



## COUPLING SOCKET 16A



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
305CRPN	16A	30A	125 - 230	2P+G	Nylon	47	120	RE 58927

Watertight cap in yellow nylon

RE 58928



## COUPLING PLUG 32A - 50A



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6361CRN	32A	50A	125 - 230	2P+G	Nylon	60	130	RE 58913

Watertight cap in yellow nylon

RE 58917



## COUPLING SOCKET 32A - 50A



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6360CRN	32A	50A	125 - 230	2P+G	Nylon	60	130	RE 58970

Watertight cap in yellow nylon  
Watertight cap in yellow nylon

RE 58969  
RE 58915



## COUPLING PLUG 50A FOR USA BOATS



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6365CRN	50A	50A	125 - 250	3P+G	Nylon	60	130	RE 58916

Watertight cap in yellow nylon

RE 58917



## COUPLING SOCKET 50A FOR USA BOATS



Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6364CRN	50A	50A	125 - 250	3p+G	Nylon	60	130	RE 58989

Watertight cap in yellow nylon  
Watertight cap in yellow nylon

RE 58969  
RE 58915



## COLLAR + CONNECTION RING

It allows a stable and safe connection avoiding the unhook for the traction.

Socket material	External diameter	Length max	Utilization	Code
Polyester	109	30	16/32/50/63A	RE 58918

# INLET SOCKETS AND PLUGS

**MARINCO**



## INLET PLUG 63A 220V

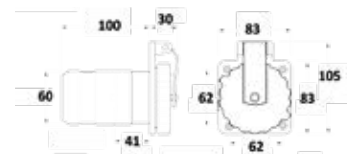
Mono-phase 2 poles+ground.  
Easy lock system.  
Watertight cover with flick or bayonet closure.  
Male threaded ring nut for fixing firmly the cap for coupling socket 32 A.  
White model: reinforced polyester. Metallic model: stainless steel.

Model	Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimens mm	Inlet depth mm	Protection grade IP	Code
6401EL-BX	63	-	230	2P+G	Inox 316	83x105	100	56	RE 58901



## INLET PLUG 63A 380V

Three-phase 3 poles +ground. Easy Lock System  
Watertight cover with flick or bayonet closure  
Male threaded ring nut for fixing firmly the cap for coupling socket 32 A  
White model: reinforced polyester  
Metallic model: stainless steel



Model	Current Max 380 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimens mm	Inlet depth mm	Protection grade IP	Code
6402EL-BX	63	-	230	3P+G	S. steel 316	83x105	100	56	RE 58902



## COUPLING SOCKET 16A 220V

Model	Current Max 230 V	Current Max 125 V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6401CRCX	63A	-	230	2P+G	Nylon	Ø 60	130	RE 58904

Watertight protection cap in yellow nylon

RE 58969



## SPINA VOLANTE 63 A 230 V

Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6401CRPX	63A	-	230	2P+G	Nylon	Ø 60	130	RE 58905

Watertight protection cap in yellow nylon

RE 58969



## COUPLING SOCKET 63A 220V 3 POLES

For three-phase installations

Model	Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
6402CRCX	63A	-	230	3P+G	Nylon	Ø 60	130	RE 58906

Watertight protection cap in yellow nylon

RE 58969



## COUPLING PLUG 63A 220V 3 POLES

For three-phase installations

Model	Corrente Max 230V	Corrente Max 125V	Tensione V	Poles N°	Material	Diameter mm	Length mm	Code
6402CRPX	63A	-	230	3P+G	Nylon	Ø 60	130	RE 58907

Watertight protection cap in yellow nylon

RE 58969

# INDUSTRIAL SOCKETS AND PLUGS IEC 309



Meets the safety requirements defined by IEC 60309-1 and IEC 60309-2. The parts in insulating material are made of self-extinguishing thermoplastic polymer with high dimensional stability, resistant to chemical and atmospheric agents. Cable clamp incorporated with anti-abrasion cable-glands. The terminal is made from special high quality copper alloys. The plugs are nickel plated.



## IP67 FLUSH MOUNTING 10° SOCKET OUTLETS

Insulator Color	Nominal voltage V	Voltage range V	Nominal current A	Polarity	Terminal clamping mm <sup>2</sup>	External cable section	Inlet hole mm	Flange dimensions	Code
Blue	230	200-250	16	1P+N+G	1-2,5	8-13,2 mm	Ø56	85x75 mm	RE 58963
Blue	230	200-250	32	1P+N+G	2,5-6	11-19,6 mm	Ø68	95x80 mm	RE 58956
Blue	230	200-250	63	1P+N+G	6-16	17-37 mm	Ø84	110x100 mm	RE 58923
Blue	230	200-250	63	3P+G	6-16	19-37 mm	Ø84	110x100 mm	RE 58640
Blue	230	200-250	125	3P+G	16-50	28-49 mm	Ø95	114x114 mm	RE 58641

## IP67 STRAIGHT CONNECTORS

Insulator Color	Nominal voltage V	Voltage range V	Nominal current A	Polarity	Terminal clamping	External cable section	Inlet hole mm	Flange dimensions	Code
Blue	230	200-250	16	1P+N+G	1-2,5 mm <sup>2</sup>	8-13,2 mm	157	Ø 73 mm	RE 58960
Blue	230	200-250	32	1P+N+G	2,5-6 mm <sup>2</sup>	11-19,6 mm	195	Ø 95 mm	RE 58986
Blue	230	200-250	63	1P+N+G	6-16 mm <sup>2</sup>	17-37 mm	248	Ø 113 mm	RE 58922
Blue	230	200-250	63	3P+G	6-16 mm <sup>2</sup>	19-37 mm	248	Ø 113 mm	RE 58647
Blue	230	200-250	125	3P+G	16-50 mm <sup>2</sup>	28-49 mm	320	Ø 130 mm	RE 58958

## IP67 STRAIGHT TRAILING PLUGS

Insulator Color	Nominal voltage V	Voltage range V	Nominal current A	Polarity	Terminal clamping	External cable section	Inlet hole mm	Flange dimensions	Code
Blue	230	200-250	16	1P+N+G	1-2,5 mm <sup>2</sup>	8-13,2 mm	138	Ø 73 mm	RE 58955
Blue	230	200-250	32	1P+N+G	2,5-6 mm <sup>2</sup>	11-19,6 mm	195	Ø 95 mm	RE 58987
Blue	230	200-250	63	1P+N+G	6-16 mm <sup>2</sup>	17-37 mm	248	Ø 113 mm	RE 58919
Blue	230	200-250	63	3P+G	6-16 mm <sup>2</sup>	19-37 mm	248	Ø 113 mm	RE 58650
Blue	230	200-250	125	3P+G	16-50 mm <sup>2</sup>	28-49 mm	300	Ø 130 mm	RE 58957

## IP67 SURFACE MOUNTING 90° PLUGS 1P+N+G

Insulator Color	Nominal voltage V	Voltage range V	Nominal current A	Polarity	Terminal clamping	External cable section	Inlet hole mm	Flange dimensions	Code
Blue	230	200-250	16	1P+N+G	1-2,5 mm <sup>2</sup>	8-13,2 mm	75x115x83	Ø 73 mm	RE 58961
Blue	230	200-250	32	1P+N+G	2,5-6 mm <sup>2</sup>	11-19,6 mm	95x145x115	Ø 95 mm	RE 58985
Blue	230	200-250	63	1P+N+G	6-16 mm <sup>2</sup>	17-37 mm	115x200x135	Ø 113 mm	RE 58921

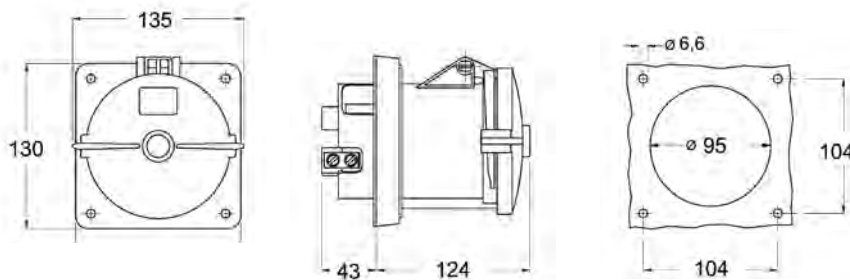
# INLET SOCKETS AND PLUGS



## 100A WATERTIGHT INLET PLUG 3 POLES (4 WIRES)

In robust Grey Amaplast.  
Electric connection: 3 poles - 4 wires.  
IP67 protection.

Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Ext/int width mm	Protection grade IP	Code
100	100	125-230	3P+G	Amaplast	130x135	45/120	67	RE 58953



## 100A WATERTIGHT INLET PLUG 4 POLES (5 WIRES)

In robust Grey Amaplast.  
Electric connection: 4 poles - 5 wires.  
IP67 protection.

Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Ext/int width mm	Protection grade IP	Code
100	100	380	3P+N+G	Amaplast	130x135	45/120	67	RE 58903



## 100A WATERTIGHT INLET SOCKET 3 POLES (4 WIRES)

In robust Grey Amaplast.  
Electric connection: 3 poles - 4 wires.  
IP67 protection.

Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Ext/int width mm	Protection grade IP	Code
100	100	125-230	3P+G	Amaplast	130x135	45/120	67	RE 58686



## 100A WATERTIGHT INLET SOCKET 4 POLES (5 WIRES)

In robust Grey Amaplast.  
Electric connection: 4 poles - 5 wires.  
IP67 protection.

Current Max 230 V A	Current Max 125 V A	Supply V	Poles N°	Material	Flange dimen mm	Ext/int width mm	Protection grade IP	Code
100	100	125-230	3P+N+G	Amaplast	130x135	45/120	67	RE 58687



### COUPLING SOCKET 100A 3 POLES (4 WIRES)

In robust yellow Amaplast.  
Electric connection: 3 poles – 4 wires.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100A	100A	125-230	3P+G	Amaplast	Ø 80	290	RE 58954



### COUPLING SOCKET 100A 4 POLES (5 WIRES)

In robust yellow Amaplast.  
Electric connection: 4 poles – 5 wires.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100A	100A	125-230	3P+N+G	Amaplast	Ø 80	290	RE 58908



### COUPLING PLUG 100A 3 POLES (4 WIRES)

In robust yellow Amaplast.  
Electric connection: 3 poles – 4 wires.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100	100	125-230	3P+G	Amaplast	Ø 80	290	RE 58688



### COUPLING SOCKET 100A 3 POLES (4 WIRES)

In robust yellow Amaplast.  
Electric connection: 3 poles – 4 wires.  
Cover.  
For coupling socket 3 poles.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100	100	125-230	3P+G	Amaplast	Ø 80	290	RE 58689



### COUPLING PLUG 100A 4 POLES (5 WIRES)

In robust yellow Amaplast.  
Electric connection: 4 poles – 5 wires.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100	100	125-230	3P+N+G	Amaplast	Ø 80	290	RE 58690



### COUPLING SOCKET 100A 4 POLES (5 WIRES)

In robust yellow Amaplast.  
Electric connection: 4 poles – 5 wires.  
Cover.  
For coupling socket 4 poles.

Current Max 230V	Current Max 125V	Supply V	Poles N°	Material	Diameter mm	Length mm	Code
100	100	125-230	3P+N+G	Amaplast	Ø 80	290	RE 58691

# FIXED AND REMOVABLE SOCKETS



## FIXED INLET SOCKETS 20° IP67 1P+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Inlet hole mm	Dimension mm	Code
Blue	230	16	1P+N+G	1,5/4 mm <sup>2</sup>	52 x 60	73,5 x 64 x 43	RE 58644
Blue	230	32	1P+N+G	1,5/4 mm <sup>2</sup>	52 x 60	73,5 x 64 x 43	RE 58645
Blue	230	63	1P+N+G	6/25 mm <sup>2</sup>	Ø 92	110 x 106 x 69	RE 58646

## FIXED INLET SOCKETS 20° IP67 2P+N+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Inlet hole mm	Dimension mm	Code
Blue	230	63	2P+N+G	6/25 mm <sup>2</sup>	Ø 92	110 x 106	RE 58651
Blue	230	125	2P+N+G	25/70 mm <sup>2</sup>	Ø 94	114 x 110	RE 58652

## FIXED INLET SOCKETS 20° IP67 3P+N+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Inlet hole mm	Dimension mm	Code
Blue	400	63	3P+N+G	6/25 mm <sup>2</sup>	Ø 92	110 x 106	RE 58658
Blue	400	125	3P+N+G	25/70 mm <sup>2</sup>	Ø 94	114 x 110	RE 58659



## REMOVABLE SOCKETS IP67 1P+N+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Blue	230	16	1P+N+G	1/2,5 mm <sup>2</sup>	146 x 72	RE 58693
Blue	230	32	1P+N+G	1/2,5 mm <sup>2</sup>	146 x 72	RE 58694
Blue	230	63	1P+N+G	6/16 mm <sup>2</sup>	264 x 118	RE 58695

## REMOVABLE SOCKETS IP67 2P+N+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Blue	230	63	2P+N+G	6/16 mm <sup>2</sup>	264 x 118	RE 58696
Blue	230	125	2P+N+G	25/50 mm <sup>2</sup>	320 x 135	RE 58697

## REMOVABLE SOCKETS IP67 3P+N+G

Insulating Color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Red	400	63	3P+N+G	6/16	264 x 118	RE 58698
Red	400	125	3P+N+G	25/50	320 x 135	RE 58699



## REMOVABLE PLUGS IP67 1P+N+G

Insulating color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Blue	230	16	1P+N+G	1/2,5 mm <sup>2</sup>	142 x 70	RE 58629
Blue	230	32	1P+N+G	2,5/6 mm <sup>2</sup>	186 x 94	RE 58674
Blue	230	63	1P+N+G	6/16 mm <sup>2</sup>	246 x 114	RE 58675

## REMOVABLE PLUGS IP67 2P+N+G

Insulating color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Blue	230	63	2P+N+G	6/16 mm <sup>2</sup>	246 x 114	RE 58676
Blue	230	125	2P+N+G	25/50 mm <sup>2</sup>	293 x 131	RE 58677

## REMOVABLE PLUGS IP67 3P+N+G

Insulating color	Voltage supply V	Max rated current A	Polarity	External diameter cable	Dimension mm	Code
Red	400	63	3P+N+G	6/16 mm <sup>2</sup>	246 x 114	RE 58678
Red	400	125	3P+N+G	25/50 mm <sup>2</sup>	293 x 131	RE 58679



## FIXED SOCKET, WALL MOUNTING LOW SUPPLY

In compliance with DIN VDE 0623, EN 60309-2. IP44.

Insulating Color	Voltage range V	Voltage MAX A	Poles number	External diameter cable	Dimensions mm	Code
Purple	20/25	16	2	4/10 m <sup>2</sup>	Ø 34 x 75 x 75	RE 58943
Purple	20/25	32	3	4/10 m <sup>2</sup>	Ø 34 x 75 x 75	RE 58944

## REMOVABLE SOCKETS AND PLUGS LOW SUPPLY

In compliance with DIN VDE 0623, EN 60309-2.

SOCKETS	Insulating Color	Voltage range V	Voltage MAX A	Poles number	External diameter cable	Dimensions mm	Code
	Purple	20/25	16	2	4/10 m <sup>2</sup>	Ø 55 x 164	RE 58948
	Purple	20/25	32	3	4/10 m <sup>2</sup>	Ø 55 x 164	RE 58949
PLUGS	Insulating Color	Voltage range V	Voltage MAX A	Poles number	External diameter cable	Dimensions mm	Code
	Purple	20/25	16	2	4/10 m <sup>2</sup>	Ø 55 x 164	RE 58945
	Purple	20/25	32	3	4/10 m <sup>2</sup>	Ø 55 x 164	RE 58959

# EURO-STANDARD MODULAR SOCKETS



## SOCKET VIMAR IDEA

Socket outlet with increased protection and shutteRed socket-contacts: the contacts in voltage aren't accessible with test wiring.

Resilient wrap socket-contacts.

Conformity to standard: German: Din VDE 0620-1. French: NF C61-314.

Model	Current A	Voltage V	Modules N°	Contact protect	Color	Code
SYCURY socket 2P+G GERMAN Standard	16	250	2	YES	Grey	RE 58680
SYCURY socket 2P+G FRENCH Standard	16	250	2	YES	Grey	RE 58681
SYCURY socket 2P+G ENGLISH Standard	16	250	2	YES	Grey	RE 58682
Preso SYCURY 2P+G ENGLISH Standard	13	250	2	YES	Grey	RE 58683
Polarized Socket 2P	6	24	1	YES	Grey	RE 58615
American Socket 2P + G	15	127	1	YES	Grey	RE 58684
SYCURY socket 2P+G GERMAN Standard	16	250	2	YES	White	RE 58680/B
SYCURY socket 2P+G FRENCH Standard	16	250	2	YES	White	RE 58681/B
SYCURY socket 2P+G ENGLISH Standard	16	250	2	YES	White	RE 58682/B
SYCURY socket 2P+G ENGLISH Standard	13	250	2	YES	White	RE 58683/B
Italian/European Adapter	16	250	-	-	Black	RE 58700



## ITALIAN STANDARD SOCKET

CEI 23-50 (IEC 60884-1) conformity.

Model	Current A	Voltage V	Modules N°	Contact P11	Contact P17	Color	Code
Bsocket SYCURY 2P+G (P17/11)	16	250	1	YES	YES	Grey	RE 58660
Socket SYCURY UNIVERSAL	16	250	2	YES	YES	Grey	RE 58661
Bsocket SYCURY 2P+G (P17/11)	16	250	1	YES	YES	White	RE 58660/B
Socket SYCURY UNIVERSAL	16	250	2	YES	YES	White	RE 58661/B





### ITALIAN SOCKET 220V

CE modular system.  
Socket with two poles + ground 10A, Italian standard.  
In ABS.



Voltage	MAX amperage	Color	Inlet hole	Cover dimensions	Code
220 V	10 A	Grey	29 mm	60 x 60 mm	RE 58909



### ENGLISH SOCKET 220V

CE modular system.  
Socket with two poles + ground 10A, English standard.  
In ABS.



Voltage	MAX amperage	Color	Inlet hole	Cover dimensions	Code
220 V	10 A	Grey	29 mm	60 x 60 mm	RE 58910



### GERMAN SOCKET 220V

CE modular system.  
Socket with two poles + ground 10A, German standard.  
In ABS.



Voltage	MAX amperage	Color	Inlet hole	Cover dimensions	Code
220 V	10 A	Grey	29 mm	60 x 60 mm	RE 58912



### 5V 3A USB SOCKET

CE modular system in ABS.

Voltage	Amperage	Color	Inlet hole	Cover dimensions	Code
12V	max 3A	Grey	29 mm	60 x 60 mm	RE 58940



### DOUBLE USB SOCKET 5V 1A + 2.1A

CE modular system in ABS.

Voltage	Amperage	Color	Inlet hole	Cover dimensions	Code
12V	max 2,1 A	Grey	29 mm	60 x 60 mm	RE 58941



### GREY COVER 60X60MM

For the internal modular switches.

RE 60245

### 2 MODULE GRAY COVER

RE 60247



### SPACER 10MM (60X60MM)

For internal modular switches.

RE 60246



## ELECTRICAL SOCKETS

Type	Current A	Voltage V	Poles	Color	Code
axial	10	250	2P+G	White	RE 58520
axial	10	250	2P+G	Black	RE 58521
axial	16	250	2P+G	White	RE 58522
axial	16	250	2P+G	Black	RE 58523
flat 90°	10	250	2P+G	White	RE 58524
flat 90°	10	250	2P+G	Black	RE 58525
flat 90°	16	250	2P+G	White	RE 58526
flat 90°	16	250	2P+G	Black	RE 58527
shuko	16	250	2P+G	White	RE 58528
shuko	16	250	2P+G	Black	RE 58529



## ELECTRICAL PLUGS

Type	Current A	Voltage V	Poles	Color	Code
axial	10	250	2P+G	White	RE 58530
axial	10	250	2P+G	Black	RE 58531
axial	16	250	2P+G	White	RE 58532
axial	16	250	2P+G	Black	RE 58533
universal	16	250	2P+G	White	RE 58534
universal	16	250	2P+G	Black	RE 58535



### DUAL USB CHARGERS

Watertight. In Polycarbonate.  
Easy to install thanks to the threaded ring.

Voltage V	MAX amperage A	Output Voltage V	Color	Inlet hole mm	Depth mm	External diameter mm	Code
12	2,1	5	Black	29	46	36	RE 58977
12	2,1	5	White	29	46	36	RE 58971



### CONTURA FAST CHARGE - DUAL USB CHARGER SWITCH MOUNT

Charges at the speed required by specific devices. Internal filtering for Reduced electronic interference.  
Over temperature protection. Protective dust cap keeps debris and moisture out.

Voltage V	MAX amperage A	Output Voltage V	Color	Inlet hole mm	Depth mm	Code
9 - 32	4,8	5	Black	37 x 21	46,7	RE 58979
9 - 32	4,8	5	Black	29	46,7	RE 58972



### AMERICAN INLET SOCKET

Watertight.  
In Polycarbonate.  
Easy to install thanks to the threaded ring.



Voltage V	MAX amperage A	Color	Inlet hole mm	Depth mm	External diameter mm	Code
12	15	Black	29	46	36	RE 58983



### AMERICAN COUPLING PLUG

Green LED indicator light. Sealink system. In polycarbonate.  
Interchangeable fuse.



Voltage V	MAX amperage A	Color	Length mm	Diameter max mm	Fuse A	Code
12	15	Black	82	23	10	RE 58984



### COUPLING PLUG

Single spring. In black plastic. Crimping contacts.

Voltage V	MAX amperage A	Color	Length mm	MAX diameter mm	Code
12-24	7	Black	70	20	RE 58976



### COUPLING SOCKET AT 90°

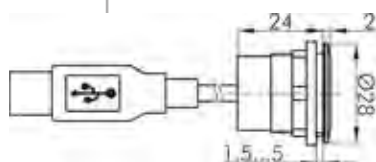
Double spring. In polyamide. Screw contacts  
With DIN adaptor and cigar lighters. Cable output at 90°.

Voltage V	MAX amperage A	Color	Length mm	MAX diameter mm	Code
12-24	10	Black	90	22	RE 58975



### USB 3.0 SOCKET WITH CABLE

Suitable for controlling stereo or other USB device (phone, tablet, etc.)  
Directly from the dashboard. Internal connection: power and data



USB type	Length cable	Inlet hole	Code
3.0	1,5 mt	22 mm	RE 58537



### 12V EXTEND CABLE

Extension for power supply 12V.  
Equipped with led light and safety cap.  
Maximum current: 10A.

RE 58938



### 12V EXTEND CABLE WITH SPLITTER

Extension for power supply 12V.  
Equipped with led light and safety cap.  
Maximum current: 10A.

RE 58939



### WATERTIGHT INLET SOCKET

CE modular system.  
With cap. In ABS

Voltage V	MAX amperage A	Color	Inlet hole mm	Depth mm	Cover dimensions mm	Code
12	10	Grey	29	46	60x60	RE 60238

Cover  
Spacer

RE 60245  
RE 60246



### 12V DIN + TV SOCKET

Modular system, CE certified. TV 9.5 75 Ohm. In ABS.

Voltage V	MAX amperage A	Color	Inlet hole mm	Cover dimensions mm	Code
12	10	Grey	29	60 x 60	RE 60241

Cover  
Spacer

RE 60245  
RE 60246



### DIN INLET SOCKET

Modular system, CE certified. In ABS. With cap – Faston connections.

Voltage V	MAX amperage A	Color	Inlet hole mm	Internal hole mm	Cover dimensions mm	Code
12	10	Grey	29	12	60x60	RE 60240

Cover  
Spacer

RE 60245  
RE 60246



### DIN INLET SOCKET

In nickel-plated brass. With cap. Faston connections – internal trip free mechanism.

Voltage V	MAX amperage A	Color	Inlet hole mm	Internal hole mm	Depth mm	Code
12	10	Black	18	12	35	RE 58973



### DIN COUPLNG PLUG

In polyamide. Faston connections.

Voltage V	MAX amperage A	Color	MAX diameter mm	Depth mm	Code
12	10	Black	20	64	RE 58992



### INLET SOCKET - 3 POLES

In thermoplastic material. Faston connections.  
Mounting flange with two holes. With cap. Pins in nickel-plated brass.

Voltage V	Poles n°	MAX amperage A	Color	Inlet hole mm	Inlet depth mm	Cable size mm <sup>2</sup>	Code
12	2+1	25+5	Black	30	50	4	RE 58993



### COUPLING PLUG 3 POLES

In thermoplastic material. Faston connections – with cap.  
Pins in nickel-plated brass.

Voltage V	Poles n°	MAX amperage A	Color	Diameter max mm	Length max mm	Cable size mm <sup>2</sup>	Code
12	2+1	25+5	Black	36	46	4	RE 58994



### COUPLING PLUG 7 POLES (RIGHT FOR BOAT TRUCKS)

In thermoplastic material. Screw connections.  
Pins in nickel-plated brass.

Voltage V	Poles n°	MAX amperage A	Color	Diameter max mm	Length max mm	Cable size mm <sup>2</sup>	Code
12	7	15	Black	36	46	2,5	RE 58997



### EXTERNAL SOCKET 7 POLES

In thermoplastic material.  
Screw connections. Pins in nickel-plated brass.

Voltage V	Poles n°	MAX amperage A	Color	Diameter max mm	Inlet max mm	Cable size mm <sup>2</sup>	Code
12	7	15	Black	72	58	2,5	RE 58996



### COUPLING PLUG 13 POLES (RIGHT FOR BOAT TRUCKS)

In thermoplastic material. Screw connections – Pins in brass.  
With cap.

Voltage V	Poles n°	MAX amperage A	Color	Diameter max mm	Length max mm	Cable size mm <sup>2</sup>	Code
12	13	10	Black	36	46	2,5	RE 58946



### EXTERNAL PLUG 13 POLES

In thermoplastic material.  
Screw connections – Pins in brass.

Voltage V	Poles n°	MAX amperage A	Color	Diameter max mm	Inlet max mm	Cable size mm <sup>2</sup>	Code
12	13	10	Black	72	58	2,5	RE 58947



### COMPACT ADAPTER 13 POLES PLUG + 7 POLES SOCKET

It turns a new 13 poles plug into an old 7 poles plug.  
Pins in nickel-plated brass – In polyamide – With cap.

Poles n° plug	Poles n° socket	Diameter	Length	Code
7	13	41 mm	55 mm	RE 58991



### COMPACT ADAPTER 13 POLES PLUG + 7 POLES SOCKET

It turns a new 13 poles plug into an old 7 poles plug.  
Pins in nickel-plated brass – In polyamide – With cap.

Poles n° plug	Poles n° socket	Diameter	Length	Code
13	7	36 mm	75 mm	RE 58990



### SEAL CONNECTORS

Golden hypertac contacts – Linear distribution on the contact.  
High power rating – Coupling plug fixed socket.



Poles n°	MAX amperage A	Socket diameter mm	Plug diameter mm	Code
3	12	43	36	RE 58978
5	12	43	36	RE 58980
6	12	43	36	RE 58981
9	12	43	36	RE 58982
7	12	43	36	RE 58933
8	12	43	36	RE 58934
10	12	43	36	RE 58935
12	12	43	36	RE 58936



### SEAL CONNECTORS 3A

Coupling plug fixed socket – ABS cover with screws – In chromed brass – Bronze contacts.

Poles n°	MAX amperage A	Socket diameter mm	Plug diameter mm	Code
2	3	42	35	RE 58932
3	3	42	35	RE 58931
4	3	42	35	RE 58930



### SEAL CONNECTORS 5A

Coupling plug fixed socket – ABS cover with screws – In chromed brass – Bronze contacts.

Poles n°	MAX amperage A	Socket diameter mm	Plug diameter mm	Code
2	5	52	45	RE 58952
3	5	52	45	RE 58951
4	5	52	45	RE 58950



**aber**  
marine

**BLUE SEA**  
SYSTEMS

**E-T-A**

**Quick**

**CARLINGSWITCH**

**CH**

**VIMAR**

**CBE**  
ELECTRONICS FOR LEISUREBOAT AND BOATING

**SCHLEGEL**  
ELEKTROKONTAKT

*Albright*  
INTERNATIONAL

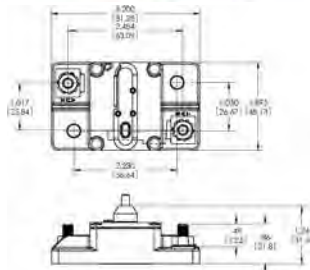
- Thermal circuit breakers
- Magnetic circuit breakers
- Differential blocks
- Overcurrent circuit breakers
- IP66 switches
- Toggle switches
- Rocker switches
- Button switches
- Key locked ignition switch
- Indicator lights
- Battery switches
- Rotary switches
- Relay - solenoids
- Remote control battery switches
- Fuses and fuse - holders
- Counters



### MAGNETOTHERMIC SHORT STOP

Designed for the nautical environment. Corrosion resistant. IP64 with protective cover. Stainless steel self-locking nuts. Side manual release button. Operating temperature range: -10°C+60°C.

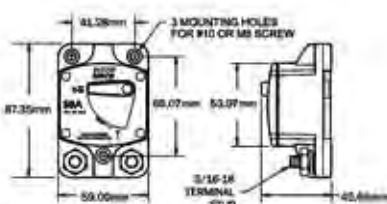
Amperage A	Interrupt rating A	Max voltage Vdc	Poles N°	Lenght mm	Width mm	Height mm	Studs mm	Code
10	2500	28	1	50,7	22,6	32,5	10	RE 60801
15	2500	28	1	50,7	22,6	32,5	10	RE 60802
20	2500	28	1	50,7	22,6	32,5	10	RE 60803
25	2500	28	1	50,7	22,6	32,5	10	RE 60804
30	2500	28	1	50,7	22,6	32,5	10	RE 60805
40	2500	28	1	50,7	22,6	32,5	10	RE 60806
50	2500	28	1	50,7	22,6	32,5	10	RE 60807



### CIRCUIT BREAKERS IP67

Designed for nautical application - Weather resistant. Combines switching and circuit breakers functions. Anti-explosion system. For installation aboard gasoline powered boats. Provides over current protection for windlasses. Operating temperature range: -40°C + 85°C. CE Certification.

Amperage A	Interrupt rating A	Max voltage Vdc	Poles N°	Lenght mm	Width mm	Height mm	Studs mm	Code
30	3000	48	1	81,28	48,13	31,5	6	RE 60301
40	3000	48	1	81,28	48,13	31,5	6	RE 60050
50	3000	48	1	81,28	48,13	31,5	6	RE 60043
70	3000	48	1	81,28	48,13	31,5	6	RE 60051
80	3000	48	1	81,28	48,13	31,5	6	RE 60045
100	3000	48	1	81,28	48,13	31,5	6	RE 60052
120	3000	48	1	81,28	48,13	31,5	6	RE 60046
150	3000	48	1	81,28	48,13	31,5	6	RE 60079

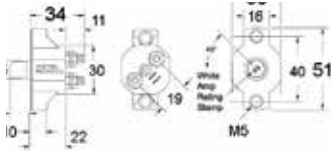


### HEAVY DUTY CIRCUIT BREAKERS IP66

Designed for nautical application. Waterproof. Bi-metal blade and large terminal studs. ON/OFF switch. Vibration protected. Anti-explosion system. Safe for installation aboard gasoline powered boats. Operating Temperature range: -25°C + 82°C. CE certifications.

Max power A	Interrupt rating A	Max voltage Vdc	Poles N°	Length mm	Width mm	Max height mm	Studs mm	Code
30	5000	48	1	87,35	59	45,64	8	RE 60378
40	5000	48	1	87,35	59	45,64	8	RE 60379
50	5000	48	1	87,35	59	45,64	8	RE 60380
70	5000	48	1	87,35	59	45,64	8	RE 60381
80	5000	48	1	87,35	59	45,64	8	RE 60382
100	5000	48	1	87,35	59	45,64	8	RE 60383
120	5000	48	1	87,35	59	45,64	8	RE 60384
150	5000	48	1	87,35	59	45,64	8	RE 60386
200	5000	48	1	87,35	59	45,64	8	RE 60355





## MEDIUM DUTY PUSH BUTTON RESET-ONLY CIRCUIT BREAKERS

Weatherproof  
Push to reset operation  
Mounting on 360 panels with two screws M10

PN	Operating amperage	Max voltage	CA	Interrupting capacity	Studs	Dimensions mm	Code
2138	15 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60306
2139	20 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60307
2140	30 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60308
2141	40 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60309
2142	50 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60310
2143	60 A	32 V	120	5000 A	M5	51 x 30 x 34	RE 60311



## SQUARE INLET CIRCUIT BREAKERS

Designed for nautical application - Weather resistant. Combines switching and circuit breakers functions. Anti-explosion system - For installation aboard gasoline powered boats Provides over current protection for windlasses. Operating temperature range: -40°C + 85°C - CE Certification.

Amperage A	Interrupt rating A	Max voltage Vdc	Poles N°	Hole spacing	Recessed width mm	Length mm	Studs mm	Code
40	3000	48	1	61,11 mm	39,10	48,10	6	RE 60089
50	3000	48	1	61,11 mm	39,10	48,10	6	RE 60090
70	3000	48	1	61,11 mm	39,10	48,10	6	RE 60091
80	3000	48	1	61,11 mm	39,10	48,10	6	RE 60085
100	3000	48	1	61,11 mm	39,10	48,10	6	RE 60092
120	3000	48	1	61,11 mm	39,10	48,10	6	RE 60086
150	3000	48	1	61,11 mm	39,10	48,10	6	RE 60093

RUBBER GASKET  
THERMAL SICRUIT BREAKER MOUNTING PANELS

RE 60093/G  
RE 61395



## HEAVY DUTY ROUND CASE CIRCUIT BREAKERS

Panel mount (Diameter hole 53,5 mm) - Designed for nautical application  
Waterproof - Bi-metal blade and large terminal studs  
ON/OFF switch - Vibration protected. Anti-explosion system - Safe for installation aboard gasoline powered boats. Operating Temperature range: -25°C + 82°C. CE certifications.

Amperage A	Interrupt rating A	Max voltage Vdc	Poles N°	Hole spacing mm	Recessed width mm	Inlet width mm	Studs mm	Code
40	5000	48	1	69,85	53,5	44,5	8	RE 60387
50	5000	48	1	69,85	53,5	44,5	8	RE 60388
70	5000	48	1	69,85	53,5	44,5	8	RE 60389
80	5000	48	1	69,85	53,5	44,5	8	RE 60390
100	5000	48	1	69,85	53,5	44,5	8	RE 60391
120	5000	48	1	69,85	53,5	44,5	8	RE 60392
150	5000	48	1	69,85	53,5	44,5	8	RE 60394
200	5000	48	1	69,85	53,5	44,5	8	RE 60356



# TOGGLE CIRCUIT BREAKERS



## TOGGLE CIRCUIT BREAKER SINGLE POLE

Round hole, panel mount. Dimensions: 50,80 x 19,05 mm.  
Black control lever. Mounting screw: 3mm.  
Terminal screw: 5mm.

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. screw mm	Code
5	1500	65	277	1	1x16	42,16	RE 60901
10	1500	65	277	1	1x16	42,16	RE 60902
15	1500	65	277	1	1x16	42,16	RE 60903
20	1500	65	277	1	1x16	42,16	RE 60904
25	1500	65	277	1	1x16	42,16	RE 60905
30	1500	65	277	1	1x16	42,16	RE 60906
40	1500	65	277	1	1x16	42,16	RE 60907
50	1500	65	277	1	1x16	42,16	RE 60908



## TOGGLE CIRCUIT BREAKER DOUBLE POLE (SINGLE CONTROL LEVER)

Dimensions: 50,80 x 38,10 mm.  
Black or white control lever - Mounting screw: 3mm. Terminal screw: 5mm.

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. screw mm	Code
10	1500	65	277	2	1x16	42,16	RE 60921
15	1500	65	277	2	1x16	42,16	RE 60922
20	1500	65	277	2	1x16	42,16	RE 60923
25	1500	65	277	2	1x16	42,16	RE 60924
30	1500	65	277	2	1x16	42,16	RE 60925
40	1500	65	277	2	1x16	42,16	RE 60919/40
50	1500	65	277	2	1x16	42,16	RE 60926



## TOGGLE CIRCUIT BREAKER DOUBLE POLE (DOUBLE CONTROL LEVER)

Dimensions: 50,80 x 38,10 mm.  
Black control lever - Mounting screw: 3mm. Terminal screw: 5mm.

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. hole mm	Inlet Dist. screw mm	Code
5	1500	65	277	2	2x16	19,05	42,16	RE 60915
10	1500	65	277	2	2x16	19,05	42,16	RE 60916
15	1500	65	277	2	2x16	19,05	42,16	RE 60910
25	1500	65	277	2	2x16	19,05	42,16	RE 60918
30	1500	65	277	2	2x16	19,05	42,16	RE 60911



## SINGLE POLE CIRCUIT BREAKER TOGGLE GUARD

Protects toggle circuit breakers from accidental switching

RE 60096

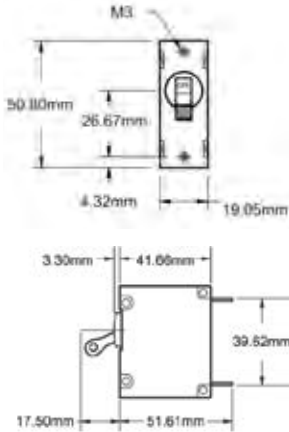
## DOUBLE POLE CIRCUIT BREAKER LOCKOUT SLIDE

Allows only 1 double pole AC circuit breaker to activated at a time.

For two double pole circuit breakers  
For three double pole circuit breakers

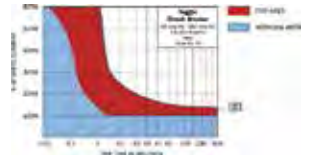
RE 61061  
RE 61062

# TOGGLE CIRCUIT BREAKERS



## TOGGLE CIRCUIT BREAKER SINGLE POLE

Round hole, panel mount  
Dimensions: 50,80 x 19,05 mm  
Black or white control lever  
Mounting screws: 3mm  
Terminal screws: 5mm



### WHITE CONTROL LEVER

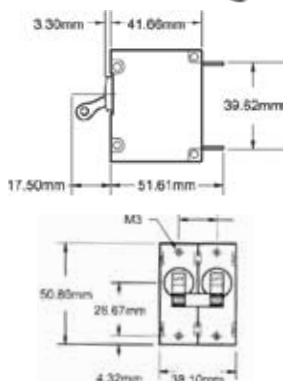
Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. screw mm	Code
5	1500	65	250	1	16	42,16	RE 60053
10	1500	65	250	1	16	42,16	RE 60054
15	1500	65	250	1	16	42,16	RE 60055
20	1500	65	250	1	16	42,16	RE 60056
25	1500	65	250	1	16	42,16	RE 60057
30	1500	65	250	1	16	42,16	RE 60058
40	1500	65	250	1	16	42,16	RE 60059
50	1500	65	250	1	16	42,16	RE 60060

### BLACK CONTROL LEVER

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. screw mm	Code
5	1500	65	250	1	16	42,16	RE 60053/N
10	1500	65	250	1	16	42,16	RE 60054/N
15	1500	65	250	1	16	42,16	RE 60055/N
20	1500	65	250	1	16	42,16	RE 60056/N
25	1500	65	250	1	16	42,16	RE 60057/N
30	1500	65	250	1	16	42,16	RE 60058/N
40	1500	65	250	1	16	42,16	RE 60059/N
50	1500	65	250	1	16	42,16	RE 60060/N

## TOGGLE CIRCUIT BREAKER DOUBLE POLE

Round hole, panel mount. Dimensions: 50,80 x 38,10 mm.  
Black or white control lever.  
Mounting screw: 3mm. Terminal screw: 5mm



### WHITE CONTROL LEVER

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. hole mm	Inlet Dist. screw mm	Code
10	1500	65	250	2	2x16	19,05	42,16	RE 60303
15	1500	65	250	2	2x16	19,05	42,16	RE 60061
20	1500	65	250	2	2x16	19,05	42,16	RE 60304
30	1500	65	250	2	2x16	19,05	42,16	RE 60062
40	1500	65	250	2	2x16	19,05	42,16	RE 60305
50	1500	65	250	2	2x16	19,05	42,16	RE 60037

### BLACK CONTROL LEVER

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole mm	Inlet Dist. hole mm	Inlet Dist. screw mm	Code
10	1500	65	250	2	2x16	19,05	42,16	RE 60303/N
15	1500	65	250	2	2x16	19,05	42,16	RE 60061/N
20	1500	65	250	2	2x16	19,05	42,16	RE 60304/N
30	1500	65	250	2	2x16	19,05	42,16	RE 60062/N
40	1500	65	250	2	2x16	19,05	42,16	RE 60305/N
50	1500	65	250	2	2x16	19,05	42,16	RE 60037/N

# TOGGLE CIRCUIT BREAKERS



## SINGLE POLE TOGGLE CIRCUIT BREAKERS

Rectangular mounting aperture – High interrupting rating – Dimensions: 63,5 x 19,05mm  
White control lever – Switching cycles 10.000 – Mounting screws 3mm  
Strong terminal studs with 6 mm bolts

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
10	5000	80	250	1	36,78	19,05	52,37	RE 60372
15	5000	80	250	1	36,78	19,05	52,37	RE 60373
20	5000	80	250	1	36,78	19,05	52,37	RE 60374
30	5000	80	250	1	36,78	19,05	52,37	RE 60395
50	5000	80	250	1	36,78	19,05	52,37	RE 60176
60	5000	80	250	1	36,78	19,05	52,37	RE 60177
80	5000	80	250	1	36,78	19,05	52,37	RE 60178
100	5000	80	250	1	36,78	19,05	52,37	RE 60179



## DC DOUBLE POLE TOGGLE CIRCUIT BREAKERS (ONE POLE TRIP)

Rectangular mounting aperture. One pole trips. High interrupting rating. Dimensions: 63,5 x 38,10mm.  
White control lever. Switching cycles 10.000. Mounting screws 3mm.  
Strong terminal studs with 8 mm bolt.

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
150	5000	65	NO	1***	36,78	38,10	52,37	RE 60180
175	5000	65	NO	1***	36,78	38,10	52,37	RE 60181
200	5000	65	NO	1***	36,78	38,10	52,37	RE 60182



## AC DOUBLE POLE TOGGLE CIRCUIT BREAKERS

Rectangular mounting aperture. High interrupting rating. Dimensions: 63,5 x 38,10mm.  
White control lever. Mounting screws 3mm.  
Strong terminal studs with 6 mm bolt.



Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
50	5000	NO	250	2	36,78	38,10	52,37	RE 60183
60	5000	NO	250	2	36,78	38,10	52,37	RE 60143
80	5000	NO	250	2	36,78	38,10	52,37	RE 60184
100	5000	NO	250	2	36,78	38,10	52,37	RE 60185

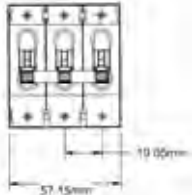


## DOUBLE POLE AC CIRCUIT BREAKER LOCKOUT SLIDE

Allows only 1 of a pair of double pole AC circuit breakers to be activated at a time  
For two double pole circuit breakers

RE 60396

# TOGGLE CIRCUIT BREAKERS



## DC TRIPLE POLE TOGGLE CIRCUIT BREAKERS (ONE POLE TRIP)

Rectangular mounting aperture. One pole trips. Output for shunt.  
High interrupting rating. Dimensions: 63,5 x 57,53mm.  
White control lever.  
Mounting screws 3mm.  
Strong terminal studs with 8 mm bolt.

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
250	5000	65	NO	1***	36,78	57,15	52,37	RE 60186
300	5000	65	NO	1***	36,78	57,15	52,37	RE 60187



## AC TRIPLE POLE TOGGLE CIRCUIT BREAKERS

Rectangular mounting aperture. High interrupting rating. Dimensions: 63,5 x 57,15mm  
White control lever. Mounting screws 3mm.  
Strong terminal studs with 6 mm bolts.

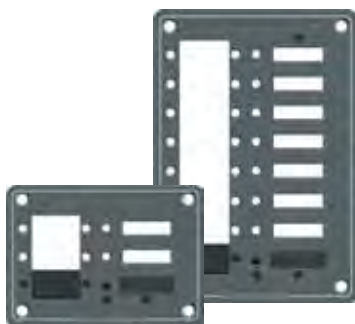
Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
50	5000	NO	250	3	36,78	57,15	52,37	RE 60188
60	5000	NO	250	3	36,78	57,15	52,37	RE 60200
80	5000	NO	250	3	36,78	57,15	52,37	RE 60189
100	5000	NO	250	3	36,78	57,15	52,37	RE 60190



## CIRCUIT BREAKER MOUNTING SCREWS

Sold in packages of 6 pcs

RE 61017



## PANELS FOR CIRCUIT BRAKERS - C SERIES

Free Positions	Dimension mm	Code
3	133,35x95,25	RE 61115
8	133,35x190,50	RE 61116



## TRIPLE POLE AC CIRCUIT BREAKER LOCKOUT SLIDE

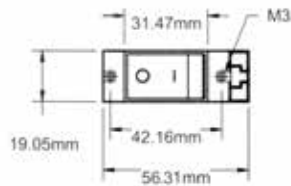
Allows only 1 of a pair of triple pole AC circuit breakers to be activated at a time  
For two triple pole circuit breakers.

RE 60397

# ROCKER CIRCUIT BREAKERS



**A SERIES**

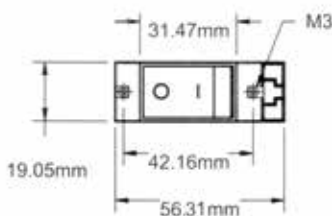


**SINGLE POLE "SLOT RESET" ROCKER CIRCUIT BREAKER**

Reduces the risk of accidentally switching  
Can be turned off by inserting small screw driver into slot  
Right for 24 hour circuit  
International ON and OFF symbol Support vertical and horizontal mounting  
Mounting screw: 3mm – Terminal screw: 5mm 30° angled

Amperage A	Interrupt rating A	Max volt Vdc	Max volt Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
5	1500	32	250	1	32	19,05	42,16	RE 60428
10	1500	32	250	1	32	19,05	42,16	RE 60429
15	1500	32	250	1	32	19,05	42,16	RE 60430
20	1500	32	250	1	32	19,05	42,16	RE 60431
25	1500	32	250	1	32	19,05	42,16	RE 60432
50	1500	32	250	1	32	19,05	42,16	RE 60435

**A SERIES**

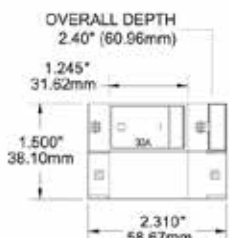


**SINGLE POLE "FLAT" ROCKER CIRCUIT BREAKER AC/DC**

Reduces the risk of accidentally switching  
Right for 24 hour circuit  
Support vertical and horizontal mounting  
International ON and OFF symbol  
Mounting screw: 3mm – Terminal screw: 5mm 30° angled

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
5	1500	32	250	1	32	19,05	42,16	RE 60420
10	1500	32	250	1	32	19,05	42,16	RE 60421
15	1500	32	250	1	32	19,05	42,16	RE 60422
20	1500	32	250	1	32	19,05	42,16	RE 60423
25	1500	32	250	1	32	19,05	42,16	RE 60424
30	1500	32	250	1	32	19,05	42,16	RE 60425
40	1500	32	250	1	32	19,05	42,16	RE 60426
50	1500	32	250	1	32	19,05	42,16	RE 60427

**A SERIES**



**DOUBLE POLE "FLAT" ROCKER CIRCUIT BREAKER AC/DC**

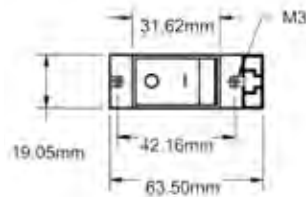
Mechanical parts and contact like the toggle switches  
Red actuator indicates "on" position  
International ON and OFF symbol  
Easy to install with standard rectangular opening  
Mounting screw: 3mm - Terminal screw: 5mm

Amperage A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
10	2000	80	250	2	32	38,1	42,16	RE 60199
15	2000	80	250	2	32	38,1	42,16	RE 60100
20	2000	80	250	2	32	38,1	42,16	RE 60101
30	2000	80	250	2	32	38,1	42,16	RE 60102
40	2000	80	250	2	32	38,1	42,16	RE 60104
50	2000	80	250	2	32	38,1	42,16	RE 60107

# ROCKER CIRCUIT BREAKERS



**C SERIES**



## SINGLE POLE "FLAT" ROCKER CIRCUIT BREAKER AC/DC

Reduces the risk of accidentally switching  
Right for 24 hour circuit - Support vertical and horizontal mounting  
International ON and OFF symbol  
Easy to install with standard rectangular opening  
Mounting screw: 3mm - Strong contacts thanks to 6.3mm bolts

Amperage A	Interrupt rating A	Max volt Vdc	Max volt Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
5	1500	32	250	1	32	19,05	42,16	RE 60414
10	1500	32	250	1	32	19,05	42,16	RE 60415
15	1500	32	250	1	32	19,05	42,16	RE 60416
20	1500	32	250	1	32	19,05	42,16	RE 60417
30	1500	32	250	1	32	19,05	42,16	RE 60418
50	1500	32	250	1	32	19,05	42,16	RE 60419
60	1500	32	250	1	32	19,05	42,16	RE 60436
80	1500	32	250	1	32	19,05	42,16	RE 60437
100	1500	32	250	1	32	19,05	42,16	RE 60438

**C SERIES**



## DOUBLE POLE "FLAT" ROCKER CIRCUIT BREAKER

Reduces the risk of accidentally switching – Interruption of 1 single pole\*\*\*  
Right for 24 hour circuit - Support vertical and horizontal mounting  
International ON and OFF symbol  
Easy to install with standard rectangular opening  
Mounting screw: 3mm – Strong contacts thanks to 6.3mm bolts

AC VERSIONS	Amperage A	Interrupt rating A	Max volt V	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
	30	5000	250	1***	32	38,1	42,16	RE 60312
50	5000	250	1***	32	38,1	42,16	RE 60313	
80	5000	250	1***	32	38,1	42,16	RE 60318	
100	5000	250	1***	32	38,1	42,16	RE 60324	

DC VERSIONS	Amperage A	Interrupt rating A	Max volt V	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
	150	5000	48	1***	32	38,1	42,16	RE 60439
200	5000	48	1***	32	38,1	42,16	RE 60440	

**C SERIES**



## TRIPLE POLE "FLAT" ROCKER CIRCUIT BREAKER AC/DC

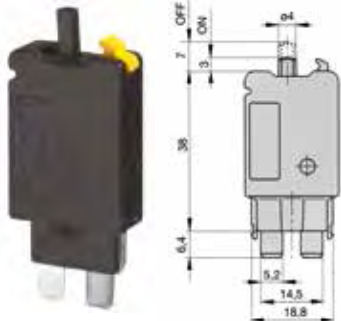
Reduces the risk of accidentally switching – Interruption of 1 single pole\*\*\*  
Right for 24 hour circuit - Support vertical and horizontal mounting  
International ON and OFF symbol  
Easy to install with standard rectangular opening  
Mounting screw: 3mm - Strong contacts thanks to 6.3mm bolts

AC VERSIONS	Amperage A	Interrupt rating A	Max volt Vdc	Max volt Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
	50	5000	NO	240	1***	32	57,15	42,16	RE 60433
100	5000	NO	240	1***	32	57,15	42,16	RE 60434	

DC VERSIONS	Amperage A	Interrupt rating A	Max volt Vdc	Max volt Vac	Poles N°	Inlet hole Length mm	Width mm	Inlet Dist. screw mm	Code
	250	5000	48	NO	1***	32	57,15	42,16	RE 60472
300	5000	48	NO	1***	32	57,15	42,16	RE 60500	

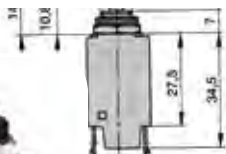
# OVERCURRENT CIRCUIT BREAKERS



## THERMAL CIRCUIT BREAKER

Snap action mechanism and separate manual release  
Operating temperature: -30°C + 60°C  
Blade terminal for Unival fuse-holders

Current rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Max width mm	Temperature rating °C	Code
5	400	28	240	1	11	-30 +60	RE 60441
10	400	28	240	1	11	-30 +60	RE 60442
15	400	28	240	1	11	-30 +60	RE 60443
20	400	28	240	1	11	-30 +60	RE 60444
25	400	28	240	1	11	-30 +60	RE 60445



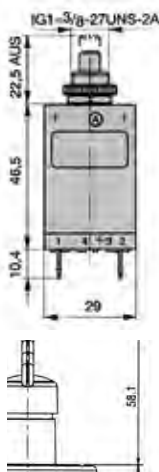
## THERMAL OVERCURRENT CIRCUIT BREAKER

Miniaturised single pole thermal circuit breaker  
Approved to CBE standard EN 60934  
Operating temperature: -20°C + 60°C. Threadneck mounting. Fast on connections

Current rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Max width mm	Temperature rating °C	Code
4	2000	48	240	1	19x41,5x11	-20 +60	RE 60446
6	2000	48	240	1	19x41,5x11	-20 +60	RE 60447
8	2000	48	240	1	19x41,5x11	-20 +60	RE 60448
10	2000	48	240	1	19x41,5x11	-20 +60	RE 60449
12	2000	48	240	1	19x41,5x11	-20 +60	RE 60450
16	2000	48	240	1	19x41,5x11	-20 +60	RE 60451

Water splash cover/knurled nut assembly, transparent with O ring (IP64)

RE 60499



## SINGLE POLE THERMAL OVERCURRENT CIRCUIT BREAKERS

Snap action mechanism with manual release feature  
Push to release/push to reset  
Approved to CBE standard EN 60934  
M12x1 moulded threadneck  
Degree of protection: IP40 (operating area)  
Screw terminals M4x6

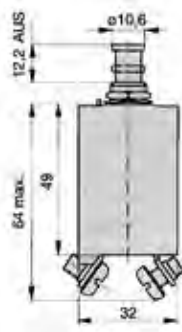
Current rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Max width mm	Temperature rating °C	Code
3	60	28	250	1	29x14,5x46,5	-20 +60	RE 60325
5	100	28	250	1	29x14,5x46,5	-20 +60	RE 60326
10	200	28	250	1	29x14,5x46,5	-20 +60	RE 60327
15	400	28	250	1	29x14,5x46,5	-20 +60	RE 60328
20	400	28	250	1	29x14,5x46,5	-20 +60	RE 60329
25	400	28	250	1	29x14,5x46,5	-20 +60	RE 60330

Water splash cover/knurled nut assembly, transparent with O ring (IP64).  
Water splash cover/knurled nut assembly, black with O ring (IP66)

RE 60331  
RE 60452



# OVERCURRENT CIRCUIT BREAKERS



## HIGH PERFORMANCE THERMAL CIRCUIT BREAKERS

Perfect for protecting motors- PUSH-PULL manual actuation  
High interrupting capacity – M12x1 threadneck panel mounting  
Current rating value visible on the switch – Protection degree: IP40 (operating area)  
M6 Screw terminals inclined up to 35° towards the interior side

Current rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Dimensions mm	Temperature rating °C	Inlet hole mm	Code
30	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60332
40	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60333
50	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60334
60	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60335
70	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60336
80	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60453
90	6000	28	NO	1	32x18,5x49	-55+75	12	RE 60454



Water splash transparent cover nut assembly. RE 60337

Water splash transparent cover/hex nut assembly with O ring (IP66). RE 60340



## HIGH PERF. SINGLE POLE MAGNETIC CIRCUIT BREAKERS

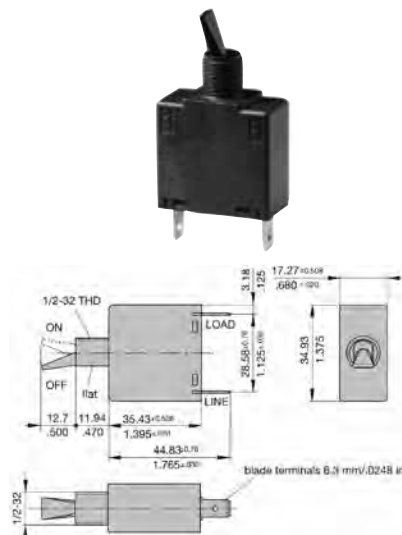
Perfect for protecting motors. PUSH-PULL manual actuation. High interrupting capacity  
M12x1 threadneck panel mounting. Current rating value visible on the switch  
Degree of protection: IP40 (operating area). M6 Screw terminals inclined up to 45° towards the interior side

Current rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Poles N°	Dimensions mm	Temperature rating °C	Inlet hole mm	Code
80	6000	28	NO	1	57x19x52	-55+75	12	RE 60338
100	6000	28	NO	1	57x19x52	-55+75	12	RE 60339



Water splash transparent cover nut assembly. RE 60337

Water splash transparent cover/hex nut assembly with O ring (IP66). RE 60340

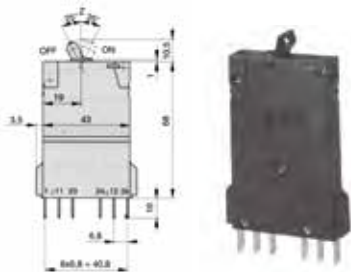


## HYDRAULIC-MAGNETIC DOUBLE POLES CIRCUIT BREAKERS

Designed for nautical application. Weather resistant. Moulded threadneck.  
PUSH-PULL manual actuation.  
Reliable switching. Faston terminals. CE certification.

Interrupt rating A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Protected poles N°	Dimensions mm	Temp. rating °C	Inlet hole mm	Code
5	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60006/M
10	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60007/M
15	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60008/M
20	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60009/M
25	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60010/M
30	1000	80	125/250	1	35,43x34,93x17,27	-40+85	12	RE 60011/M

# OVERCURRENT CIRCUIT BREAKERS



## THERMAL-MAGNETIC CIRCUIT BREAKER

Toggle actuation  
Designed for panel or plug-in mounting  
Trip-free mechanism  
Faston terminals

Amperage power A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Protected poles N°	Max dimensions mm	Code
5	400	50	240	1	48,3x11x88	RE 60461
10	400	50	240	1	48,3x11x88	RE 60462
16	400	50	240	1	48,3x11x88	RE 60463
20	400	50	240	1	48,3x11x88	RE 60464
25	400	50	240	1	48,3x11x88	RE 60465



## SINGLE POLE HIGH PERFORMANCE THERMAL - MAGNETIC CIRCUIT BREAKERS

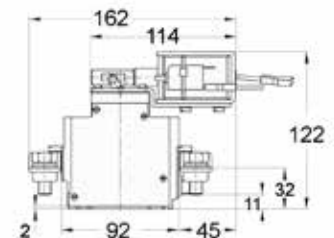
Toggle actuation  
Perfect for protecting motors and generator  
Designed for rail mounting  
High interrupt capacity  
Operating temperature: -20°C+60°C  
Auxiliary contacts (1 NC and 1NO)

Nominal current A	Interrupt rating A	Max voltage Vdc	Max voltage Vac	Protected poles N°	Max dimensions mm	Size screw mm	Code
16	5000	110	240	1	92x22x106	5	RE 60466
32	5000	110	240	1	92x22x106	5	RE 60467
63	5000	110	240	1	92x22x106	6	RE 60468
80	5000	110	240	1	92x22x106	6	RE 60469
100	5000	110	240	1	92x22x106	6	RE 60470
125	5000	110	240	1	92x22x106	6	RE 60471



## SINGLE POLE BATTERY ISOLATION SWITCHES

This single pole battery allows the ON/OFF switching when the battery and the network on board  
High insulation resistance  
Reliable switching  
Includes auxiliary contacts  
Operating temperature: -40°C+75°C  
Made in Germany



Type	Voltage rating	Current rating	Switching capacity	Dimensions mm	Coil absorption FA FE	Studs Ø	Weight Kg	Code
Single pole	12 V	240 A	2500 A	162 x 93 x 122	30 A 18 A	M 10	1,3	RE 60515
Single pole	24 V	240 A	2500 A	162 x 93 x 122	15 A 12 A	M 10	1,3	RE 60516

# OVERCURRENT CIRCUIT BREAKERS

## C60H SWITCH FOR DIN

Type: magnetic circuit breaker trip-free – tropicalized : 2nd level (Humidity at 95% at 55° C).  
Intervention Curve C (CEI EN 60947-2 CEI 60898 CEI 23-3).



**ONE POLE**

Power A	Poles N°	Interrupt. Power	Modules of 9 mm	Voltage V/AC	Minimum volt. AC/DC	Cable dim. MAX mm	Code
6	1	10000	2	230/400	12V	16	RE 60348
10	1	10000	2	230/400	12V	16	RE 60349
16	1	10000	2	230/400	12V	16	RE 60350
20	1	10000	2	230/400	12V	16	RE 60351
25	1	10000	2	230/400	12V	16	RE 60352
32	1	10000	2	230/400	12V	25	RE 60353
40	1	10000	2	230/400	12V	25	RE 60354
50	1	10000	2	230/400	12V	25	RE 60377
63	1	10000	2	230/400	12V	25	RE 60386



**DOUBLE POLE**

Power A	Poles N°	Interrupt. Power	Modules of 9 mm	Voltage V/AC	Minimum volt. AC/DC	Cable dim. MAX mm	Code
6	2	10000	4	230/400	12V	16	RE 60284
10	2	10000	4	230/400	12V	16	RE 60285
16	2	10000	4	230/400	12V	16	RE 60286
20	2	10000	4	230/400	12V	16	RE 60287
25	2	10000	4	230/400	12V	16	RE 60288
32	2	10000	4	230/400	12V	25	RE 60289
40	2	10000	4	230/400	12V	25	RE 60362
50	2	10000	4	230/400	12V	25	RE 60365
63	2	10000	4	230/400	12V	25	RE 60393



## DIFFERENTIAL BLOCK AC CLASS

To combine with double pole switch C60H – protection against sudden springs  
Protects against temporary overvoltages and overcharges and against direct or indirect contacts (30mA)

Types	Modules of 9mm	Voltage V/AC	Sensibility mA at 50 Hz	Cable dim. MAX mm	Switches Compatibility	Code
2 poli	3	200/415	30	16	da 6A a 25A	RE 60290
2 poli	4	200/415	30	25	32A	RE 60291



**SINGLE POLE**

## C 120N SWITCH FOR DIN

Type: unhooker magnetic circuit breaker.

Power A	Poles N°	Interrupt. Power	Modules In 9mm	Voltage V/AC	Minimum volt. AC/DC	Cable dim. MAX mm	Code
80	1	10000	3	230/400	12	35	RE 60292
100	1	10000	3	230/400	12	35	RE 60293
125	1	10000	3	230/400	12V	35	RE 60376

**DOUBLE POLE**

Power A	Poles N°	Interrupt. Power	Modules In 9mm	Voltage V/AC	Minimum volt. AC/DC	Cable dim. MAX mm	Code
80	2	10000	6	230/400	12	35	RE 60294
100	2	10000	6	230/400	12	35	RE 60295
125	2	10000	6	230/400	12	35	RE 60296



## DIFFERENTIAL BLOCK AC CLASS

To combine with double pole switch C 120N – protection against sudden springs  
Protects against overvoltages and overcharges and against indirect contacts (30mA)  
Complementary protection against direct contacts (30mA)

Types	Modules of 9mm	Voltage V/AC	Sensibility mA at 50 Hz	Cable dim. MAX mm	Switches Compatibility	Code
2 poles	7	200/415	30	16	80A to 125A	RE 60297



### CONTURA III SWITCHES

Included grey rocker switch actuator (black on request).  
Degree of protection: IP68. Base in thermoplastic polycarbonate.  
Silver cad-oxide contacts. Silver plate brass terminals. Vibration and UV resistant.  
Temperature rating:-40°C +85°C.  
Thermoshock resistant, for installation aboard gasoline powered boat.



### INTERRUTTORI UNIPOLARI TASTO GRIGIO

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 12V-24V	Actuator color	Symbol	Faston number	Led number	Code
Momentary*	12-24V	ON* - OFF - ON*	Single pole	20A-15A	Grey	NO	3	0	RE 60109
Momentary*	12-24V	ON* - OFF - ON	Single pole	20A-15A	Grey	NO	4	1	RE 60110
Stable	12-24V	ON - OFF - ON	Single pole	20A-15A	Grey	NO	4	2	RE 60111
Momentary*	12-24V	OFF - ON*	Single pole	20A-15A	Grey	NO	2	0	RE 60112
Stable	12-24V	OFF - ON	Single pole	20A-15A	Grey	NO	3	1	RE 60113

### DOUBLE POLE SWITCHES (GREY ACTUATOR)

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 12V-24V	Actuator color	Symbol	Faston number	Led number	Code
Momentary*	12-24V	ON* - OFF - ON*	Double pole	20A-15A	Grey	NO	6	0	RE 60341
Momentary*	12-24V	ON* - OFF - ON	Double pole	20A-15A	Grey	NO	7	1	RE 60342
Stable	12-24V	ON - OFF - ON	Double pole	20A-15A	Grey	NO	7	2	RE 60343
Momentary*	12-24V	OFF - ON*	Double pole	20A-15A	Grey	NO	4	0	RE 60344
Stable	12-24V	OFF - ON	Double pole	20A-15A	Grey	NO	5	1	RE 60345
Stable	12-24V	ON - ON	Double pole	20A-15A	Grey	NO	7	2	RE 60475

### CONTURA ACTUATOR BLACK OR GREY



### CONTURA SWITCHES MOUNTING PANELS

Panel thicknesses: from 0.76mm to 4.76mm



Description	Dimensions external mm	Dimensions internal mm	Recessed dimens. mm	Picture n°	Pack pcs	Code
frame left/right	59x31	37x21	48x26	1	1	RE 60209
Central frame	59x28	37x21	48x28	2	1	RE 60210
Single frame	59x34	37x21	48x24	3	1	RE 60211
Cover cap	48x24	37x21	37x21	4	1	RE 60212
3-seat frame	88x59	3x(37x21)	77x48	5	1	RE 60957
6-seat frame	167x59	6x(37x21)	156x48	6	1	RE 60232



**RE 60940**

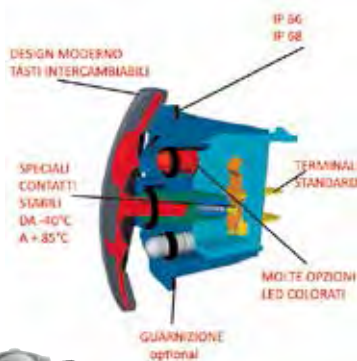


**RE 60939**



## CARLING CONTURA SWITCHES

ONLY ROCKER SWITCHES WITH 1 LED RED.  
Black rocker switch actuator not included.  
Degree of protection: IP68.  
Base in thermoplastic polycarbonate.  
Silver cad-oxide contacts. Silver plate brass terminals.  
Vibration and UV resistant.  
Temperature rating: -40°C +85°C.  
Mounting hole 38,83 x 21,08mm.  
Amperage operating current 18mA.  
Thermoshock resistant, for installation aboard gasoline powered boat.



## BLACK ACTUATORS SYMBOLS

1		RE 60934	18		RE 60935
2		RE 60943	19		RE 60933
3		RE 60944	20		RE 60937
4		RE 60932	21		RE 60913
5		RE 60945	22		RE 60940
6		RE 60946	23		-
7		RE 60947	24		RE 60939
8		RE 60941	25		RE 60958
9		RE 60936	26		-
0		RE 60942	27		-
1		RE 60948	28		-
2		RE 60949	29		-
3		RE 60950	30		RE 60970
14		RE 60938	31		RE 60971
15		RE 60959	32		-
16		RE 60909	33		RE 60973
17		RE 60968	34		-

## SINGLE POLE SWITCHES 12V (1 RED LED - NO ACTUATOR)

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 12V	Black actuator 1 lens	LED Color	LED number	Code
Momentary*	12V	ON*- OFF - ON*	Single pole	20A	On request	Red	1	RE 60980
Momentary*	12V	ON*- OFF - ON	Single pole	20A	On request	Red	1	RE 60981
Stable	12V	ON - OFF - ON	Single pole	20A	On request	Red	1	RE 60982
Momentary*	12V	OFF - ON*	Single pole	20A	On request	Red	1	RE 60983
Stable	12V	OFF - ON	Single pole	20A	On request	Red	1	RE 60984

## SINGLE POLE SWITCHES 24V (1 RED LED - NO ACTUATOR)

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 24V	Black actuator 1 lens	LED Color	LED number	Code
Momentary*	24V	ON*- OFF - ON*	Single pole	15A	On request	Red	1	RE 60985
Momentary*	24V	ON*- OFF - ON	Single pole	15A	On request	Red	1	RE 60986
Stable	24V	ON - OFF - ON	Single pole	15A	On request	Red	1	RE 60987
Momentary*	24V	OFF - ON*	Single pole	15A	On request	Red	1	RE 60988
Stable	24V	OFF - ON	Single pole	15A	On request	Red	1	RE 60989



## UNIVERSAL CONNECTORS

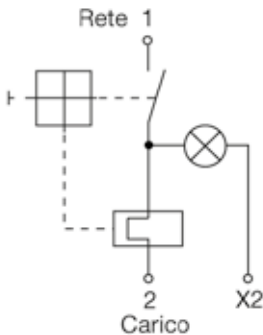
Faston connections are easier  
It allows to cable the wiring and quickly replace the switches  
Female terminals are not furnished

Faston position n°	Length mm	Height mm	Width mm	Color	Pack pcs	Code
8x6,3	29,8	19,5	24,2	Black	10	RE 60473

# THERMAL CIRCUIT BREAKER/SWITCH

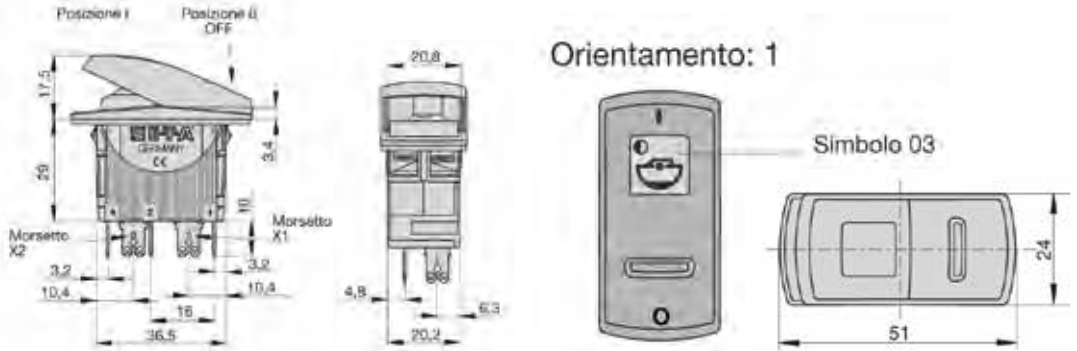


Neutral bascule RE 60898



## THERMAL CIRCUIT BREAKER/SWITCH SERIES 3131

Combination of single pole circuit breaker and ON/OFF switch  
 Motor, transformer and electrical tools protection  
 Voltage rating: AC240V; DC28V  
 Soft-touch rocker actuation. Degree of protection: IP66  
 Contacts in silver – F6,3 silver brass terminals. Vibration and UV resistant  
 Operating temperature: -20°C+60°C – Mounting hole 36,83 x 21,08 – Led consumption: 18mA  
 The actuator must be ordered separately



## SINGLE POLE THERMAL CIRCUIT BREAKER/SWITCH 12V

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 12V	Black actuator	Faston number	LED number	Code
Stable	12V	OFF-ON	Single pole	3A	On request	4	1 Yellow	RE 60456/12
Stable	12V	OFF-ON	Single pole	8A	On request	4	1 Yellow	RE 60457/12
Stable	12V	OFF-ON	Single pole	12A	On request	4	1 Yellow	RE 60458/12
Stable	12V	OFF-ON	Single pole	16A	On request	4	1 Yellow	RE 60459/12
Stable	12V	OFF-ON	Single pole	20A	On request	4	1 Yellow	RE 60460/12

## SINGLE POLE THERMAL CIRCUIT BREAKER/SWITCH 24V

Electric contact	Voltage rating	Action	Contacts n°	Max amperage 24V	Black actuator	Faston number	LED number	Code
Stable	24V	OFF-ON	Single pole	3A	On request	4	1 Yellow	RE 60456/24
Stable	24V	OFF-ON	Single pole	8A	On request	4	1 Yellow	RE 60457/24
Stable	24V	OFF-ON	Single pole	12A	On request	4	1 Yellow	RE 60458/24
Stable	24V	OFF-ON	Single pole	16A	On request	4	1 Yellow	RE 60459/24
Stable	24V	OFF-ON	Single pole	20A	On request	4	1 Yellow	RE 60460/24

01		RE 60870
02		RE 60871
03		RE 60872
04		RE 60873
05		RE 60874
06		RE 60875
07		RE 60876

08		RE 60877
09		RE 60878
10		RE 60879
11		RE 60880
12		RE 60881
13		RE 60882
14		RE 60883

15		RE 60884
16		RE 60885
17		RE 60886
18		RE 60887
19		RE 60888
20		RE 60889
21		RE 60890

22		RE 60891
23		RE 60892
24		RE 60893
25		RE 60894
26		RE 60895
27		RE 60896
28		RE 60897



## CARLING SWITCHES

Switches for watertight panels by Blue Sea Systems (I.E. RE 61127, ECT)  
 Nichel brass  
 10A 250V, 15A 125V, AC and 15A 12V DC

Action	Electric contact	Model	Terminals N°	Contacts Types	Dimensions mm	Inlet hole	Panel Tickness	Code
ON - OFF - ON**	Momentary**	Dip switch	3	Faston	28,80x16,10x17,02	9,65 mm	1-11 mm	RE 60709
OFF --- ON	Stable	Switch	2	Faston	28,80x16,10x17,02	9,65 mm	1-11 mm	RE 60715
OFF --- ON**	Momentary**	Switch	2	Faston	28,80x16,10x17,02	9,65 mm	1-11 mm	RE 60716
ON - OFF - ON	Stable	Dip switch	3	Faston	28,80x16,10x17,02	9,65 mm	1-11 mm	RE 60717
ON** - OFF - ON**	Momentary**	Dip switch	3	Faston	28,80x16,10x17,02	9,65 mm	1-11 mm	RE 60718
ON - OFF - ON	Stable	Dip switch	6	Faston	28,70x17,53x27,69	9,65 mm	1-11 mm	RE 60719



## CAP IN SYNTHETIC RUBBER (IP67)

Cover cap with threaded ring nut in nickel brass.  
 This protection makes the toggle switches completely watertight.

RE 60018

## FEME TOGGLE SWITCHES

Silver contacts – Toggle and compass in nickel-plated brass  
 Body in phenolic resistant to current and flame – Max voltage: 250Vac; 30Vdc - Power 15A  
 Operating temperature: -25°C +55°C – Degree of protection IP40 (without cap)  
 Degree of protection: IP67 with watertight cap

### SINGLE POLE TERMINALS



Action	Electric contact	Model	Terminals N°	Contacts Types	Dimensions mm	Inlet hole	Panel Tickness	Code
OFF --- ON	Stable	Switch	2	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60005V
ON --- ON	Stable	Shunter	3	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60006V
ON - OFF - ON	Stable	Dip switch	3	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60007V
ON** - --- OFF	Momentary**	Switch	2	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60009V
ON** - OFF - ON**	Momentary**	Dip switch	3	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60011V
ON** - OFF - ON	Momentary**	Dip switch	3	Screw	29,5x14x26	12 mm	1 - 6 mm	RE 60044V
OFF --- ON	Stable	Switch	2	Faston	29,5x14x26	12 mm	1 - 6 mm	RE 60005F
ON --- ON	Stable	Shunter	3	Faston	29,5x14x26	12 mm	1 - 6 mm	RE 60006F
ON - OFF - ON	Stable	Dip switch	3	Faston	29,5x14x26	12 mm	1 - 6 mm	RE 60007F
ON** - --- OFF	Momentary**	Switch	2	Faston	29,5x14x26	12 mm	1 - 6 mm	RE 60009F
ON** - OFF - ON**	Momentary**	Dip switch	3	Faston	29,5x14x26	12 mm	1 - 6 mm	RE 60011F

### DOUBLE POLE TERMINALS



Action	Electric contact	Model	Terminals N°	Contacts Types	Dimensions mm	Inlet hole	Panel Tickness	Code
ON --- ON	Stable	Shunter	6	Screw	35x20x27	12 mm	1 - 6 mm	RE 60082V
OFF --- ON	Stable	Switch	4	Screw	35x20x27	12 mm	1 - 6 mm	RE 60000V
ON - OFF - ON	Stable	Dip switch	6	Screw	35x20x27	12 mm	1 - 6 mm	RE 60012V
ON --- ON	Stable	Shunter	6	Faston	30x25x27	12 mm	1 - 6 mm	RE 60082F
ON - OFF - ON	Stable	Dip switch	6	Faston	30x25x27	12 mm	1 - 6 mm	RE 60012F
ON** - OFF - ON**	Momentary**	Dip switch	6	Faston	30x25x27	12 mm	1 - 6 mm	RE 60013F

# PUSH-PULL SWITCHES



## PUSH-PULL SWITCHES

Body in chromed brass - Long neck.

Positions	Amperage	Voltage	Terminals	Inlet hole	Panel Thickness	Max depth	Plastic switch	Code
0-1	5A	12VDC	2 screws	9 mm	5-22 mm	56 mm	Chromed	RE 60002
0-1-2	5A	12VDC	3 screws	9 mm	5-22 mm	72 mm	Chromed	RE 60001



## MICRO PUSH BUTTON SWITCH

To use only indoor.

Power	Voltage	Contact	Type	Terminals	Hole	Panel Thickness	Code
1A	12V	NO	Button	Soldered wires	7 mm	1-2 mm	RE 01020
3A	12V	NO	Button	Soldered wires	10 mm	1-3 mm	RE 01021
3A	12V	NO	Switch	Soldered wires	10 mm	1-3 mm	RE 01022



## PUSH BUTTON SWITCH

In brass and chromed brass, corrosion resistant - long neck for thick panels.

Power	Voltage	Contact	Type	Terminals	Hole	Panel Thickness	Code
5A	12V	NO	Button	Screw	16 mm	5-30 mm	RE 60069
10A	12V	NO	Button	Screw	16 mm	5-30 mm	RE 60003



## WATERTIGHT CAP FOR SWITCHES

Right for switches with threaded neck of 16mm. Ext. dimensions: Ø 27mm - Thickness 20 mm.

RED RUBBER CAP with ring nut in aluminium IP65.  
BLACK RUBBER CAP with ring nut in aluminium IP65.



RE 60003/CR  
RE 60003/CN



## SWITCH WATERTIGHT PUSH BUTTON

High reliability. BLACK or RED rubber cap.

Power	Voltage	Contact	Color	Terminals	Hole	Panel Thickness	Code
30A	12-24V	NA	Red	Screw	16 mm	4-24 mm	RE 60128/R
30A	12-24V	NA	Black	Screw	16 mm	4-24 mm	RE 60128/N



## LONG WATERTIGHT PUSH BUTTON SWITCH IP 65

High reliability. Ext. Ring nut in chromed brass of 28mm. With rubber black or red cap.

Power	Voltage	Contact	Color	Terminals	Hole	Panel Thickness	Code
30A	12-24V	NO	Red	Screw	14 mm	2-12 mm	RE 60129/R
30A	12-24V	NO	Black	Screw	14 mm	2-12 mm	RE 60129/N



## SHORT WATERTIGHT PUSH BUTTON SWITCH IP 65

High reliability with NO contact and the NC one (pushing it, the circuit is opened). With rubber black or red cap.

Power	Voltage	Contact	Color	Terminals	Hole	Panel Thickness	Code
20A	12-24V	NO	Red	Faston	21 mm	1-8 mm	RE 60130/R
20A	12-24V	NO	Black	Faston	21 mm	1-8 mm	RE 60130/N
20A	12-24V	NC	Red	Faston	21 mm	1-8 mm	RE 60131/R
20A	12-24V	NC	Black	Faston	21 mm	1-8 mm	RE 60131/N



# KEY-LOCKED IGNITION SWITCHES



## KEY-LOCKED IGNITION SWITCH

Yale security lock. High reliability (Park 8A - Gear 35A - Ignition 60A).  
With two keys. Contacts with double Fastons 4xF6,3 + 2xF9,5.  
Hexagonal mounting nut. Removable key in the P and 0 positions.  
Function : PARKING-STOP-GEAR-PRE-HEATING-STARTING.

Position	Function	Ampere 12V	Screws N°	Dimensions mm	Inlet hole	Panel Thickness	Hex nut	Code
P-0-1-2** - 3**	pak/off/ign/acc/start	35A	4+2	56 x 83	22,5	1-2 mm	27 mm	RE 60020

Warning: for P position PUSH AND TURN LEFT  
Warning: for 3\*\* position PUSH AND TURN RIGHT



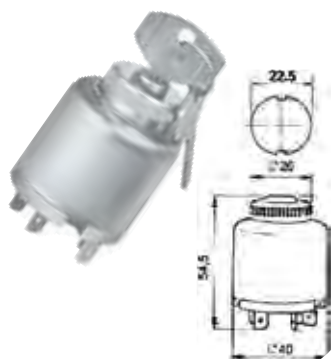
## KEY-LOCKED IGNITION SWITCH IP 65

Body in a watertight plastic material. Yale security lock. With a rubber cap.  
Corrosion and pressure resistant.  
With two keys. Faston contact.  
Hexagonal mounting nut.  
Removable key only in the 0 position.



Position	Function	Ampere 12V	Screws N°	Dimensions mm	Inlet hole	Panel Thickness	Hex nut	Code
0-1-2**	off/ign/start	30A	5	45 x 80	22,5	1-10 mm	27 mm	RE 60476

\*\* Momentary position with wind-up return



## KEY-LOCKED IGNITION SWITCH

With one key. Faston contacts. Knurled mounting ring nut. Removable key only in the 0 position.  
Removable key only in the 0 position and 1 for code 60047 and 60479.

Position	Function	Ampere 12V	Faston N°	Dimensions mm	Inlet hole	Panel Thickness	Hex nut	Code
0-1-2**	Off/cont/start	20A	5	40 x 54,5	22,5 mm	1-2 mm	26 mm	RE 60019
0-1-2-3**	Off/wait/cont/start	20A	5	40 x 54,5	22,5 mm	1-2 mm	26 mm	RE 60478
P-0-1-2**	Park/off/cont/start	20A	5	40 x 54,5	22,5 mm	1-2 mm	26 mm	RE 60047
P** -0-1-2**	Pre/off/cont/start	20A	5	40 x 54,5	22,5 mm	1-2 mm	26 mm	RE 60479

\*\* Momentary position with wind-up return



## KEY-LOCKED IGNITION SWITCH

Long neck for very thick panels. In brass. Corrosive resistant.  
High reliability. With two keys. Contacts with screw clamp.  
Removable key only in the 0 position.

Position	Function	Ampere 12V	Screws N°	Dimensions mm	Inlet hole	Panel Thickness	Hex nut	Code
0-1-2**	Off/cont/start	10A-5A	3	37 x 75	20mm	1-30 mm	22mm	RE 60049

\*\* Momentary position with wind-up return

## ROTARY SWITCHES

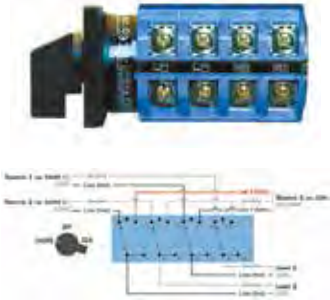
Compact solution when circuit protection is provided elsewhere

Mounts in panels up to 4mm – Spring angle 45° (OFF-1-2-3)

Spring angle 60° (SHORE-OFF-GEN) – Slot blots or T slot bolts

The nuts allow an horizontal and vertical wiring – Guide for using automatic screwdrivers IEC 60947-3 and Lloyds approval

RE 60484 - RE 60485 - RE 60486

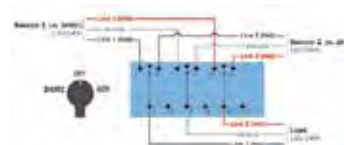


RE 60481 - RE 60370



### 2 POSITIONS + OFF (SHORE-OFF-GEN)

Thermal Current Rating A	Insulation Voltage MAX V	Selector Positions N°	Sectioned Poles N°	Dimensions Of frontal Cover mm	Width mm	Number elements N°	MAX cable Section mm	Code
25	690	2 + OFF	2	48x48	48,6	2	2x4	RE 60481
32	690	2 + OFF	2	48x48	48,6	2	2x6	RE 60482
63	690	2 + OFF	2	64x64	75,69	2	2x16	RE 60370
25	690	2 + OFF	3	48x48	61,21	3	2x4	RE 60483
32	690	2 + OFF	3	48x48	61,21	3	2x6	RE 60369
63	690	2 + OFF	3	64x64	92,78	3	2x16	RE 60371
25	690	2 + OFF	4	48x48	75,69	4	2x4	RE 60484
32	690	2 + OFF	4	48x48	75,69	4	2x6	RE 60485
63	690	2 + OFF	4	64x64	114,3	4	2x16	RE 60486

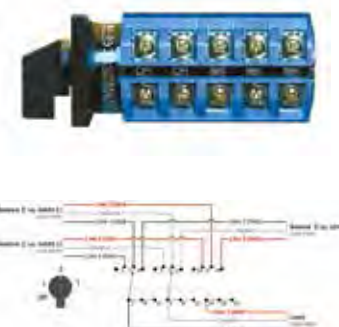


RE 60483 - RE 60371

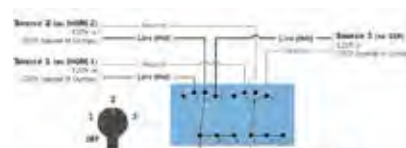


### 3 POSITIONS + OFF (OFF-1-2-3)

RE 60367 - RE 60487 - RE60488



Thermal Current Rating A	Insulation Voltage MAX V	Selector Positions N°	Sectioned Poles N°	Dimensions Of frontal Cover mm	Width mm	Number elements N°	MAX cable Section mm	Code
25	690	3 + OFF	2	48x48	61,21	3	2x4	RE 60367
32	690	3 + OFF	2	48x48	61,21	3	2x6	RE 60487
63	690	3 + OFF	2	64x64	92,78	3	2x16	RE 60488
63	690	3 + OFF	3	64x64	139,7	5	2x16	RE 60368



RE 60368





### MODULAR SWITCH FOR THE INTERIOR

Modular system , CE approved – LED indication near the switch

Voltage	Current	Terminals	Color	Inlet hole	Thickness	Dimensions	Code
12V	5A	3 Faston	Brown	38 mm	20 mm	60x60 mm	RE 60242

### DOUBLE MODULAR SWITCH FOR THE INTERIOR

Modular system , CE approved

Voltage	Current	Terminals	Color	Inlet hole	Thickness	Dimensions	Code
12V	5A	6 Faston	Brown	38 mm	20 mm	60x60 mm	RE 60243

### MODULAR SWITCH FOR THE INTERIOR WITH FUSE

Double pole switch 230V with glass fuse 5x20 and LED  
With IP 30 protection in the rear

Voltage	Current	Terminals	Color	Inlet hole	Thickness	Dimensions	Code
230V	5A	4 Faston	Brown	50 mm	47 mm	60x60 mm	RE 60244

### BROWN MOUNTING PANEL 60X60MM

To use for finishing the modular switches for the interior

RE 60245

### SPACER Ø 10MM (60X60MM)

For mounting the modular switches for the interior

RE 60246



### HI-POWER TOGGLE SWITCHES

All panel switches mount in Blue Sea Systems toggle type circuit breaker panels  
Operating temperature : 250VAC o 32VDC – power 15A (32VDC) 10A (250VAC)



Positions	Type	Type	Terminals	Dimensions	Inlet hole	Code
OFF-----ON	Stable	Switch	2 Faston	55x19 mm	12 mm	RE 60116
OFF-----ON**	Momentary**	Button	2 Faston	55x19 mm	12 mm	RE 60117
ON--OFF--ON	Stable	Toggle	3 Faston	55x19 mm	12 mm	RE 60118
ON** -OFF--ON	Momentary**	Toggle	3 Faston	55x19 mm	12 mm	RE 60119
ON** -OFF--ON**	Momentary**	Toggle	3 Faston	55x19 mm	12 mm	RE 60120
OFF--ON--ON**	Momentary**	Toggle	4 Faston	55x19 mm	12 mm	RE 60121

\*\* Momentary position with wind-up return

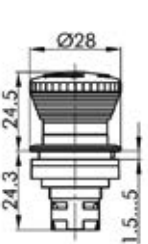
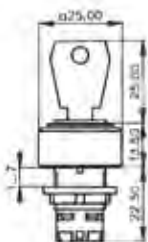
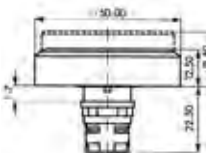
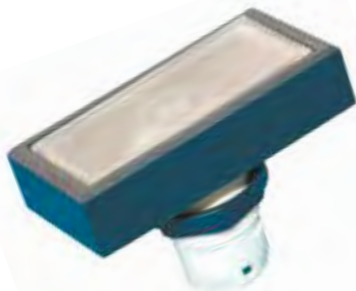
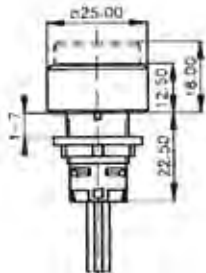


### VIMAR IDEA SWITCH



WITHOUT LIGHT	Function	Pow MAX A	Voltage Vcc	Voltage Vca	Poles N°	Code
	Switch	16	12/24	250	1	RE 60603
	Switch	16	12/24	250	2	RE 60604
	Diverter	16	12/24	250	2	RE 60609
	Button	10	12/24	250	1	RE 60610
	Button	10	12/24	250	1	RE 60611
WITH LIGHT	Button	10	12/24	250	1	RE 60612
	Function	Pow MAX A	Voltage Vcc	Voltage Vca	Poles N°	Code
	Switch	16	12/24	250	1	RE 60614
	Switch	16	12/24	250	2	RE 60615
	Diverter	16	12/24	250	2	RE 60616
Button	10	12/24	250	1	RE 60617	

# BUTTONS AND INDICATOR LIGHTS



## PUSH - BUTTONS, IP 65

In polyamide and polycarbonate. IP 65 protection. Insulation class: II.  
A wide range of interchangeable labels if request.  
Applicable contact elements: stable - momentary - bright.

### LIGHTABLE PUSH-BUTTON 25X25

Button Color	Body Color	Button dimensions mm	Button thickness mm	Mounting hole mm	Mounting section min mm	Operating temperature °C	Code
Red	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60250
Green	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60251
Yellow	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60252
Blue	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60253
White	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60254

### LIGHTABLE PUSH BUTTON 50X25

Button Color	Body Color	Button dimensions mm	Button thickness mm	Mounting hole mm	Mounting section min mm	Operating temperature °C	Code
Red	Black	50 x 25	12,5	16,2	25 x 50	-30 +55	RE 60490
Green	Black	50 x 25	12,5	16,2	25 x 50	-30 +55	RE 60491
Yellow	Black	50 x 25	12,5	16,2	25 x 50	-30 +55	RE 60492
Blue	Black	50 x 25	12,5	16,2	25 x 50	-30 +55	RE 60493
White	Black	50 x 25	12,5	16,2	25 x 50	-30 +55	RE 60494

### SQUARE LABELS 25X25

To put between the button and the unit

RE 602 66	RE 602 67	RE 602 68	RE 602 69	RE 602 70	RE 602 71	RE 602 72	RE 602 73	RE 602 74
RE 602 75	RE 602 76	RE 602 77	RE 602 78	RE 602 79	RE 602 80	RE 602 81	RE 602 82	RE 602 83

### SQUARE LABELS 50X25

To put between the button and the unit

## KEY-LOCKED IGNITION SWITCH IP 65

Nickel metal cylinder. With two changeable keys. Lock with 5 hooks  
Removable key in the 0 position

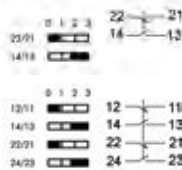
Function	Body Color	Button dimensions mm	Button thickness mm	Mounting hole mm	Mounting section min mm	Operating temperature °C	Code
O-1	Black	25 x 25	12,5	16,2	25	-30 +55	RE 60259

## EMERGENCY BUTTON IP 65

Red button and yellow collar. Spring function.  
Rotary unblocking of red button on the left and on the right.

Function	Body Color	Button dimensions mm	Button thickness mm	Mounting hole mm	Operating temperature °C	Code
I-O	Yellow	31,7	37,3	16,2	-30 +55	RE 60497

# BUTTONS AND INDICATOR LIGHTS



## CONTACT ELEMENTS

The contact elements are linked to the unit with a spring-clutch. Self-cleaning contact thanks to a special movement. The opening is performed with a double interruption. The striped contacts guarantee a perfect functionality with low voltages too (5V 1mA). All contacts in hard silver. Connection with a small flap, Faston 2,8 x 0,8.

## MOMENTARY CONTACT ELEMENT FOR KEY-LOCKED BUTTON

Model	Contact Type	Contacts N°	Faston N°	MAX Volt. AC	MAX Volt. DC	Amperage at 24VDC	Amperage at 250VDC	Code
AT	Momentary	1NC + 1NA	4	250V	300V	2A	3A	RE 60260
AT 2	Momentary	2NC + 2NA	8	250V	300V	1A	3A	RE 60261

## MOMENTARY CONTACT LIGHT ELEMENT

For IP 65 units  
With a base lamp socket for T5.5K

Model	Contact Type	Contacts N°	Faston N°	MAX Volt. AC	MAX Volt. DC	Amperage At 24VDC	Amperage At 250VDC	Code
ATL	Momentary	1NC + 1NA	6	250V	300V	2A	3A	RE 60262
ATL 2	Momentary	2NC + 2NA	10	250V	300V	1A	3A	RE 60263

## MOMENTARY CONTACT LIGHT ELEMENT

For IP 65 Units  
With a base lamp socket for T5.5K

Model	Contact Type	Contacts N°	Faston N°	MAX Volt. AC	MAX Volt. DC	Amperage at 24VDC	Amperage at 250VDC	Code
AFL	Stable	1NC + 1NA	6	250V	300V	2A	3A	RE 60264
AFL 2	Stable	2NC + 2NA	10	250V	300V	1A	3A	RE 60265

## LED 25X25

With diffuser, base for lamp socket T5,5 and fast-on connections 2,8x0,8  
IP 65 protection

Light Color	Body Color	Light Dimens. mm	Light Thickness mm	Mounting Hole mm	Mounting Section min mm	Temperature °C	Code
Red	Black	25 x 25	12,5	16,2	25 x 25	-30 +55	RE 60255
Green	Black	25 x 25	12,5	16,2	25 x 25	-30 +55	RE 60256
White	Black	25 x 25	12,5	16,2	25 x 25	-30 +55	RE 60257
Yellow	Black	25 x 25	12,5	16,2	25 x 25	-30 +55	RE 60258

## INCANDESCENT LAMPS T5.5K

Voltage	Power	Absorption	Code
12V	1.2W	100mA	RE 00031
24V	1.2W	50mA	RE 00032
30V	1.2W	40mA	RE 00033

## LED LAMPS

Voltage	Color	Absorption	Code
12V	White	100mA	RE 00160
24V	White	50mA	RE 00161

## SPARE LAMP HOLDER

For lights without gem and base  
With built-in electronic stabilizer 220/24V

RE 60498

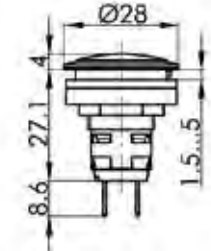
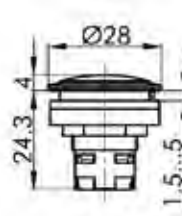
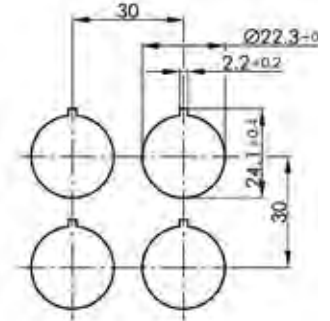
# SELECTOR

## RONTRON-R-JUWEL



### PUSH - BUTTONS, IP 65

Aux for inlet hole diam. 22.3 mm  
Flat (1.4mm), a valid alternative to the membrane panel.  
In polyamide and polycarbonate.  
IP 65 protection.  
Insulation class II.  
A wide range of interchangeable labels if request.  
Applicable contact elements: stable - momentary - bright.



### ROUND LIGHTABLE BUTTON RRJT 28MM

Body in fair metalized grey .  
Transparent button in blue, yellow, green, no Color, red, milk-white.  
Neutral patch.  
On request, personalized patches.

Type	Lens Color	Nameplate	Body Color	Diameter button	Thickness Button	Mounting hole	Mounting section	Degree protection	Code
RRJT	Clear	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/KL
RRJT	Red	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/RT
RRJT	Green	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/GN
RRJT	Yellow	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/GB
RRJT	Blue	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/BL
RRJT	White	Blank BSRRU	Metallic	28 mm	2,3 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60850/WS



### ROUND SHAPED PUSH BUTTON

Color body: light grey metallic. Flat lens transparent available in: blue, yellow, green, clear, red, opal white.  
With blank nameplate. On request imprint nameplate.

Type	Head button	Name-plate	Body Color	Diameter button	Thickness Button	Mounting hole	Mounting section	Degree protec.	Code
RRJTLR	metallic	NO	Metallic	28 mm	2 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60851



### EMERGENCY-STOP HEAD

With switching position indicator. Foolproof, with snap action.  
Twist to reset. Color: red/yellow in according to norm.

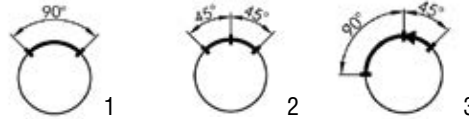
Type	Head button	Name-plate	Body Color	Diameter button	Thickness Button	Mounting hole	Mounting section	Degree protec.	Code
RRJUV	Red	NO	Yellow	28 mm	24,5 mm	Ø 22,3 mm	Min 30 mm	IP 65	RE 60851/E

# SELECTOR RONTRON-R-JUWEL

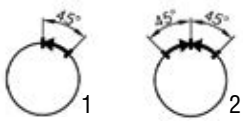


## ILLUMINATED SELECTOR HEAD IP65

Color body: black, surface grey ring nut  
Inlet hole: Ø 22mm  
Illuminated transparent knob



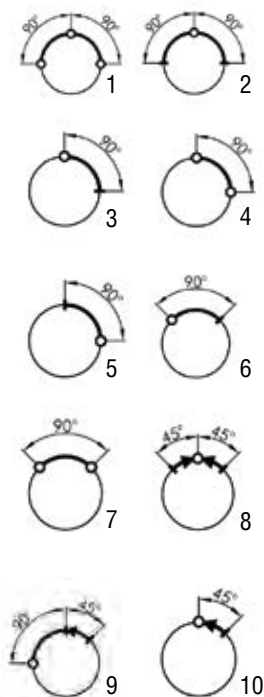
	Model	Stable positions	Momentary positions	Contact blocks 1NC+1NO	Contact blocks 2NC+2NO	Contact blocks 2NO	Contact blocks 2NC	Code
fig.1	RRJWAL...	2 positions	-	BTL5	BTL5 439	BTLI5	BTLO5	RE 60860
fig.2	RRJWBL...	3 positions	-	BZLOI5	-	BZLI5	BZLOO5	RE 60861
fig.3	RRJWCL...	2 positions	1 position	BZLOI5	-	BZLI5	BZLOO5	RE 60862



## ILLUMINATED SELECTOR HEAD, MOMENTARY

Illuminated transparent knob.

	Model	Stable positions	Momentary positions	Contact blocks 1NC+1NO	Contact blocks 2NC+2NO	Contact blocks 2NO	Contact blocks 2NC	Code
fig.1	RRJSTAL...	-	2 positions	BTL5	BTL5 439	BTLI5	BTLO5	RE 60863
fig.2	RRJSTBL...	-	3 positions	BZLOI5	-	BZLI5	BZLOO5	RE 60864



## KEY ACTUATOR IP65

Color body: black, surface grey ring nut. Inlet hole: Ø 22mm

	Model	Positions	Key removable positions	Contact blocks 1NC+1NO	Contact blocks 2NC+2NO	Contact blocks 2NO	Contact blocks 2NC	Code
fig.1	RRJSSA 12	3 stable positions	3 positions	-	-	BZII	BZOO	RE 60865/12
fig.2	RRJSSA 13	3 stable positions	1 position	-	-	BZII	BZOO	RE 60865/13
fig.3	RRJSSA 14	2 stable positions	1 position	BT	BT439	BZII	BZOO	RE 60865/14
fig.4	RRJSSA 15	2 stable positions	2 positions	BT	BT439	BZII	BZOO	RE 60865/15
fig.5	RRJSSA 16	2 stable positions	1 position	BT	BT439	BZII	BZOO	RE 60865/16
fig.6	RRJSSA 17	2 stable positions	1 position	BT	BT439	BZII	BZOO	RE 60865/17
fig.7	RRJSSA 18	2 stable positions	2 positions	BT	BT439	BZII	BZOO	RE 60865/18
fig.8	RRJSSA 23	3 momentary positions	1 position	-	-	BZII	BZOO	RE 60865/23
fig.9	RRJSSA 25	2 stable + 1 mom. pos.	1 position	-	-	BZII	BZOO	RE 60865/25
fig.10	RRJSSA 28	2 momentary positions	1 position	BT	BT439	BZII	BZOO	RE 60865/28

# CONNECTION PANELS

## ROTRON-R-JUWEL



		<p><b>USB SINGLE PANEL</b> A type usb connector Usb type A output Metallic color.</p>	<p>RE 60843</p>
		<p><b>USB DOUBLE PANEL</b> A type usb connector Usb type A output Connection 1:1 Metallic color.</p>	<p>RE 60844</p>
		<p><b>RJ45 PANEL</b> RJ45 connector with shield RJ45 output complete with 60 cm cable Metallic color.</p>	<p>RE 60845</p>
		<p><b>RJ45 PANEL</b> RJ45 connector with shield Metallic color. Degree protection: IP 65</p>	<p>RE 60846</p>
		<p><b>HDMI PANEL</b> HDMI output Metallic color.</p>	<p>RE 60847</p>
		<p><b>AUDIO JACK 3,5 PANEL</b> 3.5 m jack output complete with 200 cm cable Metallic color.</p>	<p>RE 60848</p>
		<p><b>AUDIO JACK 6,3 PANEL</b> 6,3 m jack output complete with 200 cm cable Metallic color.</p>	<p>RE 60849</p>





### PILOT LIGHT HEAD

Included red or green lens. Body: metallic.

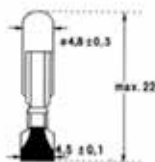
Lens Color	Body Color	Button Dimensions	Button Thickness	Mounting Hole	Mounting Section min	Temperature °C	Code
Red	Metallic	28 mm	4 mm	22,3 mm	30 mm	-30 +55	RE 60852
Green	Metallic	28 mm	4 mm	22,3 mm	30 mm	-30 +55	RE 60853



### PILOT LIGHT WITH FASTON TERMINALS

Included red or green lens. Body: metallic.

Lens Color	Body Color	Button Dimensions	Button Thickness	Mounting Hole	Mounting Section min	Temperature °C	Code
Red	Metallic	28 mm	4 mm	22,3 mm	30 mm	-30 +55	RE 60854
Green	Metallic	28 mm	4 mm	22,3 mm	30 mm	-30 +55	RE 60855



### INCANDESCENT LAMP T5,5K

Lamp to apply in all illuminated contacts block. T5,5K bayonet attack.

Type	Voltage	Power	Absorption	Type attack	Code
T5,5K-12V	12 V	1,2 W	100 mA	T5,5K	RE 00031
T5,5K-24V	24 V	1,2 W	50 mA	T5,5K	RE 00032
T5,5K-30V	30 V	1,2 W	40 mA	T5,5K	RE 00033



### ULTRA BRIGHT LED T5,5K SOCKET 12V

Lamp to apply in all illuminated contacts block. With integrated resistance. T5,5K bayonet attack.

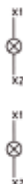
Type	Voltage	Led Color	Absorption	Type attack	Code
L5,5K12UW	12 V	White	14 mA	T5,5K	RE 00160
L5,5K12UB	12 V	Blue	14 mA	T5,5K	RE 00160/B
L5,5K12UG	12 V	Green	14 mA	T5,5K	RE 00160/G
L5,5K12UR	12 V	Red	14 mA	T5,5K	RE 00160/R
L5,5K12UY	12 V	Yellow	14 mA	T5,5K	RE 00160/Y



### ULTRA BRIGHT LED T5,5K SOCKET 24V

Lamp to apply in all illuminated contacts block. With integrated resistance. T5,5K bayonet attack.

Type	Voltage	Led Color	Absorption	Type attack	Code
L5,5K24UW	24 V	White	14 mA	T5,5K	RE 00161
L5,5K24UB	24 V	Blue	14 mA	T5,5K	RE 00161/B
L5,5K24UG	24 V	Green	14 mA	T5,5K	RE 00161/G
L5,5K24UR	24 V	Red	14 mA	T5,5K	RE 00161/R
L5,5K24UY	24 V	Yellow	14 mA	T5,5K	RE 00161/Y



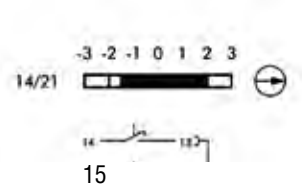
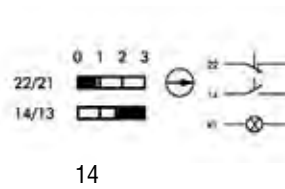
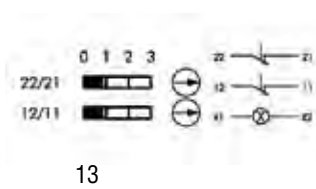
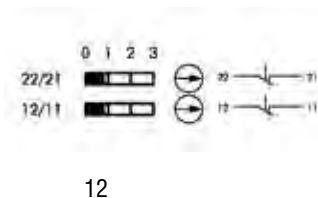
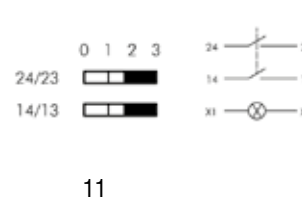
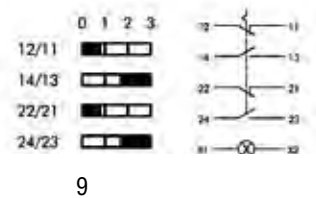
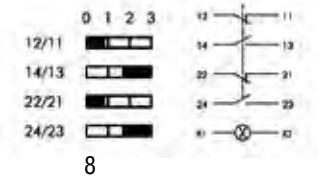
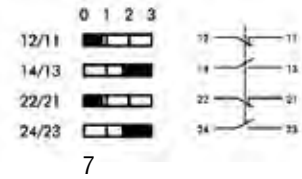
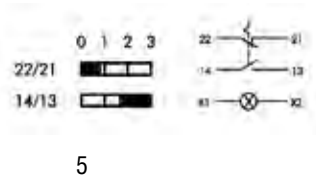
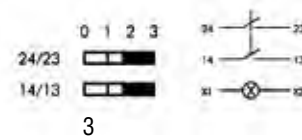
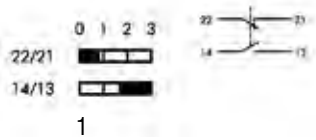
### LAMPHOLDER FOR RONTRON PILOT LIGHT

Contacts block for incandescent or led lamp.

Type	Voltage	Terminals	Type Led attack	Type attack	Code
BL5	12-24 V	2 Faston	T5,5K	T5,5K	RE 60498/R

## CONTACT BLOCKS

Operating travel: 3mm  
 Operating temperature: -30°C +65°C  
 Contact material: Silver Ag/Ni  
 Electrical life: 1 million cycles, 12V/5ma  
 Contact resistance: < 20mΩ  
 Bouncing time: NC: <5ms NO: < 2ms  
 Protection class: II



	Model	Descriptions contact blocks	Lamps T5.5K	Faston terminal number	Nominal voltage AC	Nominal current AC	Nominal voltage DC	Nominal current 24V DC	Code
Fig.1	BT	Momentary 1NC+1NO	NO	4 Faston	250V	3A	300V	2A	RE 60866
Fig.2	BTL5	Momentary 1NC+1NO	YES	6 Faston	250V	3A	300V	2A	RE 60867
Fig.3	BTLI5	Momentary 2NO	YES	6 Faston	250V	3A	300V	2A	RE 60868
Fig.4	BTLO5	Momentary 2NC	YES	6 Faston	250V	3A	300V	2A	RE 60869
Fig.5	BFL5	Maintained 1NC+1NO	YES	6 Faston	250V	3A	300V	2A	RE 60990
Fig.6	BFLI5	Maintained 2NO	YES	6 Faston	250V	3A	300V	2A	RE 60991
Fig.7	BT 439	Momentary 2NO+2NC	NO	8 Faston	60V	3A inductive	60V	1A inductive	RE 60992
Fig.8	BTL5 439	Momentary 2NC+2NO	YES	10 Faston	60V	3A inductive	60V	1A inductive	RE 60993
Fig.9	BFL5 439	Maintained 2NC+2NO	YES	10 Faston	60V	3A inductive	60V	1A inductive	RE 60994
Fig.10	BZII	Momentary 2NO	NO	4 Faston	250V	3A	300V	2A	RE 60995
Fig.11	BZLI5	Momentary 2NO	YES	6 Faston	250V	3A	300V	2A	RE 60996
Fig.12	BZOO	Momentary 2NC	NO	4 Faston	250V	3A	300V	2A	RE 60997
Fig.13	BZLOO5	Momentary 2NC	YES	6 Faston	250V	3A	300V	2A	RE 60998
Fig.14	BZLOI5	Momentary 1NC+1NO	YES	6 Faston	250V	3A	300V	2A	RE 60999
Fig.15	BZOS	Momentary 1NC+1NO	EMERGENCY	4 Faston	250V	3A	300V	2A	RE 60999/E

# BRIGHT STEEL PULSATING

## BRIGHT INOX PULSATING IP 66

Robust structure and stainless steel keys.

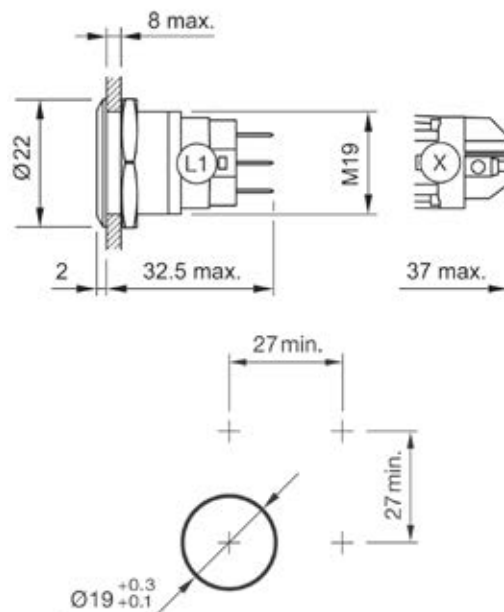
Silver brass contacts.

The waterproofing and internal diaphragm prevent the damp entry

For illumination, one resistance is compulsory

Since the passage of current so reduced,  
these buttons are primarily used to operate relays

To use these button like a SWITCH,  
you have to use an impulse modular relay.



Model	Color lighting	Max voltage operating	Max operating current	LED voltage	Max panel thickness mm	Inlet hole mm	Code
Switch	Red	250	3	24	8	19	RE 60830
Switch	Blue	250	3	24	8	19	RE 60831
Switch	Green	250	3	24	8	19	RE 60832
Switch	Yellow	250	3	24	8	19	RE 60833
Switch	White	250	3	24	8	19	RE 60834
Button	Red	250	3	24	8	19	RE 60824
Button	Blue	250	3	24	8	19	RE 60828
Button	Green	250	3	24	8	19	RE 60825
Button	Yellow	250	3	24	8	19	RE 60827
Button	White	250	3	24	8	19	RE 60829



### LED INDICATOR LIGHT - INOX - IP 65

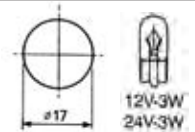
Robust structure and stainless steel keys. Silver brass contacts.  
The waterproofing and internal diaphragm prevent the damp entry  
For illumination, one resistance is compulsory.

Color lighting	Max operating current	LED voltage	Max panel thickness	Inlet hole	Code
Red	10	24 V	8	19 mm	RE 60835
Blue	10	24 V	8	19 mm	RE 60836
Green	10	24 V	8	19 mm	RE 60837
Yellow	10	24 V	8	19 mm	RE 60838



### ROUND SHAPED INDICATOR LIGHT IP 65 12V

Impact resistant.  
Built-in mounting spring on very thick panels too.  
Bulb 24V type W2,1x9,5D 3W is available if requested.

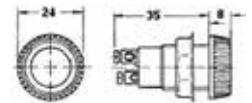


Color	Voltage	Light diam.	Inlet hole	Panel thickness	MAX width	Type of bulb	Type of contacts	Code
RED	12V	25mm	17mm	1-15mm	43mm	W2,1x9,5D	Faston	RE 01026
GREEN	12V	25mm	17mm	1-15mm	43mm	W2,1x9,5D	Faston	RE 01027
BLUE	12V	25mm	17mm	1-15mm	43mm	W2,1x9,5D	Faston	RE 01028
ORANGE	12V	25mm	17mm	1-15mm	43mm	W2,1x9,5D	Faston	RE 01029



### ROUND SHAPED INDICATOR LIGHT WITHOUT BULB

Bulb 12 or 24V, BA9S 4W type, are available if requested.

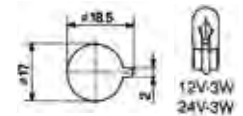


Color	Voltage	Light diam.	Inlet hole	Panel thickness	MAX width	Type of bulb	Type of contacts	Code
Red	12-24V	24mm	17mm	1-8mm	35mm	BA9S	Screw	RE 01040
Green	12-24V	24mm	17mm	1-8mm	35mm	BA9S	Screw	RE 01039
Blue	12-24V	24mm	17mm	1-8mm	35mm	BA9S	Screw	RE 01037

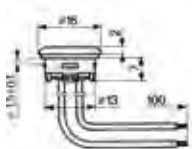


### RECTANGULAR INDICATOR LIGHT IP 65 12V

Very robust, one body with the lens, low profile.  
Bulb 24V type W2,1x9,5D 3W is available if requested.



Color	Voltage	Light diam.	Inlet hole	Panel thickness	MAX width	Type of bulb	Type of contacts	Code
Green	12V	23x20mm	17mm	1-2mm	43mm	W2,1x9,5D	Faston	RE 01034
Blue	12V	23x20mm	17mm	1-2mm	43mm	W2,1x9,5D	Faston	RE 01035
Orange	12V	23x20mm	17mm	1-2mm	43mm	W2,1x9,5D	Faston	RE 01036



### COMPACT ROUND SHAPED INDICATOR LIGHT, IP 66 12V

Reduced encumbrance (only 7 mm of thickness).  
Quick installation by pressure on very thin panels.

Color	Voltage	Light diam.	Inlet hole	Panel thickness	MAX width	Type of bulb	Type of contacts	Code
Red	12V	16mm	13mm	0,5-1,5mm	7mm	60mA	Wires	RE 01050
Green	12V	16mm	13mm	0,5-1,5mm	7mm	60mA	Wires	RE 01051
Blue	12V	16mm	13mm	0,5-1,5mm	7mm	60mA	Wires	RE 01052
Orange	12V	16mm	13mm	0,5-1,5mm	7mm	60mA	Wires	RE 01053



## ROUND SHAPED INDICATOR LIGHT, LOW CONSUMPTION

Low consume bulb. Chromed ring nut.

Color	Voltage	Light diam.	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	12V	18mm	12mm	1-5mm	40mm	Faston	RE 01003
Green	12V	18mm	12mm	1-5mm	40mm	Faston	RE 01001
Red	24V	18mm	12mm	1-5mm	40mm	Faston	RE 01006
Green	24V	18mm	12mm	1-5mm	40mm	Faston	RE 01004



## ROUND SHAPED INDICATOR LIGHT, IP 65 LOW CONSUMPTION

Removable chromed ring nut.

Color	Voltage	Light diam.	Gem diameter	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	12V	20mm	13mm	10mm	1-3mm	30mm	Wires	RE 01016
Green	12V	20mm	13mm	10mm	1-3mm	30mm	Wires	RE 01017
Red	24V	20mm	13mm	10mm	1-3mm	30mm	Wires	RE 01018
Green	24V	20mm	13mm	10mm	1-3mm	30mm	Wires	RE 01019



## LED INDICATOR LIGHT 5 MM

Practical metallic LED holder, threaded, for installation on the panel. It can be dismantled

Color	Voltage	Light diam.	Diam. LED	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	12V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01009
Green	12V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01007
Yellow	12V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01008
Red	24V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01043
Green	24V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01041
Yellow	24V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01042



## FLASHING LED INDICATOR LIGHT 5 MM

Practical metallic threaded LED socket with brass nut for the installation on the panel.

Color	Voltage	Light diam.	Led diam.	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	12V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01011
Red	24V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01012
Green	12V	10mm	5mm	8mm	1-4mm	27mm	Wires	RE 01010



## MICRO-LED INDICATOR LIGHT 12-24V

Pressure installation thanks to its special LED holder.



Color	Voltage	Light diam.	Led diam.	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	12-24V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 61016/R
Green	12-24V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 61016/V
Yellow	12-24V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 61016/G



## MICRO-LED INDICATOR LIGHT 220V

Pressure installation thanks to its special LED holder.

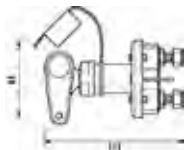


Color	Voltage	Light diam.	Led diam.	Inlet hole	Panel thickness	MAX width	Type of contacts	Code
Red	220V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 01025
Green	220V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 01024
Yellow	220V	5mm	3mm	4mm	1-5mm	15mm	Wires	RE 01023



### BATTERY ISOLATOR WITH REMOVABLE BLACK KEY

In black polycarbonate. Protection cap in rubber and removable, splash-proof key. Junction studs in silver-plated brass and self-blocked stainless steel nuts.

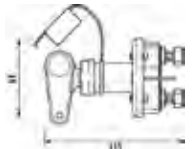


Continuous Rating	Amp. Peak for 3 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
100A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-25mm	RE 60138



### BATTERY ISOLATOR WITH REMOVABLE RED KEY

In black polycarbonate. Removable red key with metallic finishes. Protection cap in rubber and removable, splash-proof key. Junction studs in silver-plated brass and self-blocked stainless steel nuts.

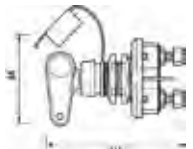


Continuous Rating	Amp. Peak for 3 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
140A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-25mm	RE 60137



### BATTERY ISOLATOR WITH REMOVABLE RED KEY

In black polycarbonate and chromed brass. Collar and mounting ring nuts in chromed brass. Removable red key with metallic finishes. Protection cap in rubber and removable, splash-proof key. Junction studs in silver-plated brass and self-blocked stainless steel nuts.



Continuous Rating	Amp. Peak for 3 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
140A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-7mm	RE 60139
200A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-7mm	RE 60139/200

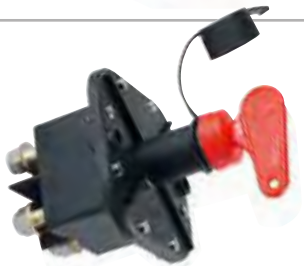


### BATTERY ISOLATOR WITH REMOVABLE RED KEY

In black polycarbonate and chromed brass. Flange, collar and mounting ring nuts in chromed brass. Removable red key with metallic finishes. Protection cap in rubber and removable, splash-proof key. Junction studs in silver-plated brass and self-blocked stainless steel nuts.



Continuous Rating	Amp. Peak for 3 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
140A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-7mm	RE 60136



### DOUBLE POLE BATTERY ISOLATOR WITH REMOVABLE RED KEY

SIMULTANEOUS INTERRUPTION OF POSITIVE AND NEGATIVE POLES. In black polycarbonate. Removable red key with metallic finishes. Protection cap in rubber and removable, splash-proof key. Junction studs in silver-plated brass and self-blocked stainless steel nuts.



Continuous Rating	Amp. Peak for 3 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
140A	2000A	24V	Single pole	Silver-plated	M10	25mm	1-25mm	RE 60140



### SPARE RED KEY

Metallic stud Ø 11mm  
For RE 60136-60137-60139-60140/2 battery isolators only

RE 60137/C



### DOUBLE POLE BATTERY ISOLATOR

Interruption of positive and negative poles. Fixed red handle. High power. Junction studs in copper M10. IP 65 protection. SIAE 19 homologation.

Continuous Rating	Amperage Peak for 5 sec	MAX Volt	Studs Sect.	Weight	Code
250 A	2500 A	48 V	M 10	1,1Kg	RE 60826



### BATTERY ISOLATOR WITH REMOVABLE RED KEY

You can take off the key when it's in the 0 position.  
For removing the key from the 0 position you have to rotate it ccwise up to 45°.  
Connection studs in copper with double nuts in zinc-coated steel.  
Protection cap in rubber with removable splash-proof red key.

Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
100A	500A	24V	Single pole	copper	M8	22mm	1-25mm	RE 60038



### BATTERY ISOLATOR WITH REMOVABLE RED KEY IP 54

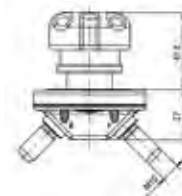
You can take off the key when it's in the 0 position. Connection studs in tinned copper.  
NO AUXILIARY CONTACTS VERSION (RE 60148). AUXILIARY CONTACTS VERSION (RE 60149)  
Auxiliary contacts model MAX 5A (1NA+1NC).

Continuous Rating	Amp. Peak for 5 sec	Current Rating	Auxiliary contacts	Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
150A	1200A	24V	NO	Silver-plated	M10	24mm	1-18mm	RE 60148
150A	1200A	24V	YES	Silver-plated	M10	24mm	1-18mm	RE 60149

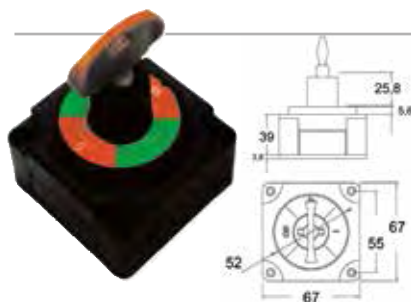


### MANUAL CONTROL BATTERY ISOLATOR IP 65

Closing: turn clockwise the knob.  
Opening: push the knob.  
ON-OFF indication in the front panel.  
With O-ring ; it is mounted on the body with two screws.  
NO AUXILIARY CONTACTS VERSION (RE 60147).  
AUXILIARY CONTACTS VERSION (RE 60146).  
Auxiliary contacts model MAX 5A (1NA+1NC).



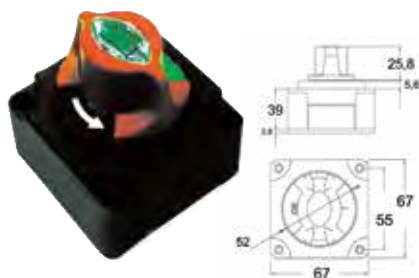
Continuous Rating	Amp. Peak for 5 sec	Current Rating	Auxiliary contacts	Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
150A	1200A	24V	NO	Silver-plated	M10	24mm	1-10mm	RE 60147
150A	1200A	24V	YES	Silver-plated	M10	24mm	1-10mm	RE 60146



### BATTERY ISOLATOR WITH REMOVABLE RED KEY

Isolating cover protects rear contacts. Low case removable.  
Isolating panel cover with snap-in. Front panel mounting: Ø hole 52 mm.

Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
300A	1000A	24V	Single pole	Copper	M10	52 mm	2 mm	RE 60529



### MANUAL BATTERY ISOLATOR RED KNOB IP 54

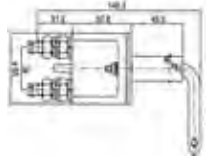
Isolating cover protects rear contacts. Low case removable. Isolating cover with snap-in.  
Front panel mounting: Ø hole 52 mm.

Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
300A	1000A	24V	Single pole	Copper	M10	52 mm	2 mm	RE 60530



### PROFESSIONAL MANUAL BATTERY ISOLATORS 250A

Removable handle.  
IP 65 protection.  
Connection studs in silver-plated copper, with zinc-coated double nuts.

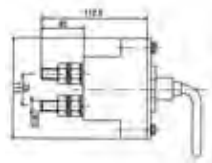


Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
250A	2500A	24V	Single pole	Silver-plated	M10	22mm	2-25mm	RE 60024



### PROFESSIONAL MANUAL BATTERY ISOLATORS 350A

FIXED HANDLE.  
High power.  
IP 65 protection.  
Connection studs in silver-plated copper 12 mm, with zinc-coated double nuts.

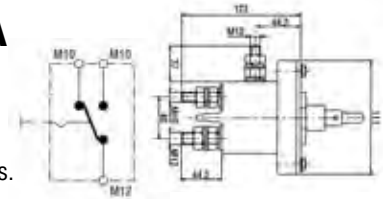


Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
350A	2500A	24V	Single pole	Silver-plated	M12	26mm	2-6mm	RE 60023



### PROFESSIONAL BATTERY SWITCH 350A

High power.  
IP 65 protection.  
Two connection studs in silver-plated copper 10 mm, with double brass nuts.  
Connection studs in silver-plated copper 12 mm, with brass double nuts.

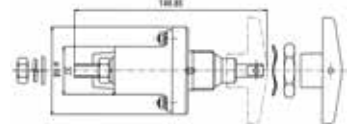


Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
350A	2500A	24V	Single pole	Silver-plated	M12	26mm	2-6mm	RE 60361



### PROFESSIONAL BATTERY ISOLATOR WITH HANDLE 250A

Fixed handle.  
IP 65 protection.  
Connection studs in silver-plated copper, with brass double nuts.

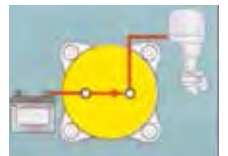


Continuous Rating	Amp. Peak for 5 sec	Current Rating	Interr. Pole	Copper Contacts	Studs Sect.	Inlet Hole	Bulkhead Thickness	Code
250A	2500A	24V	Single pole	Silver-plated	M10	30mm	2-10mm	RE 60022



### MINI BATTERY SWITCH 300A

Its case allows surface, front panel or rear panel mounting.  
In reinforced polycarbonate.  
Tin-plated copper studs.



Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300A	500A	1500A	48V	1	Silver-plated	M10	60,33	71,76x71,76 x77,94	RE 60144
300A*	500A	1500A	48V	1	Silver-plated	M10	60,33	71,76x71,76 x77,94	RE 60144LOCK

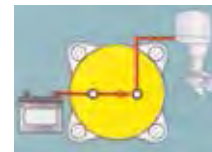
Equipped with lockable lock to prevent rotation of the key.





### MINI BATTERY SWITCHES WITH KEY 300A WITH KNOB

Its case allows surface, front panel or rear panel mounting.  
In reinforced polycarbonate. Removable knob.  
Tin-plated copper studs.

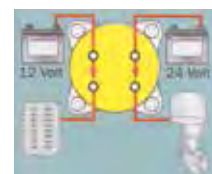


Continuous Rating	Intermittent rating x 5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300A	500A	900A	48V	1	Silver-plated	M10	60,33	71,76x71,76x77,94	RE 60145



### MINI BATTERY DOUBLE POLE BATTERY SWITCH 300A

Negative and positive pole bank simultaneously.  
Its case allows surface, front panel or rear panel mounting.  
In reinforced polycarbonate. Removable knob.  
Tin-plated copper studs.

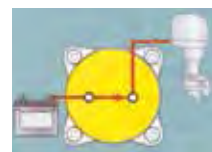


Continuous Rating	Intermittent rating x 5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300A	450A	675A	32V	2	Silver-plated	M10	60,33	71,76x71,76x77,94	RE 60398



### MINI BATTERY SWITCH 300A WITH KEY

For inlet or external installation.  
In reinforced polycarbonate.  
Removable control lever.  
Terminals in tin-plated copper studs.

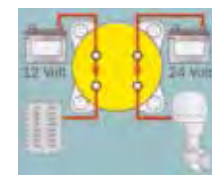


Continuous Rating	Intermittent rating x 5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
350A	600A	2000A	48V	1	Silver-plated	M10	92,08	97,79x97,79x78,67	RE 60114



### MAXY DOUBLE POLE BATTERY SWITCH 350A

Negative and positive pole bank simultaneously.  
Its case allows surface, front panel or rear panel mounting.  
In reinforced polycarbonate.  
Tin-plated copper studs.

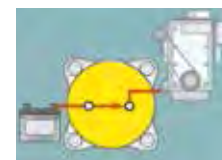


Continuous Rating	Intermittent rating x 5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
350A	525A	1500A	32V	2	Silver-plated	M10	92,08	97,79x97,79x78,67	RE 60399



### MAXY SUPER HEAVY DUTY BATTERY SWITCH 600A

High power and reduced dimensions.  
Its case allows surface, front panel or rear panel mounting.  
In reinforced polycarbonate.  
Tin-plated copper studs.



Continuous Rating	Intermittent rating x 5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
600A	900A	2750A	32V	1	Silver-plated	M12	92,08	97,79x97,79x78,67	RE 60375



### SPECIAL MINI BATTERY SWITCH - DUAL CIRCUIT 300A

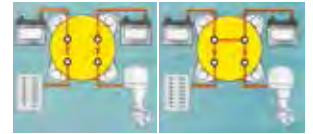
Double contacts for a double circuit (4 tin-plated copper studs).

Switches two battery banks simultaneously.

It maintains battery bank isolation.

BOTH function offers the ability to combine the two battery banks.

Surface or rear panel mounting.



Continuous Rating	Intermittent rating x5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300 A	450 A	675 A	32V	1	Silver-plated	M10	60,3	71,76x71,76x77,94	RE 60501



### SPECIAL MAXI BATTERY SWITCH - DUAL CIRCUIT 350A

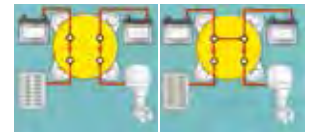
Double contacts for a double circuit (4 tin-plated copper studs).

Switches two battery banks simultaneously.

It maintains battery bank isolation.

BOTH function offers the ability to combine the two battery banks.

Surface or rear panel mounting.



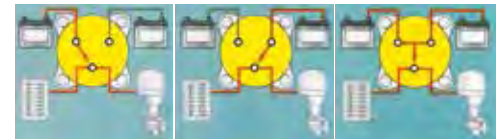
Continuous Rating	Intermittent rating x5 min	Cranking rating 30"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
350 A	525 A	700 A	32V	1	Silver-plated	M10	92,08	97,79x97,79x78,67	RE 60502



### MINI BATTERY SWITCH 0-1-2 BOTH

In reinforced polycarbonate.

Surface or rear panel mounting.



Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300 A	500 A	1500 A	32V	1	Silver-plated	M10	60,3	71,76x71,76x77,94	RE 60503



### MAXI BATTERY SWITCH 0-1-2 BOTH

In reinforced polycarbonate.

Surface or rear panel mounting.



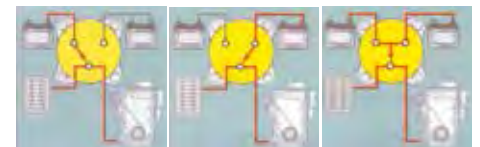
Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
350 A	600 A	2000 A	32V	1	Silver-plated	M10	92,08	97,79x97,79x78,67	RE 60103



### MAXI HEAVY DUTY BATTERY SWITCH 0-1-2 BOTH

Connection studs in tin-plated copper 12mm.

Surface or rear panel mounting.



Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
500 A	700 A	2750 A	32V	1	Silver-plated	M12	92,08	97,79x97,79x78,67	RE 60504



**MINI DIVERTER 0-1-2**  
Three-position diverter without both function.  
Silver plated copper pins.

Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
300 A	500 A	900 A	32VDC	Silver-plated	M10	60,3 mm	74,93x71,93x84,53	RE 60505



**MAXI BATTERY SWITCH 0-1-2**  
Selector three position without both functions.  
Tin-plated copper studs M10.



Continuous Rating	Intermittent rating x5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
350 A	600 A	2000 A	32V	1	Silver-plated	M10	92,08	97,79x97,79x78,67	RE60601



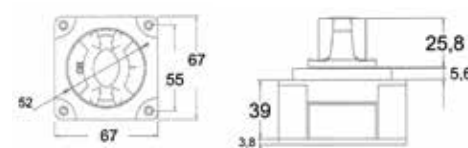
**HEAVY DUTY BATTERY SWITCH 0-1-2**  
High power three position selector without both functions.  
Tin-plated copper studs M12.



Continuous Rating	Intermittent rating X5 min	Cranking rating 10"	Voltage Rating	Interr. Poles	Copper Contacts	Stud Sect.	Inlet Hole	Ext. Dimensions mm	Code
500 A	700 A	2750 A	32 V	1	Silver-plated	M12	92,08	97,79x97,79x78,67	RE 60602



**BATTERY SELECTOR 300A**  
With rotating knob with 4 positions.  
Nominal current 24V.  
MAX continuous rating 300A.



Current rating	Power for 5 sec.	Nominal supply	Interr. Poles	Contacts	Stud Sect.	Inlet Hole	Grade	Code
300 A	1000 A	24 V	Single pole	Silver-plated	M10	52 mm	IP54	RE 60526



**BATTERY SELECTOR SWITCH 0-1-2 BOTH**  
Connection brass M10 studs and brass pivots.  
Robust black thermoplastic material.

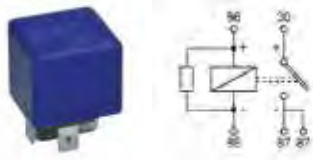
Current rating	Power for 5 sec.	Nominal supply	Interr. Poles	Contacts	Stud Sect.	Inlet Hole	Code
175 A	300 A	32 V	Single pole	brass	M10	135mm	RE 60026



### MICRO CLOSING RELAY 12V

Miniaturized, but powerful and reliable. It opens and closes the circuit.

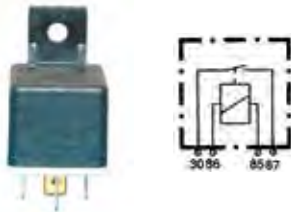
Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
20 A	12 V	1 NA	23 x 15,5 x 25 mm	4 Faston	-40°+125°	Black	RE 70049
30 A	12 V	1 NA	23 x 15,5 x 25 mm	4 Faston	-40°+125°	Red	RE 70046



### MICRO CLOSING RELAY 12V

It opens and closes the circuit.

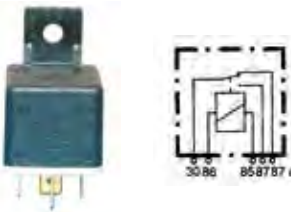
Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
20A	12V	1 NA	27,8 x 27,8 x 26,5	4 Faston	-40°+125°	Blue	RE 70047



### MINI CLOSING RELAY 12V HELLA

It opens and closes the circuit.

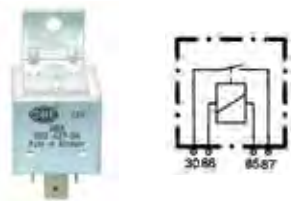
Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
30 A	12 V	1 NA	26 x 26 x 51 mm	4 Faston	-40°+125°	plastic	RE 70001
20 A	24 V	1 NA	26 x 26 x 51 mm	4 Faston	-40°+125°	plastic	RE 70002



### MINI EXCHANGE RELAY - HELLA

While opens a circuit, closed another.

Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
20/30 A	12 V	1NA+1NC	26 x 26 x 51 mm	5 Faston	-40°+125°	plastic	RE 70003
20 A	24 V	1NA+1NC	26 x 26 x 51 mm	5 Faston	-40°+125°	plastic	RE 70004



### MAXI CLOSING RELAY FOR HIGH PERFORMANCE

Body in metal for high mechanical resistance and for an efficient thermal dissipation.

Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
70 A	12 V	1 NA	34 x 33 x 68 mm	4 (2 F6,3 + 2 F9,5)	-40°+125°	metal	RE 70005
50 A	24 V	1 NA	34 x 33 x 68 mm	4 (2 F6,3 + 2 F9,5)	-40°+125°	metal	RE 70006



### MAXI CLOSING RELAY FOR HIGH PERFORMANCE

Furnished with M6 threaded studs for power rating. Coil resistance: 200HM

Degree of protection: IP67. Brass contact.

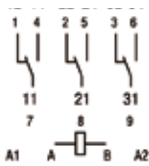
Amperage	Voltage	Circuits	Dimensions	Contacts	Op. temp.	Color	Code
200 A	12V	1 NA	46 x 46 x 78 mm	4 (2 F6,3 + 2 M6)	-40°+100°	plastic	RE 70007
100 A	24V	1 NA	46 x 46 x 78 mm	4 (2 F6,3 + 2 M6)	-40°+100°	plastic	RE 70008



### CASE FOR MICRO RELAY

With mounting brackets, fast-on, covers and gaskets.

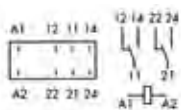
Number relay	Circuits	Dimensions mm	Transparent cover with gasket	Code
7	Micro	122,6 x 50 x 63	Yes	RE 60357
4	Mini	122,6 x 50 x 63	Yes	RE 60358



### 16A POWER RELAY

Plug-in mount (92 series socket). Faston 187 (4.8x0.5mm) with optional mounting adaptors. Contacts: AgCdO. AC or DC coil. Change-over contacts. Reinforced insulation between coil and contacts according to EN 60335-1. Mechanical indicator and test button.

Coil Voltage	Nominal Voltage	Nominal Current	Max breaking capacity	Change over contacts	Portata motore 230V	Categoria protezione	Weight	Code
230 V	250 V	16 A	30 A	3 changes	0,8 Kw	RT I	220 g	RE 60809
24 V	250 V	16 A	30 A	3 changes	0,8 Kw	RT I	360 g	RE 60810
12 V	250 V	16 A	30 A	3 changes	0,8 Kw	RT I	360 g	RE 60811

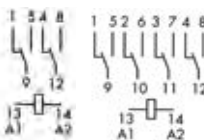


### INDUSTRIAL RELAY FOR PRINTED CIRCUIT (R.I.N.A. APPROVAL)

Continuos current	Max amperage	Contacts N°	Coil voltage	Contacts voltage	Dimensions mm	Degree IP	Operating Temperature	Code
8 A	15 A	2 exchange	12 V	250 V	29 x 12,4 x 25	50	-40° + 85°C	RE 60150
8 A	15 A	2 exchange	24 V	250 V	29 x 12,4 x 25	50	-40° + 85°C	RE 60151

#### MOUNTING BASE.

Max current rating	Wires section	Clamps	Dimensions	IP	Temperature	Code
10 A - 250 V	1,5 - 4 mm	8	78,6 x 15,8 x 60,9	20	-40° + 70°C	RE 60152

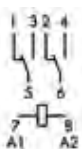


### INDUSTRIAL RELAY FOR PRINTED CIRCUIT (R.I.N.A. APPROVAL)

Continuos current	Max amperage	Contacts N°	Coil voltage	Contacts voltage	Dimensions mm	Degree IP	Operating Temperature	Code
10 A	20 A	2 exchange	12 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60153
10 A	20 A	2 exchange	24 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60154
5 A	10 A	4 exchange	12 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60156
5 A	10 A	4 exchange	24 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60157

#### MOUNTING BASE.

Max current rating	Wires section	Clamps	Dimensions	IP	Temperature	Code
10 A - 250 V	1,5 - 4 mm	8	75 x 27 x 42	20	-40° + 70°C	RE 60155
10 A - 250 V	1,5 - 4 mm	16	75 x 27 x 42	20	-40° + 70°C	RE 60158

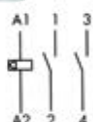


### INDUSTRIAL RELAY FOR PRINTED CIRCUIT (R.I.N.A. APPROVAL)

Continuos current	Max amperage	Contacts N°	Coil voltage	Contacts voltage	Dimensions mm	Degree IP	Operating Temperature	Code
12 A	20 A	2 exchange	12 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60159
12 A	20 A	2 exchange	24 V	250 V	27,7 x 20,7 x 36,7	50	-40° + 70°C	RE 60160

#### MOUNTING BASE.

Max current rating	Wires section	Clamps	Dimensions	IP	Temperature	Code
12 A - 250 V	1,5 - 4 mm	8	78 x 27 x 33,5	20	-40° + 70°C	RE 60161



### DOUBLE POLE IMPULSE MODULAR RELAY 16A (R.I.N.A. APPROVAL)

Six sequences available. Possibility of connecting lighting buttons.

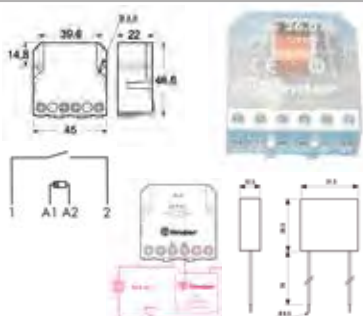
Continuos current	Max amperage	Contacts N°	Coil voltage	Contacts voltage	Dimensions mm	Degree IP	Operating Temperature	Code
16 A	30 A	2	12 V	250 V	84 x 17,4 x 59	20	-40° + 40°C	RE 60163
16 A	30 A	2	24 V	250 V	84 x 17,4 x 59	20	-40° + 40°C	RE 60164

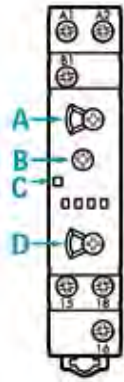
### IMPULSE MODULAR RELAY

Continuos current	Max amperage	Contacts N°	Coil voltage	Contacts voltage	Dimensions mm	Degree IP	Operating Temperature	Code
10 A	20 A	1	12 V	250 V	45 x 46,6 x 22	20	-40° + 40°C	RE 60165
10 A	20 A	1	24 V	250 V	45 x 46,6 x 22	20	-40° + 40°C	RE 60166

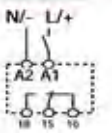
ADAPTER for control 12V.  
ADAPTER for control 24Vdc.

RE 60165/C  
RE 60166/C

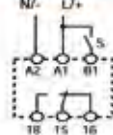




Schema di collegamento senza START esterno



Schema di collegamento con START esterno



## MODULAR TIMERS 80.01

DIN installation (35 mm EN 500022).

A - Rotative selector, timer.

B - Delay regulation.

C - LED slow blinking: ON - Relay OFF.

LED quick blinking: ON - timer in the making - Relay OFF.

LED fixed: ON - Relay ON.

D - Rotative selector function

MULTIFUNCTION:

AI: ON delay

DI: ON pulse

SW: Multi-function with solid state output

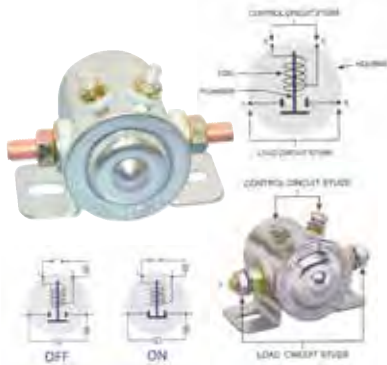
BE: Signal OFF delay

CE: Multi-function

DE: Multi-function



Model	Coil Voltage	Coil Voltage	Nominal Voltage	Nominal Current	Max instantant current	Function & Sange selection	Din Module 17,5 mm	Weight	Code
8001	12-230V	12-230V	250V	16 A	30 A	Rotative Sel	1 module	220 g	RE 60162



## COLE HERSEE SOLENOID

CONTINUOUS DUTY.

Not suitable for high current peaks. Silver power contacts

Copper M8 terminals. Corrosion resistant. Normal open contact.



Continuos rating	Voltage DC	Use	Dimension mm	Coil commands	Stud terminal	Coil	Absorption coil	Code
85 A	12 V	continous	80 x 64 x 60	Screws 5 mm	M8	Isolated	Zinc-steel	RE 60034
85 A	24 V	continous	80 x 64 x 60	Screws 5 mm	M8	Isolated	Zinc-steel	RE 60035
200 A	12 V	continous	80 x 64 x 60	Screws 5 mm	M8	Isolated	Zinc-steel	RE 60359
200 A	24 V	continous	80 x 64 x 60	Screws 5 mm	M8	Isolated	Zinc-steel	RE 60360



## BLUE SEA SOLENOID 12V-24V

Low coil absorption (max 3,8A).

Hermetically sealed contacts, corrosion resistant.

Anti-explosion. Safe for installation aboard gasoline powered boats.



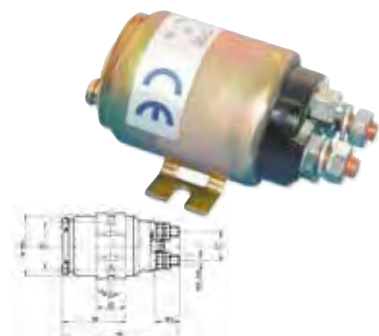
Continuos rating	Voltage DC	Cracking Rating 10"	Dimension mm	Range Temperature	Stud terminal	Coil	Absorption coil	Code
250 A	9-36 V	1000 A	80,52x66,80x72,64	-55°C + 85°C	M8	No	plastic	RE 60021
150 A	9-36 V	600 A	80,52x66,80x72,64	-40°C + 85°C	M8	No	plastic	RE 60027



## REMOTE CONTROL BATTERY SWITCH 60A

Low coil consumption.

Continuos rating	Voltage DC	Cracking Rating 5"	Dimension mm	Coil commands	Stud terminal	Coil	Absorption coil	Code
60 A	12V	500A	67 x 51 x 85	fast-on	M8	Isolated	1,8A	RE 60042
60 A	24V	500A	67 x 51 x 85	fast-on	M8	Isolated	0,9A	RE 60039



## REMOTE CONTROL BATTERY SWITCH 150A

Low coil consumption.

Continuos rating	Voltage DC	Cracking Rating 5"	Dimension mm	Coil commands	Stud terminal	Coil	Absorption coil	Code
150 A	12V	800A	56 x 51,5 x 101	Screws 4mm	M8	Isolated	1,8A	RE 60040
150 A	24V	800A	56 x 51,5 x 101	Screws 4mm	M8	Isolated	0,9A	RE 60041



## SOLENOIDS

Designed to operate electric motors (such as windlasses).

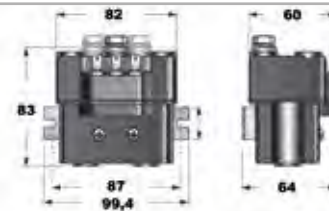


Continuous rating	Voltage DC	Model	Dimension mm	Coil commands	Stud terminal	Coil	Case materials	Code
100 A	12 V	T6215/12	57 x 55 x 83	Faston	M8	Isolated	Zinc-steel	RE 90069
150 A	24 V	T6215/24	57 x 55 x 97	Faston	M8	Isolated	Zinc-steel	RE 90074



## SOLENOID UNITS

Watertight units with two cabled solenoid. It is able to operate electric motors such as windlasses, gangways and capstans. Coil external connection with fast-on.



Model	Skein voltage	MAX voltage	MAX power engine	Interruption power 5ms	Intermittance current 5 ms	Protection grade	Engine n° threads	Weight gr	Code
T6315-12	12 V	48 Vdc	2500 W	800 A	150 A	IP 66	3	850 gr	RE 90061
T6315-24	24 V	48 Vdc	3500 W	800 A	150 A	IP 66	3	980 gr	RE 90062



## ML-SERIES HEAVY DUTY SOLENOID SWITCH



Waterproof, corrosion resistance.  
Bi-stable function: No current in ON or OFF state, only draws current.  
When charging state of switch - Silver alloy contacts.  
Regulatory: SAE J1171ISO 8846.  
Anti-explosion - Ignition protected.

Voltage DC	Cont. rating	Intermittent rating 5 minutes	Cranking Rating 10 sec	Manual switch	Coil commands	Stud terminal	Coil	Manual control	Code
12 V	300 A	500 A	2500 A	NO	2 wires	M10	Isolated	NO	RE 60964
24 V	300 A	500 A	2500 A	NO	2 wires	M10	Isolated	NO	RE 60965



## SOLENOID SERIES ML



It works like a normally open relay.  
Silver-plated contacts for maximum conductivity.  
LED output to indicate the status of the solenoid.  
Steel pins 3/8"-16.  
Explosion proof - It complies with the rules SAE J1171 -ISO 8846.

Voltage	Cont. rating	Intermittent rating 5 minutes	Cranking Rating 10 sec	Manual switch	Coil commands	Stud terminal	Coil	Range temperature	Code
9-16 Vdc	500 A	700 A	1450 A	NO	2 wires	M10	Isolated	10°C - 60°C	RE 60960
18-32 Vdc	500 A	700 A	1450 A	NO	2 wires	M10	Isolated	10°C - 60°C	RE 60961

# CONTACTORS ALBRIGHT



## CONTACTORS ALBRIGHT

Applications: switching or reversing. Windlasses bow thruster.  
High quality silver contacts. Single or double pole range. Up to 250A continuous range  
Voltage range: 12V or 24V.



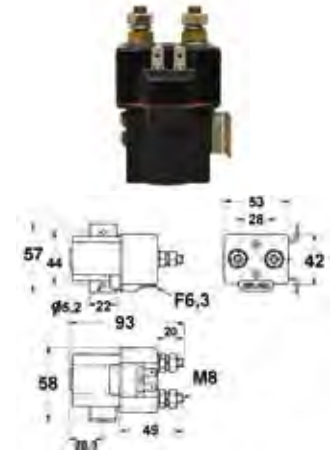
RE 60919



RE 60920



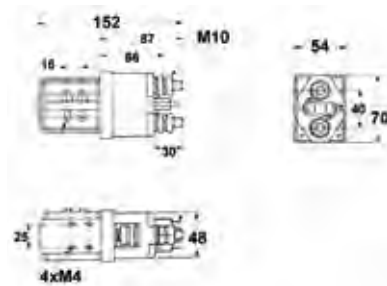
RE 60914



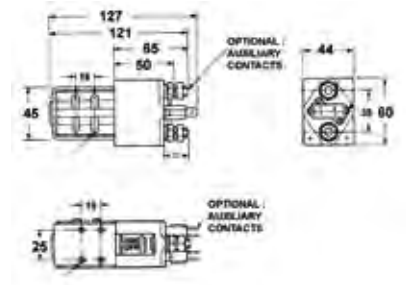
RE 60927



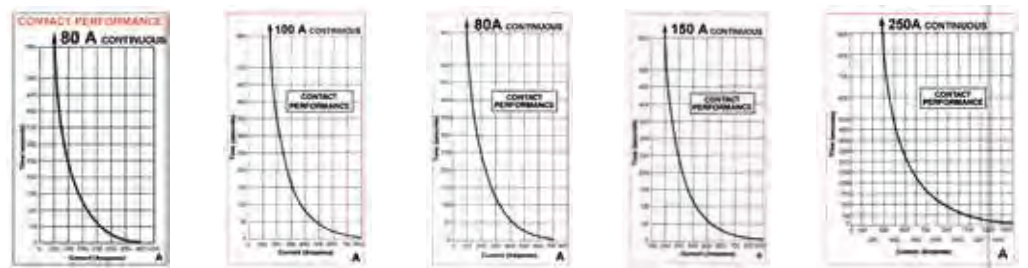
RE 60929-30



RE 60977



RE 60969



Model	Voltage range	Continuous amperage	Breaking current	Number pole n°	Contacts	Usage	Case close IP65	Weight	Code
SW60-3 24V	24V	80 A	500 A	1	1 NO	Intermittent	NO	-	RE 60919
DC66-10P 24V	24 V	80 A	500 A	-	-	Intermittent	YES	-	RE 60920
SW80-1 24V	24 V	100 A	800 A	1	1 NO	Intermittent	NO	350 g	RE 60914
SW80-375P 24V	24 V	100 A	800 A	1	1 NO	Intermittent	YES	350 g	RE 60927
DC88-492L 12V	12 V	100 A	800 A	1	1 NO	Motor reverse	NO	950 g	RE 60929
DC88-1 24V	24 V	100 A	800 A	1	1 NO	Motor reverse	NO	950 g	RE 60930
SW180-3 24V	24 V	150 A	1000 A	1	1 NO	Intermittent	NO	640 g	RE 60969
SW200-2 24V	24 V	250 A	1500 A	1	1 NO	Intermittent	NO	1350 g	RE 60977



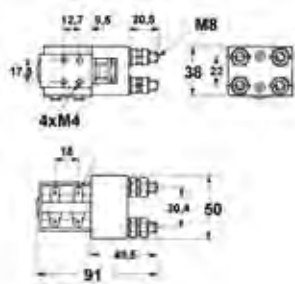
# CONTACTORS

## ALBRIGHT

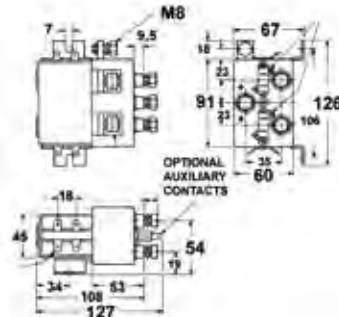


### CONTACTORS ALBRIGHT

Applications: switching or reversing. Windlasses bow thruster  
High quality silver contacts. Single or double pole range. Up to 250A continuously range.  
Voltage range: 12V or 24V.



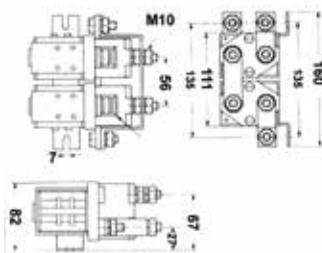
RE 60928



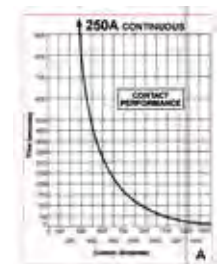
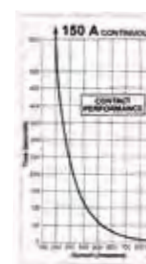
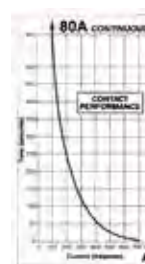
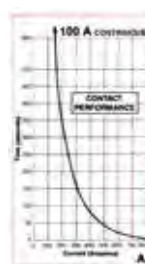
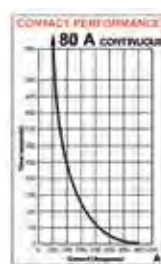
RE 60972-74-75



RE 60976



RE 60978-79



Model	Voltage range	Continuous amperage	Breaking current	Number poles n°	Contacts	Usage	Case close IP65	Weight	Code
SW82-3	24 V	100 A	800 A	2	2 NO	Intermittent	NO	430 g	RE 60928
DC182-656 12V	12 V	150 A	1000 A	2	1 NO +1 NC	Intermittent	NO	1660 g	RE 60972
DC182-3 24V	24 V	150 A	1000 A	2	1 NO +1 NC	Intermittent	NO	1660 g	RE 60974
DC182-691L 24V	24 V	150 A	1000 A	2	1 NO +1 NC	Intermittent	NO	1660 g	RE 60975
SW190B-3 24V	24 V	150 A	1000 A	2	2 NO	Intermittent	NO	760 g	RE 60976
SW202N-256 12V	12 V	250 A	1500 A	2	1 NO +1 NC	Motor reverse	NO	3350 g	RE 60978
SW202-2 24V	24 V	250 A	1500 A	2	1 NO +1 NC	Motor reverse	NO	3350 g	RE 60979



## SINGLE POLE REMOTE CONTROL BATTERY SWITCHES IP65

Two version: negative or positive disconnection.  
Common command of the coil. Silver plated copper contacts.  
Operating temperature: -40°C + 85°C.



Cont. amperage	Voltage supply	Highest lost	Dimensions mm	Coil command	Disconnection pole	Absorption coil	Power nuts	Code
250 A	12 V	2500 A	144 x 111 x 121	common	Positive	4,4 - 0,4A	M10	RE 60028
250 A	24 V	2500 A	144 x 111 x 121	common	Positive	3,4 - 0,3A	M10	RE 60029
250 A	12 V	2500 A	144 x 111 x 121	common	Negative	4,4 - 0,4A	M10	RE 60080
250 A	24 V	2500 A	144 x 111 x 121	common	Negative	3,4 - 0,3A	M10	RE 60081



## SINGLE POLE REMOTE CONTROL BATTERY SWITCHES IP65

With separate coil feeding. Silver plated copper contacts.  
Operating temperature: -40°C + 85°C.

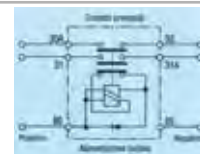


Cont. amperage	Voltage supply	Highest lost	Dimensions mm	Coil command	Disconnection pole	Absorption coil	Power nuts	Code
250 A	12 V	2500 A	144 x 111 x 121	SEPARAT	Pos or Neg	4,4 - 0,4A	M10	RE 60030
250 A	24 V	2500 A	144 x 111 x 121	SEPARAT	Pos or Neg	3,4 - 0,3A	M10	RE 60031



## DOUBLE POLE REMOTE CONTROL BATTERY SWITCHES IP65

Positive or negative disconnection. With separate coil feeding.  
Silver plated copper contacts. Operating temperature: -40°C + 85°C.



Cont. amperage	Voltage supply	Highest lost	Dimensions mm	Coil command	Disconnection pole	Absorption coil	Power nuts	Code
250 A	12 V	2500 A	144 x 111 x 121	SEPARAT	Pos + Neg	4,4 - 0,4A	M10	RE 60510
250 A	24 V	2500 A	144 x 111 x 121	SEPARAT	Pos + Neg	3,4 - 0,3A	M10	RE 60032



## BI-STABLE REMOTE CONTROL BATTERY SWITCH IP65

Ideal as an electrical battery switch.  
M12 tin plated brass connecting nuts.  
Manual control of emergency. Separate ON-OFF switch.  
Zero consumption. Contacts state signal.  
Included waterproof plug. Operating temperature: -40°C + 85°C.

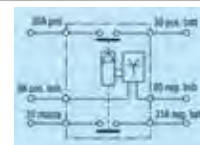


Cont. amperage	Voltage supply	Highest lost	Dimensions mm	Coil command	Disconnection pole	Absorption coil	Power nuts	Code
350 A	12 V	2500 A	144 x 111 x 121	SEPARAT	Pos or Neg	9,6 A	M12	RE 60068
350 A	24 V	2500 A	144 x 111 x 121	SEPARAT	Pos or Neg	4,9A	M12	RE 60088



## DOUBLE POLE BI-STABLE REMOTE CONTROL BATTERY SWITCH IP65

Ideal as an electrical battery switch. M12 tin plated brass connecting nuts.  
Separate ON-OFF switch. Operating temperature: -40°C + 85°C.



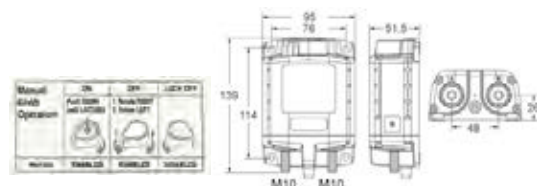
Cont. amperage	Voltage supply	Highest lost	Dimensions mm	Coil command	Disconnection pole	Absorption coil	Power nuts	Code
250 A	12 V	2500 A	144 x 111 x 121	SEPARAT	Pos + Neg	9,6 A	M10	RE 60511
250 A	24 V	2500 A	144 x 111 x 121	SEPARAT	Pos + Neg	4,9A	M10	RE 60512



## ML-SERIES HEAVY DUTY SOLENOID SWITCH



Waterproof, corrosion resistance (IP66).  
Bi-stable function:  
Power consume only when charging.  
Or discharging, non absorption in stable phase.  
Silver alloy contacts.  
Regulatory:  
SAE J1171 - ISO 8846 - UL 1500.



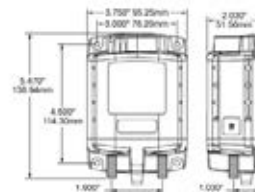
Voltage DC	Continuous rating	Intermittent rating 5 min	Cranking Rating 10 sec	Manual switch	Coil commands	Stud terminal	Coil	Manual control	Code
12V	500 A	700 A	2500 A	YES	2 wires	M10	Isolated	YES	RE 60966
24 V	500 A	700 A	2500 A	YES	2 wires	M10	Isolated	YES	RE 60967



## HEAVY DUTY SOLENOID SWITCH WITH AUTOMATIC RESET



Waterproof, corrosion resistance (IP66).  
Bi-stable function: Power consume only when charging.  
Or discharging, non absorption in stable phase.  
Silver alloy contacts.  
Automatic reset.  
Regulatory: SAE J1171 - ISO 8846 - UL 1500.



Voltage DC	Continuous rating	Intermittent rating 5 min	Cranking Rating 10 sec	Manual switch	Coil commands	Stud terminal	Coil	Manual control	Code
12V	500 A	700 A	1450 A	YES	1	M10	-	YES	RE 60962
24 V	500 A	700 A	1450 A	YES	1	M10	-	YES	RE 60963



## REMOTE CONTROL CONTURA SWITCHES



Provides switching of automatic charging relay.  
Only switch with lockout slide.  
Three switch mounted on 360 Blue Sea panel.

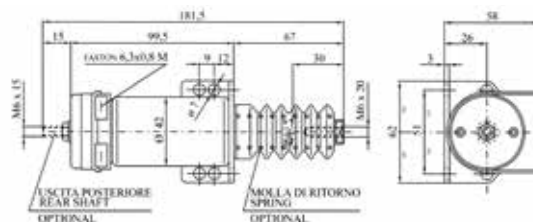
Model	Action	Switch number n°	Dimensions panel	Max amperage 12V	Max amperage 24V	Lockout slide	Back lighting	Codice
2145	ON*- OFF - ON*	1	NO	20 A	15 A	YES	LED	RE. 61231
1148	ON*- OFF - ON*	3	183x12,65x51	20 A	15 A	YES	LED	RE 61223

ON\*: momentary



## SOLENOID SWITCH C SERIES

For continuous use, Body connected to the ground.  
Composed by two electromagnetic circuits.  
START UP CIRCUIT.  
MAINTENANCE CIRCUIT.  
The exclusion of the starter circuit happens.  
When the unit has made the complete run.  
Ideal for TRACTION.  
Degree of protection: IP45.  
Insulation: H class. Mounting: Base and flange.



Voltage supply	Coil start absorption	Coil absorption	Running mm	Start running power	Power at 5 mm	Dimensions mm	Weight gr	Code
12V	30 A	0,5 A	30	40 N	120 N	181,5 x 62 x 45	900	RE 60822
24 V	15,4 A	0,27 A	30	40 N	120 N	181,5 x 62 x 45	900	RE 60823



**RAPID TYPE**

### GLASS FUSES 5X20

Amperage	Voltage	Dimensions	Pack	Type	Code
0,25A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10058
0,50A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10059
1A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10045
2A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10046
3A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10006
4A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10001
5A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10007
8A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10008
10A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10009
15A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10011
20A	12 - 24V	5 x 20 mm	50 pcs	rapid	RE 10012



**RAPID TYPE**

### GLASS FUSES 6,3X32

Amperage	Voltage	Dimensions	Pack	Type	Code
2A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10048
3A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10049
5A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10013
7,5A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10014
10A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10015
15A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10016
20A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10050
25A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10017
30A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10018
35A	12 - 24V	6,3 x 32 mm	50 pcs	rapid	RE 10019



**RAPID TYPE**

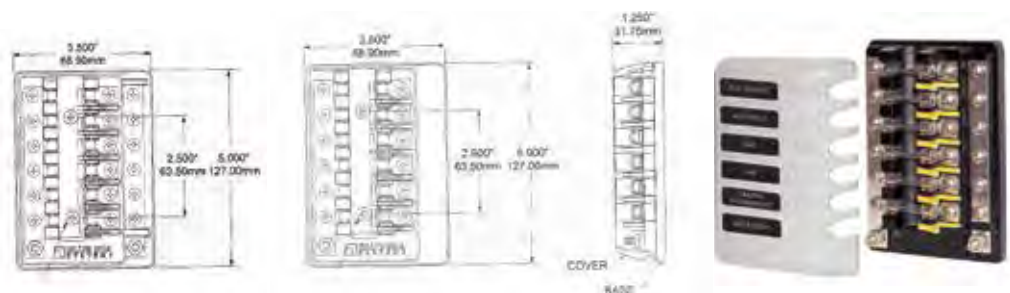
### GLASS FUSES 7X32

Amperage	Voltage	Dimensions	Pack	Type	Code
10A	12 - 24V	7 x 32 mm	50 pcs	rapid	RE 10122
12A	12 - 24V	7 x 32 mm	50 pcs	rapid	RE 10123
15A	12 - 24V	7 x 32 mm	50 pcs	rapid	RE 10124
20A	12 - 24V	7 x 32 mm	50 pcs	rapid	RE 10125

### GLASS FUSE BLOCKS

For glass fuse 6,3 x 32. In reinforced polycarbonate.

Bar and contacts in silver plated copper. Insulated cover and interchangeable labels.



Number ways	Max power	Dimensions	Connection	Grounding	Code
6 circuits	MAX 100A	89x127x32mm	Screw 4mm	NO	RE 60106
6 circuits + ground	MAX 100A		Screw 4mm	YES	RE 60108



### MINI-VAL FUSES

Amperage	Voltage	Dimensions	Pack	Type	Color	Code
2A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Grey	RE 10060
3A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Violet	RE 10061
4A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Pink	RE 10062
5A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Beige	RE 10063
7,5A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Brown	RE 10064
10A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Red	RE 10065
15A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Blue	RE 10066
20A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Yellow	RE 10067
25A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Natural	RE 10068
30A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Green	RE 10069



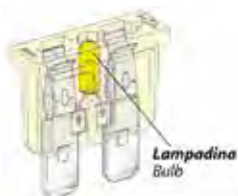
### MINI-VAL FUSES LOW PROFILE

Amperage	Voltage	Dimensions	Pack	Type	Color	Code
2A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Grey	RE 10126
3A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Violet	RE 10127
4A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Pink	RE 10128
5A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Beige	RE 10129
7,5A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Brown	RE 10130
10A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Red	RE 10131
15A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Blue	RE 10132
20A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Yellow	RE 10133
25A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Natural	RE 10134
30A	12 - 24V	11,2 x 4 mm	25 pcs	rapid	Green	RE 10135



### UNI-VAL FUSES

Amperage	Voltage	Dimensions	Pack	Type	Color	Code
1A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Black	RE 10070
2A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Grey	RE 10071
3A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Violet	RE 10072
4A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Pink	RE 10073
5A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Beige	RE 10026
7,5A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Brown	RE 10074
10A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Red	RE 10027
15A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Blue	RE 10028
20A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Yellow	RE 10075
25A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	White	RE 10029
30A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Green	RE 10030
40A	12 - 24V	19 x 5,5 mm	100 pcs	rapid	Orange	RE 10031



### WARNING LIGHT FOR UNIVAL FUSES

To be installed between the fuseholder and the UNI-VAL fuse. A light inside switches on when a fuse blows. It can be mounted on every UNI Val fuse from 1A to 40A.

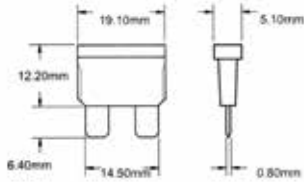
Type of fuse	Fuse compatible	Visual alarm	Dimensions	Pack	Code
1 - 40A	Every UNI-VAL fuses	YES	19 x 5,5 x 20 mm	10 pcs	RE 60364



### BOX WITH FUSE KIT 80 PCS

Practical box with separating and transparent cover that can be opened.

Type of fuse	number division	Range of fuses	Dimensions box	Code
UNI-VAL	8	4A-5A-7,5A-10A-15A-20A-25A-30A	164 x 117 x 36 mm	RE 10021
MINI-VAL	8	80 Pcs (total)	164 x 117 x 36 mm	RE 10101

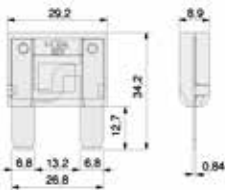


### ATO/ATC FUSES

Similar to UNI-VAL but the insulated part has a different thickness.  
Necessary as a spare part for the fuseholder Blue Sea RE60238-RE60239.

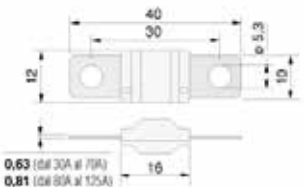
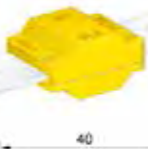


Amperage	Voltage	Interr. cap.	Dimensions	Type	Pack	Code
3A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10103
5A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10104
7,5A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10105
10A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10106
15A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10107
20A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10108
25A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10109
30A	12 - 24V	1.000 A	19,1 x 5,1 mm	rapid	10 pcs	RE 10110



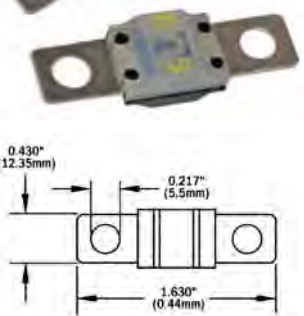
### MAXI-VAL FUSES

Amperage	Voltage	Color	Type	Dimensions	Pack	Interr. cap.	Code
20A	12 - 24V	Yellow	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10076
30A	12 - 24V	Green	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10078
40A	12 - 24V	Orange	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10079
50A	12 - 24V	Red	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10080
60A	12 - 24V	Blue	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10081
70A	12 - 24V	Beige	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10082
80A	12 - 24V	Natural	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10083
100A	12 - 24V	Violet	rapid	29 x 8,8 mm	10 pcs	1,000 A	RE 10084



### MIDI-VAL FUSES

Amperage	Voltage	Interr. cap.	Dimensions	Distance hole	Color	Pack	Code
30A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Orange	1 pcs	RE 10023
40A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Green	1 pcs	RE 10024
50A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Red	1 pcs	RE 10025
60A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Yellow	1 pcs	RE 10039
70A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Brown	1 pcs	RE 10040
80A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Natural	1 pcs	RE 10041
100A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Blue	1 pcs	RE 10042
125A	12 - 24V	1.000 A	40 x 10 mm	30 mm	Pink	1 pcs	RE 10043

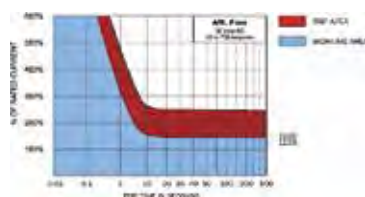
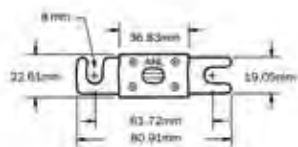
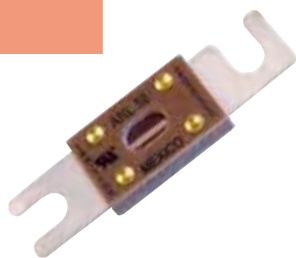


### MIDI FUSES

Ideal for circuits including inverters, windlasses, bow thrusters.  
Different colors for different amperage.



Amperage	MAX supply	Inverter capacity 12V DC	Dimensions	Distance between holes	Color	Code
30A	32V DC	5000	44 x 12,35	30	Orange	RE 10160
40A	32V DC	5000	44 x 12,35	30	Green	RE 10161
50A	32V DC	5000	44 x 12,35	30	Red	RE 10162
60A	32V DC	5000	44 x 12,35	30	Yellow	RE 10163
70A	32V DC	5000	44 x 12,35	30	Brown	RE 10164
80A	32V DC	5000	44 x 12,35	30	Natural	RE 10165
100A	32V DC	5000	44 x 12,35	30	Blue	RE 10166
125A	32V DC	5000	44 x 12,35	30	Pink	RE 10167
150A	32V DC	5000	44 x 12,35	30		RE 10168
175A	32V DC	5000	44 x 12,35	30		RE 10169
200A	32V DC	5000	44 x 12,35	30		RE 10170

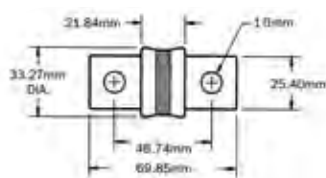


### ANL FUSES

Amperage	Voltage	Interr. cap.	Dimensions	Distance hole	Pack	Code
50A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10086
60A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10087
80A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10089
100A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10112
150A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10090
175A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10113
200A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10091
250A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10092
300A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10093
350A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10094
400A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10095
500A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10096
600A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10097
750A	32V	6.000 A	80,9 x 22,6 mm	61,72 mm	1 pcs	RE 10100

### ANL FUSES

Amperage	Interr. cap.	Voltage	Dimensions	Distance hole	Pack	Code
50A	2.700A	80V	82 x 20	60	1	RE 10200
80A	2.700A	80V	82 x 20	60	1	RE 10202
100A	2.700A	80V	82 x 20	60	1	RE 10203
160A	2.700A	80V	82 x 20	60	1	RE 10204
175A	2.700A	80V	82 x 20	60	1	RE 10205
200A	2.700A	80V	82 x 20	60	1	RE 10206
225A	2.700A	80V	82 x 20	60	1	RE 10207
250A	2.700A	80V	82 x 20	60	1	RE 10208
275A	2.700A	80V	82 x 20	60	1	RE 10209
300A	2.700A	80V	82 x 20	60	1	RE 10210
355A	2.700A	80V	82 x 20	60	1	RE 10211
400A	2.700A	80V	82 x 20	60	1	RE 10212
500A	2.700A	80V	82 x 20	60	1	RE 10213



### CLASS T FUSES

For circuit protection of devices including inverters. Military approval. Extremely fast short-circuit response. High interrupt capacity.

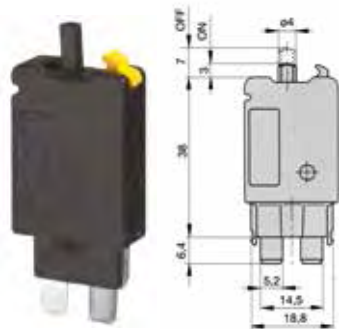
#### 46,99 MM

Amperage	Voltage	Interr. cap.	Dimensions	Distance hole	Pack	Code
225A	160V	20.000 A	69,85x33,27 mm	46,99 mm	1 pcs	RE 10118
250A	160V	20.000 A	69,85x33,27 mm	46,99 mm	1 pcs	RE 10054
300A	160V	20.000 A	69,85x33,27 mm	46,99 mm	1 pcs	RE 10055
350A	160V	20.000 A	69,85x33,27 mm	46,99 mm	1 pcs	RE 10056
400A	160V	20.000 A	69,85x33,27 mm	46,99 mm	1 pcs	RE 10057

### FUSIBILI MEGA-VAL

Amperage	Voltage	Interr. cap.	Dimensions	Distance hole	Color	Pack	Code
100A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Yellow	1 pcs	RE 10032
125A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Green	1 pcs	RE 10033
150A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Orange	1 pcs	RE 10034
175A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Natural	1 pcs	RE 10035
200A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Blue	1 pcs	RE 10036
225A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Beige	1 pcs	RE 10037
250A	12 - 24V	2.000 A	68,6x 19,1 mm	50,8 mm	Pink	1 pcs	RE 10038
500A	12 - 24V	2.000 A	40 x 10 mm	30 mm	Brown	1 pcs	RE 10156





## RESETTABLE FUSES

Rapid switching system and independent unhook.  
Working temperature: - 30°C +60°C.  
UNI-VAL fuse holders.

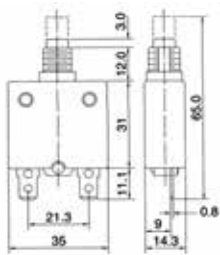


Nominal current	Interrupt capacity	MAX supply	Poles N°	Dimensions	Contacts	MAX width	Code
5A	400A	28V	1	22 x 9,8 x 51,4 mm	Faston	11 mm	RE 60441
10A	400A	28V	1	22 x 9,8 x 51,4 mm	Faston	11 mm	RE 60442
15A	400A	28V	1	22 x 9,8 x 51,4 mm	Faston	11 mm	RE 60443
20A	400A	28V	1	22 x 9,8 x 51,4 mm	Faston	11 mm	RE 60444
25A	400A	28V	1	22 x 9,8 x 51,4 mm	Faston	11 mm	RE 60445



## PUSH-BUTTON THERMAL PROTECTIONS

Thermal circuit breakers: they open the contacts when the charge exceeds the amperage.  
Push the button if you want to reset.  
They don't allow to open and close the circuit manually, they are only protections.



Power	Voltage CA	Voltage DC	Cranking rating	Dimensions	Contacts	Inlet hole	Code
5A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60012/5
10A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60013/10
15A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60014/15
20A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60015/20
25A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60016/25
30A	250V CA	-	1000 A	35 x 15 x 57 mm	Faston	10 mm	RE 60017/30

## TRANSPARENT PROTECTION CAP IP 66

It has to be put on the protection wire and it make completely waterproof.

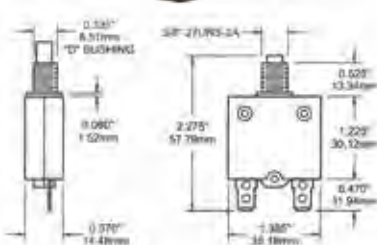
RE 60084



## PUSH-BUTTON THERMAL PROTECTIONS BLUE SEA



Mounted on some watertight panels with toggle or lever switch.



Power	Voltage CA	Voltage DC	Cranking rating	Dimensions	Contacts	Inlet hole	Code
3A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60236
5A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60237
10A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60167
15A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60168
20A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60169
25A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60170
30A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60171
40A	250 V	32 V	3000 A	35 x 14,5 x 58,6 mm	Faston	10 mm	RE 60173



## WHITE PROTECTION CAP IP 66

RE 60174



## BLACK PROTECTION CAP IP 66

RE 60175



## TRANSPARENT PROTECTION CAP IP 67

RE 60229





### COUPLING FUSE HOLDER BLUE SEA

For glass fuses 6,3x32mm.  
Max delivery 30A.



Model	Waterproof	Amp. Max	Volt. Max	Fuse	Code
5060	NO	30A	32V	Glass 6,3x32	RE 60132
5061	YES	30A	32V	Glass 6,3x32	RE 60133



### COUPLING FUSE HOLDER FOR GLASS FUSES

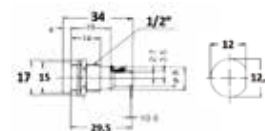
For glass fuses 5x20.

Power	Voltage	Dimensions	Connections	Section wires	Pack	Code
1 - 20 A	12-24V	14 x 46 mm	Screw clamps	1-2,5 mm	25 pcs	RE 60078



### WATERTIGHT FUSE HOLDER FOR PANEL

For glass fuses 5x20.  
Degree of protection: IP67.



Power	Voltage	Dimensions	Connections	Inlet hole	Pack	Code
1 - 20 A	32V	15 x 45 mm	Faston	12,5 mm	10 pcs	RE 60083



### WATERTIGHT FUSE HOLDER FOR PANEL

For glass fuses 6,3x32mm.  
Degree of protection: IP67.



Power	Voltage	Dimensions	Connections	Inlet hole	Pack	Code
1 - 35 A	32V	15 x 53 mm	Faston	12,5 mm	10 pcs	RE 60097



### WATERTIGHT FUSE HOLDER FOR PANEL

For glass fuses 6,3x32mm.

Power	Voltage	Dimensions	Connections	Inlet hole	Pack	Code
1 - 35 A	32V	18 x 50 mm	at solder	12,5 mm	10 pcs	RE 60073



### GLASS FUSE BLOCKS

For glass fuse 6,3 x 32.  
In reinforced polycarbonate.  
Bar and contacts in silver plated copper.  
Insulated cover and interchangeable labels.



No. ways	Voltage	Total power	Dimensions	Connection	Code
6 circuits + grounding	MAX 32V	MAX 100A	71 x 170 x 63	screw 4 mm	RE 60537
12 circuits + grounding	MAX 32V	MAX 100A	71 x 284 x 63	screw 4 mm	RE 60538



## FUSE HOLDERS ATO/ATC WATERTIGHT

Made of reinforced polycarbonate. Bars and contacts in silver-plated copper.  
Waterproof IP66. Pressure-fit lid.

N° ways	Total power	Dimensions	Connection	Studs	Code
4 circuits	80 A	120 x 96 x 50 mm	Screw 4 mm	5 mm	RE 60525



## GLASS FUSE BLOCKS ATO/ATC

In reinforced polycarbonate.  
Bar and contacts in silver-plated copper.  
Distribution bar negative pole, included.  
Insulated cover and interchangeable labels.

N° ways	Total power	Dimensions	Connection	Grounding	Pos.&neg.studs	Code
6 circuits	MAX 100A	54x131x39 mm	Screw 4 mm	NO	Bolt 5mm	RE 60539



## GLASS FUSE BLOCKS ATO/ATC UNIVAL

In reinforced polycarbonate.  
Bar and contacts in silver-plated copper.  
Distribution bar negative pole, included.  
Insulated cover and interchangeable labels.



N° ways	Total power	Dimensions	Connection	Grounding	Pos.&neg.studs	Code
6 circuits+grounding	MAX 100A	84x124x39 mm	Screw 4 mm	YES	Bolt 5mm	RE 60238
12 circuits+grounding	MAX 100A	84x164x39 mm	Screw 4 mm	YES	Bolt 5mm	RE 60239



## GLASS FUSE BLOCKS ATO/ATC

In reinforced polycarbonate.  
Bar and contacts in silver-plated copper.  
Distribution bar negative pole, included.  
Insulated cover and interchangeable labels.



N° ways	Total power	Dimensions	Connection	Grounding	Pos.&neg.studs	Code
4	MAX 100A	92,5x43,80x32,5 mm	Screw 4mm	NO	bolt 5mm	RE 60540
8	MAX 100A	146x43,80x32,5 mm	Screw 4mm	NO	bolt 5mm	RE 60541



## MULTIPLE FUSE HOLDER FOR UNI-VAL FUSES

Fast-on rear outputs.  
Splash-proof cover included.

N° ways	MAX power	Dimensions	Connection	Cover	Pack	Code
4	4 x 30A	65x26x53 mm	Faston	trasp.	1 pcs	RE 60063
6	6 x 30A	85x26x58 mm	Faston	trasp.	1 pcs	RE 60064



## MULTIPLE FUSE HOLDER FOR UNI-VAL FUSES

Fast-on side outputs.  
Splash-proof cover included with O-ring.

N° ways	MAX power	Dimensions	Connection	Cover	Pack	Code
4	4 x 30A	80x45x37 mm	Faston	trasp+O-ring	1 pcs	RE 60065
6	6 x 30A	100x45x37 mm	Faston	trasp+O-ring	1 pcs	RE 60066
8	8 x 30A	100x45x37 mm	Faston	trasp+O-ring	1 pcs	RE 60067



### WATERTIGHT FUSE HOLDER FOR MINI-VAL

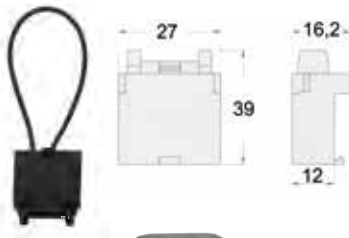
RE 60527



### MODULAR FUSE HOLDER FOR UNI-VAL

UNI-VAL complete fuse holder with splash-proof transparent cover. With side mounting link and tweezers for extracting the fuse.

N° ways	MAX power	Dimensions	Connection	Cover	Pack	Code
1	1 x 30A	27x12x43 mm	Faston	trasp.	1 pcs	RE 60070



### MODULAR FUSE HOLDER FOR UNI-VAL

UNI-VAL fuse holder. Prewired with wires.

N° ways	MAX power	Dimensions	Connection	Cover	Pack	Code
1	1 x 30A	27x12x43 mm	Wires	NO	25 pcs	RE 60077



### WATERTIGHT FUSE HOLDER FOR UNI-VAL

RE 60528



### WATERTIGHT FUSE HOLDER FOR MAXI-VAL

RE 60519



### MODULAR WATERTIGHT FUSE HOLDER FOR MAXI-VAL

MAXI-VAL fuse holder with upper cover with O-ring.

Power	Voltage	Dimensions	Fast-on connections	Cover	Pack	Code
20 - 100A	12-24V	47x19x80 mm	Female to be crimped	Sup + inf	1 pcs	RE 60507

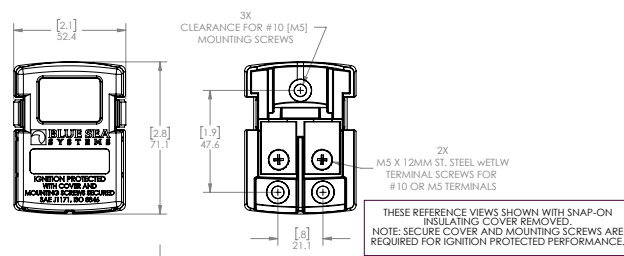


### BLUE SEA FUSE HOLDER FOR MAXI-VAL

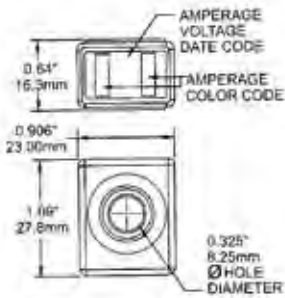


In reinforced polycarbonate. Accepts wire from side or bottom.

Power	Voltage	Dimensions	Connections	Screw sect.	Cables	Pack	Code
30 - 80A	32V	52,4x 71,1 mm	Screw	5 mm	6-16 mm	1 pcs	RE 60141



# TERMINAL FUSE BLOCKS



## TERMINAL FUSES (30 - 300A)

Power	Supply	Dimensions	Inter. Cap. 12V	Inter. Cap. 12V	Hole stud	Code
30	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10140
40	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10141
50	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10142
60	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10143
75	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10144
80	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10145
90	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10146
100	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10147
125	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10148
150	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10149
175	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10150
200	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10151
250	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10153
300	12-24V	27,8x23x16,3	10000A	5000A	8,3mm	RE 10154



## FUSE HOLDER FOR BATTERY POLE

To be installed directly on battery pole.

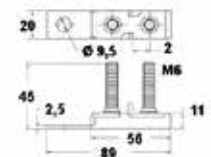
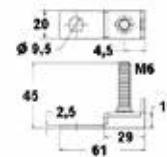
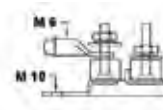
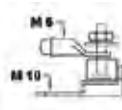
Fuse 30 ÷ 300A.

For INVERTER/WINDLASSES/BOW THRUSTERS.

1 fuse version.

2 fuses version.

Protection cap  
with red rubber.



Model	Fuse holder	MAX Supply V	MAX Power A	Dedicated fuses	Studs M6	Inlet hole diameter	Dimensions mm	Code
5191	1	58 V	300 A	30-300 A	1	Ø 13,5 mm	20 x 61 x 45	RE 60524
2151	2	58 V	300 A	30-300 A	2	Ø 13,5 mm	20 x 89 x 45	RE 60535

## FUSE HOLDER FOR DEDICATED FUSES

Type	Power	Voltage	Terminals	Code
3 independent terminals	240 A	12 - 24 V	MB	RE 60508
3 common terminals	240 A	12 - 24 V	MB	RE 60509





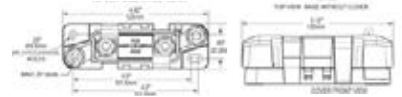
## MIDI-VAL FUSE HOLDER

Power A	Voltage V	Dimensions mm	Connections	Screw sect.	Cables	Pack	Code
30-125	12-24	73x40x22	Screw	6mm	6-16 mm	5 pcs	RE 60074



## MIDI VAL FUSE BLOCKS

Input Cable 180°  
Insulating cover satisfies ABYC/USCG insulation requirements.  
Stainless steel studs provide resistance to corrosion.  
UL 94-VO base resists high heat.



Model	Type fuses	Power A	Voltage V	Studs	Maximum torque	Dimens. mm	Weight	Code
7720	MIDI-VAL	30-200	32	2xM8	12,40 Nm	103x38x42	200 g	RE 60536



## MEGA-VAL FUSE HOLDER

Accepts wire sizes from 10 to 35 mm.  
For the maximum protection after crimping the cables cover everything with a heat shrinkable sheath.

Power A	Voltage V	Dimensions mm	Connections	Screw sect.	Cables	Pack	Code
100-250	12-24	123 x 33,6 x 24,6	crimping	8mm	10-35 mm	1pcs	RE 60075

Mounting support

RE 60076



## MEGA OR AMG FUSE BLOCK

Made of sturdy reinforced polycarbonate.  
Insulated transparent cover.

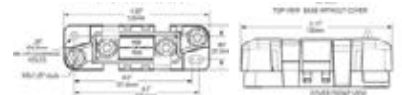


Power A	Voltage VDC	Dimensions mm	Section screws	Max load cable sect.	Package	Code
100-300	32	103,38x38,10x41,87	5/16" -18 (M8)	120 mmq	1 pcs	RE 60071



## MEGA VAL FUSE BLOCKS

Input Cable 180°  
Insulating cover satisfies ABYC/USCG insulation requirements.  
Stainless steel studs provide resistance to corrosion.  
UL 94-VO base resists high heat.

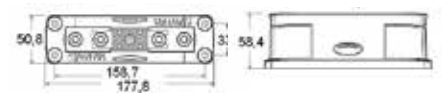


Model	Type fuses	Power A	Voltage V	Studs	Maximum torque	Dimens. mm	Weight	Code
7721	MEGA-VAL	100-300	32	2xM8	12,40 Nm	103x38x42	200 g	RE 60531

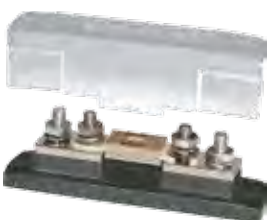


## ANL FUSE BLOCKS (35-300A)

Input cable 180°  
Insulating cover satisfies ABYC/USCG insulation requirements.  
Stainless steel studs provide resistance to corrosion.  
UL 94-VO base resists high heat.

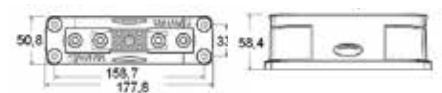


Model	Type fuses	Power A	Voltage V	Studs	Maximum torque	Dimens. mm	Weight	Code
5505	ANL	35-300	32	2xM8	12,40 Nm	114x38x42	160 g	RE 60532



## ANL FUSE BLOCKS (35-750A)

Input cable 180°  
Insulating cover satisfies ABYC/USCG insulation requirements.  
Stainless steel studs provide resistance to corrosion.  
UL 94-VO base resists high heat.

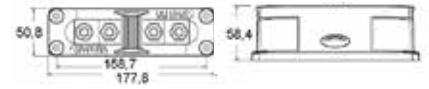


Model	Type fuses	Power A	Voltage V	Studs	Maximum torque	Dimens. mm	Weight	Code
5503	ANL	35-750	32	4xM8	12,09 Nm	178x51x58	160 g	RE 60533



### CLASS-T FUSE BLOCKS (225 - 400A)

Input cable 180°  
Insulating cover satisfies ABYC/USCG insulation requirements  
Stainless steel studs provide resistance to corrosion  
UL 94-V0 base resists high heat



Model	Type fuses	Power A	Voltage V	Studs	Maximum torque	Dimens. mm	Weight	Code
5502	CLASS T	225 - 400	160	4xM10	21,47 Nm	178 x 51 x 58	160 g	RE 60534



### CLASS-T FUSE BLOCKS

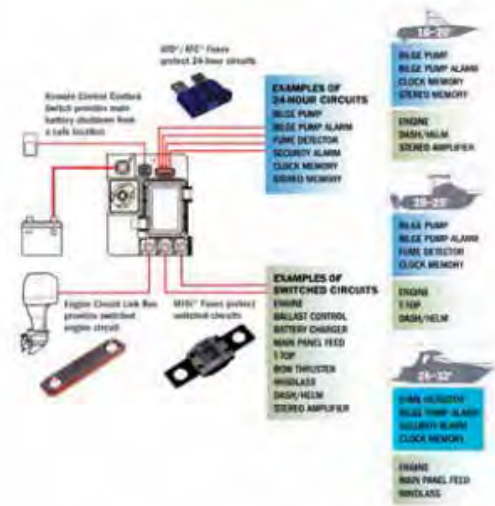
Snap-on terminal cover insulates all conductive parts, satisfying ABYC/USCG requirements  
Cover breakouts allow wires from 180°. Terminal screws compress fuse lades within blocks for low resistance connections. Label recess accepts large format label.

Amperage max	Voltage max	Terminals	Code
110 A - 200 A	160 VCC	5/16"-18 (M8)	RE 60542
225 A - 400 A	160 VCC	3/8"-16 (M10)	RE 60543



### SAFETYHUB 100

Ideal for gasoline ships.  
With this solution you can reduce number of cables and fuse holders (space as well).  
IP 66.  
ISO 8846, SAE J1171.



Model	Supply V	MAX Power A	MIDIVAL Fuses	ATO/ATC Fuses	Terminals	Code
7725	12	300	3	4	M8	RE 60650



### SAFETYHUB 150

Ideal for gasoline ships.  
With this solution you can reduce number of cables and fuse holders (space as well).  
It can be used as primary voltage distributor or secondary.  
IP 66.  
ISO 8846, SAE J1171.

Model	Supply V	MAX Power A	MIDIVAL Fuses	ATO/ATC Fuses	Terminals	Code
7748	12	350	4	6	M8	RE 60652



- 360 Panel System Electrical Panels
- 360 Panel System Modular Panels
- DC Electric Panels
- AC Electric Panels
- AC/DC Electric Panels
- Aber Marine Panels
- IP 67 Watertight Panels
- Rotary Switch Source Selection Panels
- Panel Accessories
- DC Digital Meters
- DC Analog Meters
- AC Digital Meters
- AC Analog Meters



## BELOWDECK CIRCUIT BREAKER PANELS

The integrated circuit breaker switch provides circuit protection and offers the ability to shut off the panel, preventing parasitic draw. Illuminated Carling Technologies™ 15A circuit breaker switch. Pre-wired harness. Polycarbonate/ABS panel face is UV-stabilized, flame retardant, and will not corrode. Simple two-wire installation.



Model	Composition	Dimensions	Operating voltage	Code
4353	1 x 15 A circuit breaker 1 x 12 v plug 1 x double usb plug	125,4 x 57,2 x 64,3	12 V	RE 61330



Model	Composition	Dimensions	Operating voltage	Code
4354	1 x 15 A circuit breaker 2 x double usb plug	125,4 x 57,2 x variable	12 V	RE 61331



Model	Composition	Dimensions	Operating voltage	Code
4355	1 x 15 A circuit breaker 1 x 12 v plug 2 x double usb plug	168,0 x 57,2 x 64,3	12 V	RE 61332



Model	Composition	Dimensions	Operating voltage	Code
4356	1 x 15 A circuit breaker 1 x 12 v plug 1 x double usb plug 1 x digital voltmeter	168,0 x 57,2 x 69,8	12 V	RE 61333



Model	Composition	Dimensions	Operating voltage	Code
4357	1 x 15 A circuit breaker 3 x blank apertures	168,0 x 57,2 x variable	12 V	RE 61334

## WATERTIGHT PANELS (IP 66)

Equipped with 15A backlit switches in the ON position. Made of UV-resistant, anti-corrosion polycarbonate. Includes 30 square label kit. Low profile (44.45mm) for installations even in tight spaces.



4320



4321



4322

Model	Composition	Operating voltage	Max Amperage	Dimensions mm	Code
4320	4 x circuit breaker 15A	12 > volt	45 A	17,47x 127	RE 61338

Model	Composition	Operating voltage	Max Amperage	Dimensions mm	Code
4321	4 x circuit breaker 15A 1 x lighter socket 1 x double plug USB	12 volt	45 A	117,47x 168,27	RE 61339

Model	Composition	Operating voltage	Max Amperage	Dimensions mm	Code
4322	6 x circuit breaker 15A	12 > volt	45 A	117,47x 168,27	RE 61340



# WATERPROOF PANELS



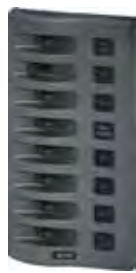
6 Ways



2 Ways



4 Ways



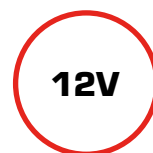
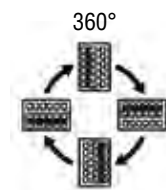
8 Ways

## WATERTIGHT PANELS

Rated IP 67.  
 Panels can be mounted in four different orientations.  
 Constructed from corrosion resistant materials.  
 Toggle switch.  
 Integrated switch guards prevent accidental switching.  
 Back dimmable lighting.



**FUSES VERSION (DESIGNED FOR 12V SYSTEMS ONLY).**  
 Integrated ATO/ATC fuse-based circuit protection.  
 Independent label backlighting circuit for remote switching and dimming.  
 Bi-colored LEDs for backlighting: ON (green) OFF (red) for easy identification.



N° ways	Panel Orientation	Switch model	Working voltage CC	PMAX panel power	Switch Power at 12V	UNI-VAL fuse protection	Dimensions L x H x W mm	Code
8	360°	ON - OFF	12V	100 A	15 A	15 A	98,6 x 195,6 x 63,5	RE 61127
6	360°	ON - OFF	12V	90 A	15 A	15 A	98,6 x 152,4 x 63,5	RE 61125
4	360°	ON - OFF	12V	60 A	15 A	15 A	98,6 x 109,2 x 63,5	RE 61123
2	360°	ON - OFF	12V	30 A	15 A	15 A	98,6 x 66,04 x 63,5	RE 61121



8 Ways

## HEAT RESTORE

Hooded protection.



### BREAKERS VERSIONE (DESIGNED FOR 12 OR 24V)

Integrated push button reset only circuit breakers  
 for circuit protection Bi-colored LEDs for backlighting: ON (green) OFF (red).

N° ways	Panel Orientation	Switch model	Working voltage CC	MAX panel power	Switch Power at 12V	UNI-VAL fuse protection	Dimensions L x H x W mm	Code
6	360°	ON - OFF	12 - 24 V	45 A	15 A/9 A	15 A	107,9 x 152,4 x 88,9	RE 61176
4	360°	ON - OFF	12 - 24 V	45 A	15 A/9 A	15 A	107,9 x 109,2 x 88,9	RE 61177
8	360°	ON - OFF	12 - 24 V	45 A	15 A/9 A	15 A	107,9 x 181,3 x 88,9	RE 61167



6 Ways



4 Ways

## CONTURA WATERPROOF FUSE PANELS

Rated IP66  
Glass fuses 6.3x32 at 10A included  
Constructed from corrosion resistant materials  
Completely wired and ready to install  
ON-OFF Contura switches  
Vertical position: 30 labels included  
Horizontal position: 60 labels included  
ON indicating LEDs embedded in switch  
Grey toggle switch (black finish if requested)  
One switch panel is for bilge pump (Auto-Off-On)

**BAIT  
PUMP**



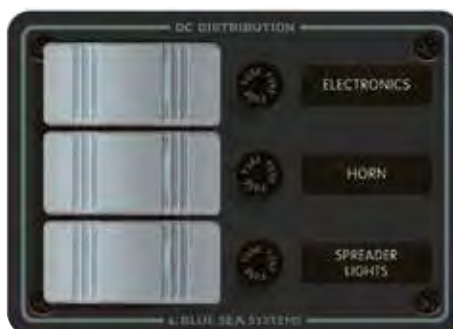
RE 61021



RE 61038



RE 61037



RE 61010



RE 61011

Bilge pumps



RE 80108

N° ways	Panel Orientation	Switch model	Working voltage CC	MAX panel power	Switch Power at 12V-24V	Glass fuse 6,3x32	Dimensions L x H x W mm	Code
8	HORIZONTAL	ON - OFF	12-24 V	45 A	20 A - 15 A	10 A	238x95,2x76,2	RE 61038
6	VERTICAL	ON - OFF	12-24 V	45 A	20 A - 15 A	10 A	133,3x190,5x76,2	RE 61011
4	HORIZONTAL	ON - OFF	12-24 V	45 A	20 A - 15 A	10 A	133,3x95,2x76,2	RE 61037
3	VERTICAL	ON - OFF	12-24 V	45 A	20 A - 15 A	10 A	133,3x95,2x76,2	RE 61010
1	VERTICAL	ON * - OFF - ON	12-24 V	45 A	20 A - 15 A	10 A	57,1x95,2x76,2	RE 80108
1	VERTICAL	ON * - OFF dual USB	12-24 V	45 A	20 A - 15 A	10 A	133,3x190,5x76,2	RE 61021

# WATERPROOF PANELS



RE 61113



RE 61114

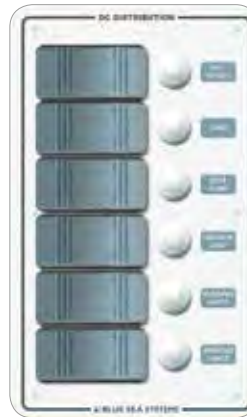


RE 61112

## CONTURA WATERPROOF PANELS

Rated IP 66. Push button circuit breaker with waterproof boot  
 Constructed from corrosion resistant materials  
 Completely wired and ready to install  
 ON-OFF Contura switches. ON indicating LEDs embedded in toggle switches

WHITE PANELS:  
 grey toggle switches  
 BLACK PANELS:  
 black toggle switches.



RE 61111



RE 61122

N° ways	Panel Orientation	Switch model	MAX voltage CC	MAX panel power	Switch Power at 12V - 24V	Switch Protection rating	Dimensions L x H x W mm	Code
8	HORIZONTAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	238 x 107,9 x 82,5	RE 61114
6	VERTICAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	114,3 x 190,5 x 82,5	RE 61111
4	HORIZONTAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	133,3 x 107,9 x 82,5	RE 61113
3	VERTICAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	114,3 x 95,2 x 82,5	RE 61112
6	VERTICAL	ON - OFF Dual USB	24 V	45 A	20 A - 15 A	15 A	114,3 x 190,5 x 81,5	RE 61122



RE 61178



RE 61180



RE 61181



RE 61179



RE 61124

N° ways	Panel Orientation	Switch model	MAX voltage CC	MAX panel power	Switch Power at 12V - 24V	Switch Protection rating	Dimensions L x H x W mm	Code
8	HORIZONTAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	238 x 107,9 x 82,5	RE 61178
6	VERTICAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	114,3 x 190,5 x 82,5	RE 61179
4	HORIZONTAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	133,3 x 107,9 x 82,5	RE 61180
3	VERTICAL	ON - OFF	24 V	45 A	20 A - 15 A	15 A	114,3 x 95,2 x 82,5	RE 61181
6	VERTICAL	ON - OFF Dual USB	24 V	45 A	20 A - 15 A	15 A	114,3 x 190,5 x 82,5	RE 61124

# PANEL BATTERY MANAGEMENT



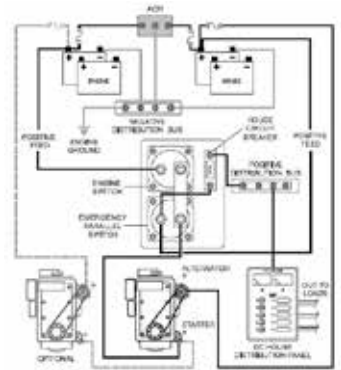
RE 61149

## PANEL BATTERY MANAGEMENT

Isolates engine circuit from house circuit.  
Allows emergency cross connect between isolated battery banks.  
Provides DC main circuit protection (except cod.RE 61150)  
ON indication led



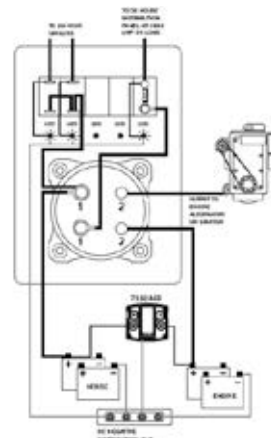
RE 61150



RE 61151



RE 61152



RE 61148



RE 61147

Continuous rating	Intermit. rating 5 min	Cranking rating 10 sec	Main Circuit breaker	Dimensions panel mm	Thick. panel mm	Circuit breaker	Free positions	Code
300 A	500 A	700 A	100 A	133,35 x 165,10	76,20	-	-	RE 61149
300 A	500 A	1500 A	NO	158,75 x 190,50	57,15	-	-	RE 61150
200 A	500 A	700 A	100 A	114,3 x 190,5	82,55	2 x 15 A	1	RE 61151
300 A	525 A	700 A	100 A	133,35 x 203,20	88,90	2 x 15 A	2	RE 61152
300 A	450 A	1000 A	100 A	184,15 x 203,20	82,5	3 x 15 A	3	RE 61147
350 A	525 A	1000 A	100 A	266,70 x 203,20	88,9	4 x 15 A	6	RE 61148



## 360 PANEL BATTERY MANAGEMENT

Provide a solution for 12V function:  
1 engine and 1 battery bank,  
2 engine and 2 battery bank,  
3 engine and 3 battery bank.  
Combine DC functions into one compact panel. Provides control of key functions.  
Allows emergency cross connect between isolated battery bank. Voltage supply: 12Vdc.

Mod.	Battery n°	Engine n°	Battery switch 0-1	Battery switch 0-1-Both	Push butt. Reset-only 10 A	Push butt. Reset-only 15 A	On-Off Rocker switch	Flat rocker 100 A	Flat rocker 15 A	Dimensions panel mm	Code
1408	2	1	-	1	-	3	-	1	-	124x197x89	RE 61209

# 360 DC ELECTRIC PANELS



RE 61301

## 360 MODULAR PANELS 12V PUSH BUTTON CIRCUIT BREAKER AND MINI ROCKER SWITCHES

Available with analog voltmeters  
 Panels can be customized  
 All panels are full pre-wired  
 All panels are manufactured with heavy aluminum alloy  
 Includes RE 61195- square format label set (set 120 pcs optional)  
 Snap-on end plates conceal mounting screws



RE 61302



RE 61310



RE 61306



RE 61311



RE 61308



RE 61309



RE 61312



RE 61307

Model	10A push button installed	Number rocker installed	Voltage rating	Max Amp	Analog voltmeter 8-16 V	Analog ammeter 0-50 A	Dimension L x H x W mm	Code
1455	4 (10 A)	4	12V	100 A	-	-	123,8x120,6x65	RE 61301
1456	8 (10 A)	8	12V	100 A	-	-	234,9x120,6x65	RE 61302
1457	8 (10 A)	8	12V	100 A	-	-	123,8x196,8x65	RE 61306
1459	4 (10 A)	4	12V	100 A	YES	-	123,8x196,8x65	RE 61307
1461	12 (10 A)	12	12V	100 A	-	-	123,8x273x65	RE 61308
1163	8 (10 A)	8	12V	100 A	YES	-	123,8x273x65	RE 61309
1464	12 (10 A)	12	12V	100 A	YES	-	234,9x196,8x65	RE 61311
1450	8 (15 A)	-	12V	90 A	-	-	123,88x120,65x88,9	RE 61312
1498	8 (15 A)	2 sockets	12V	90 A	Dual USB - Lighter socket		196,85x123,95x88,9	RE 61310

# 360 DC ELECTRIC PANELS



## 360 MODULAR PANELS 12V - 24V\* FLAT ROCKER CIRCUIT BREAKERS

Rocker actuator is flush in the "on" position  
Eliminating the risk of accidental switching  
Panels can be customized  
All panels are full pre-wired  
All panels are manufacture with heavy aluminium alloy  
Includes RE 61195 - square format label set (set 120 pcs optional)  
"ON" indicating led installed in all circuit positions  
Snap-on end plates conceal mounting screws

\*Conversion kit backlighting from 12V panels to 24V systems  
(require one kit per 12Volt DC circuit breaker module)



RE 61317



RE 61318



FLAT ROCKER



RE 61319



RE 61321



RE 61322



RE 61313

Mod.	15A Flat rocker installed	Panel cumulative rating	Voltage rating	Max Amp	Analog Voltmeter 8-16V	Analog Ammete 0-50 A	Digital multimeter	Dimension L x H x W mm	Code
1216	4	100 A	12V	100 A	-	-	-	123,8x120,6x65	RE 61317
1225	8	100 A	12V	100 A	-	-	-	234,9x120,6x65	RE 61318
1222	16	100 A	12V	100 A	-	-	-	234,9x196,8x65	RE 61319
1200	8	100 A	12V	100 A	-	-	-	123,8x196,8x65	RE 61321
1223	12	100 A	12V	100 A	-	-	-	123,8x273x65	RE 61322
1495	4	100 A	12V	100 A	Dual USB - Lighter socket			123,8x273x65	RE 61313

# 360 DC ELECTRIC PANELS



## 360 MODULAR PANELS 12V - 24V\* FLAT ROCKER CIRCUIT BREAKERS

Rocker actuator is flush in the "on" position  
Eliminating the risk of accidental switching  
Available with analog or digital instruments  
Panels can be customized. All panels are full pre-wired  
All panels are manufacture with heavy aluminium alloy  
Includes square format label set (set 120 pcs optional)  
"ON" indicating led installed in all circuit positions  
Snap-on end plates conceal mounting screws

\*Conversion kit backlighting from 12V panels to 24V systems  
(require one kit per 12Volt DC circuit breaker module)



RE 61323



RE 61325



RE 61327



RE 61326



RE 61328

Mod.	15A Flat rocker installed	Panel cumulative rating	100A main installed	Voltage rating	Analog Voltmeter 8-16V	Amper analog 0-50 A	Digital multimeter	Dimension L x H x W mm	Code
1201	16	50 A	-	12 V	YES	YES	-	346,1x196,8x65	RE 61323
1221	19	100 A	1	12 V	-	-	YES	346,1x196,8x90	RE 61325
1217	12	100 A	-	12 V	-	-	YES	234,9x196,8x90	RE 61326
1227	8	100 A	-	12 V	-	-	YES	123,8x273x90	RE 61327
1497	8	100 A	-	12 V	Dual USB-Lightersocket	-	8 pos M2	234,9x196,8x101,6	RE 61328

# 360 AC ELECTRIC PANELS



RE 61341



RE 61342



RE 61346



## 360 MODULAR PANELS 230V

MODELS WITH BLACK TOGGLE CIRCUIT BREAKERS  
MODELS WITH RAISED ROCKERS

All panels are full pre-wired

All hot, neutral and safety ground buses installed

All panels are manufacture with heavy aluminium alloy

All circuit label position are backlit (included set 30 label set 120 pcs optional)

“ON” indicating led installed in all circuit positions

5 to 50 A circuit breakers can be mounted (on request)

Available with analog instruments (voltmeter - ammeter)

Red reverse polarity indication led.



RE 61348



RE 61350



RE 61352



RE 61354



RE 61356

Mod.	Main Circuit breaker Installed	8A Circuit breaker installed	Voltage rating	Analog Voltmeter 8-16 V	Analog Ammeter 0-50 A	Digital multimeter	Dimension L x H x W mm	Code
1209	2x 16 A	-	230 V	-	-	-	123,8x120,6x65	RE 61341
1232	2x 32 A	-	230 V	-	-	-	123,8x120,6x65	RE 61342
1211	-	4	230 V	-	-	-	123,8x120,6x65	RE 61346
1215	1x 16 A	2	230 V	-	-	-	123,8x120,6x65	RE 61348
1233	1x 16 A	6	230 V	-	-	-	234,9x120,6x65	RE 61350
1207	1x 16 A	2	230 V	YES	-	-	123,8x196,8x65	RE 61352
1229	-	8	230 V	-	-	-	123,8x196,8x65	RE 61354
1203	1x 16 A	6	230 V	-	-	-	123,8x196,8x65	RE 61356



# 360 AC/DC ELECTRIC PANELS



## 360 MODULAR PANELS 12V (24V)\* 230V

MODELS WITH BLACK TOGGLE CIRCUIT BREAKERS

MODELS WITH RAISED ROCKERS

Maximum Amperage: 50A AC 100A DC

All circuit label position are backlit (included set 30 label set 120 pcs optional)

“ON” indicating led installed in all circuit positions

Available with analog instruments (voltmeter – ammeter)

Available with digital multimeter.

\*Conversion kit backlighting from 12V panels to 24V systems (require one kit per 12Volt DC circuit breaker module)



RE 61358



Mod.	AC Main breaker installed	8 A breaker installed	100 A DC main installed	15 A breaker installed	AC Analog Meter V A	DC Analog Meter V A	Digital multimeter	Dimension L x H x W mm	Code
1219	1x16	6	1	19	-	-	2	346x273x90	RE 61358

# 360 PANELS ACCESSORIES



## 360 PANELS ACCESSORIES



RE 61220



RE 61392



RE 61397



RE 61398



RE 61394



RE 61396



RE 61399



RE 61365



RE 61363



RE 61395



RE 61221



RE 61368



RE 61367



RE 61369



RE 61373

Model	Number Module n°	Description	Dimension L x H x W mm	Code
4121	x 1 module	Label backlight system 4 position		RE 61391
1475	1	Mounting panel single meter	123,8 x 120,6 mm	RE 61363
1525	1	Plugs empty for M2 OLED	120,65 x 123,94 mm	RE 61365
1510	1	Mounting panel single gauge	123,8 x 120,6 mm	RE 61367
1518	1	Panel 360 blank square	123,8 x 120,6 mm	RE 61368
1331	1	AC insulating Cover 1 module	1 module	RE 61369
4113	-	Conversion Kit 12-24 Volt DC	-	RE 61373
1139	1	Mounting panel single battery switch	123,8 x 120,6 x 12,7 mm	RE 61394
1477	1	Mounting panel 185 series circuit breaker	123,8 x 120,6 x 12,7 mm	RE 61395
1472	1	12 Volt DC socket panel	123,8 x 120,6 x 38 mm	RE 61396
1478	1	12 Volt DC socket panel and USB plug	123,8 x 120,6 x 38 mm	RE 61399
4111		Adapts push button circuit breaker		RE 61397
4112		Adapts toggle circuit breaker		RE 61398
4119		Adapts rocker switch		RE 61392
4116		Plugs empty flat rocker switch aperture		RE 61220
4117		Plugs empty rocker switch aperture		RE 61221



(ON) TEMPORARY POSITION  
WITH SPRING RETURN



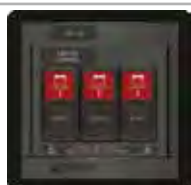
RE 61232



RE 61231



RE 61230



RE 61223



RE 61222

## MINI ROCKER SWITCHES

For use in 360° panels

### SINGLE POLE

Model	Action	Power max 12 VDC	Power max 24 VDC	Power max 230 VAC	Terminal size	Figure	Code
7480	ON - OFF	10 A	10 A	10 A	F 4,8	1	RE 61374
7481	(ON) - OFF	10 A	10 A	6 A	F 4,8	1	RE 61375
7482	ON - OFF - ON	10 A	8 A	8 A	F 4,8	2	RE 61376
7483	ON - OFF - (ON)	10 A	8 A	8 A	F 4,8	2	RE 61377
7484	(ON) - OFF - (ON)	10 A	8 A	8 A	F 4,8	2	RE 61378
7485	(ON) - OFF - (ON)	10 A	8 A	8 A	F 4,8	4	RE 61393

### DOUBLE POLE

Model	Action	Power max 12 VDC	Power max 24 VDC	Power max 230 VAC	Terminal size	Figure	Code
7490	ON - OFF	5 A	5 A	4 A	F 4,8	1	RE 61379
7491	ON - ON	5 A	5 A	4 A	F 4,8	3	RE 61380
7493	ON - (ON)	5 A	5 A	4 A	F 4,8	3	RE 61381
7492	ON - OFF - ON	5 A	5 A	4 A	F 4,8	2	RE 61382
7494	ON - OFF - (ON)	5 A	5 A	4 A	F 4,8	2	RE 61383
7495	(ON) - OFF - (ON)	5 A	5 A	4 A	F 4,8	2	RE 61384

## REMOTE CONTROL CONTURA SWITCHES

Vibration, shock, moisture and salt resistant

Provide remote switching of ML-Series and SD Series

Model	Working Temperature	Max Power 24 V - 12 V	Consumption mA	Mounting hole mm	Code
2146	-40° C + 85° C	15 A - 20 A	18	36,83 x 21,08	RE 61230
2145	-40° C + 85° C	15 A - 20 A	18	36,83 x 21,08	RE 61231
2155	-40° C + 85° C	15 A - 20 A	18	36,83 x 21,08	RE 61232

## PANEL FOR REMOTE CONTROL CONTURA SWITCHES

For use with remote battery switch

For use with automatic charging relays

Mounted on 360 panels

Single switches

Model	360 panels modules	Function Battery bank	Function automatic Charging relay	Power max 12 V - 24 V	Number lockout slide	Dimensions panels mm	Code
1147	1	2	1	20 A - 15 A	2	123,8 x 120,6 x 50,8	RE 61222
1148	1	3		20 A - 15 A	3	123,8 x 120,6 x 50,8	RE 61223



RE 61026



RE 61012



RE 61158



RE 61054



RE 61014



RE 61013

REFRIGERATOR

## DC CIRCUIT BREAKER PANELS 12 OR 12/24V

All panels are full pre-wired  
 All positive, negative and grounded buses installed on tin-copper bussing  
 All panels are manufactured with heavy aluminium alloy  
 All circuit label positions are backlit (set 30 labels included)  
 "ON" indicating led installed in all circuit positions  
 A wide range of circuit breakers between 5 and 50A (on request)  
 Available with digital multimeter  
 All panels with analog meters are owner upgradable to 24 Volt (on request)  
 Panels with meters include a toggle switch for monitoring up to 3 battery banks

Model	Total position DC	Circuit breaker installed DC	n° free position	Digital multimeter DC	Analog Voltmeter	Analog ammeter	Voltage rating DC	Dimensions L x H x W mm	Code
8082	10	7 x 15 A	3	-	8 - 16V	0 - 50 A	12V	133,3x285,7x70	RE 61026
8482	10	7 x 15 A	3	YES	-	-	12 - 24V	133,3x285,7x70	RE 61158
8023	8	5 x 15 A	3	-	-	-	12 - 24V	133,3x190,5x70	RE 61013
8096	6	6 x 15 A	0	-	-	-	12 - 24V	266,7x95,2x70	RE 61054
8081	5	5 x 15 A	0	-	8 - 16V	0 - 50 A	12V	133,3x190,5x70	RE 61014
8025	3	3 x 15 A	0	-	-	-	12 - 24V	133,3x95,2x70	RE 61012

## DC CIRCUIT BREAKER PANELS 12/24V

All panels are full pre-wired  
 All positive, negative and grounded buses installed on tin-copper bussing  
 All panels are manufacture with heavy aluminium alloy  
 All circuit label position are backlit (set 30 label included)  
 "ON" indicating led installed in all circuit positions  
 A wide range of circuit breakers between 5 and 50A (on request)  
 Available with digital multimeter  
 All panel with analog meter are owner upgradable to 24 Volt (on request)  
 Panels with meters include a toggle switch for monitoring up to 3 battery banks

REFRIGERATOR



RE 61154



RE 61153



RE 61129



RE 61144

Model	Total position DC	Circuit breaker installed DC	Digital multimeter DC	Analog Voltmeter 8-16V	Analog ammeter 0-100A	Voltage rating DC	Dimensions L x H x W mm	Code
8382	GEN + 35	1x100A + 26x15A	1	-	-	12-24V	374,6 x 285,7 x 86	RE 61144
8381	GEN + 32	1x100A + 23x15A	-	1	1	12V	374,6 x 285,7 x 70	RE 61129
8380	GEN + 22	1x100A + 16x15A	-	1	1	12V	266,7 x 285,7 x 70	RE 61153
8379	GEN + 20	1x100A + 14x15A	1	-	-	12-24V	374,6 x 190,5 x 86	RE 61154

## DC CIRCUIT BREAKER PANELS 12 OR 12/24V

All panels are full pre-wired

All positive, negative and grounded buses installed on tin-copper bussing

All panel are manufacture with heavy aluminium alloy

All circuit label position are backlit (set 30 label included)

“ON” indicating led installed in all circuit positions

A wide range of circuit breakers between 5 and 50A (on request)

Available with digital multimeter. All panel with analog meter are owner upgradable to 24 Volt (on request)

Panels with meters include a toggle switch for monitoring up to 3 battery banks

**REFRIGERATOR**



RE 61155



RE 61095



RE 61156



RE 61015



RE 61145



RE 61157

Total position DC	Circuit breaker installed DC	n° free position	Digital multimeter DC	Analog Voltmeter	Analog ammeter	Voltage rating DC	Dimensions L x H x W mm	Code
24	15 x 15 A	9	-	-	-	12- 24V	374,6 x 190,5 x 70	RE 61155
18	15 x 15 A	3	-	8- 16 V	0- 100 A	12V	374,6 x 190,5 x 70	RE 61156
16	10 x 15 A	6	-	-	-	12- 24V	266,7 x 190,5 x 70	RE 61157
13	10 x 15 A	3	-	8- 16 V	0- 100 A	12V	266,7 x 190,5 x 70	RE 61015
13	10 x 15 A	3	YES	-	-	12- 24V	266,7 x 190,5 x 86	RE 61095
12	10 x 15 A	2	-	-	-	12- 24V	374,6 x 114,3 x 70	RE 61145

## TOGGLE CIRCUIT BREAKER PANELS 230V

- All panels are full pre-wired
- All hot, neutral and safety ground buses installed
- All panels are manufacture with heavy aluminium alloy
- All circuit label position are backlit (set 30 label included)
- “ON” indicating led installed in all circuit positions
- A wide range of circuit breakers between 5 and 50A (on request)
- Available with digital multimeter
- All panels with double pole circuit breaker included red reverse polarity indication led
- All panels have a 16A double pole circuit breakers
- All panels have a variable number of 8A single pole circuit breakers

REFRIGERATOR



RE 61168



RE 61097



RE 61041



RE 61169



RE 61046

Model	Total position AC	8A Circuit breaker installed	n° free position	TVoltage rating AC	Digital multimeter AC	Analog Voltmeter 0 - 250 V	Analog Ammeter 0 - 50 A	Dimensions L x H x W mm	Code
8507	Gen+11	8	3	230 V	1	NO	NO	266,7x190,5x86	RE 61097
8176	Gen+11	8	3	230 V	NO	1	1	266,7x190,5x70	RE 61041
8562	2 Gen+9	6	3	230 V	NO	1	NO	266,7x190,5x70	RE 61168
8512	Gen+6	4	2	230 V	NO	NO	NO	266,7x114,3x70	RE 61169
8199	Gen+4	4	0	230 V	NO	NO	NO	266,7x95,2x70	RE 61046

## TOGGLE CIRCUIT BREAKER PANELS 230V

All panels are full pre-wired  
 All hot, neutral and safety ground buses installed  
 All panels are manufactured with heavy aluminium alloy  
 All circuit label positions are backlit (set 30 label included)  
 "ON" indicating led installed in all circuit positions  
 A wide range of circuit breakers between 5 and 50A (on request)  
 Available with digital multimeter  
 All panels with double pole circuit breaker included red reverse polarity indication led  
 All panels have a 16A double pole circuit breaker (main)  
 All panels have a variable number of 8A single pole circuit breaker

REFRIGERATOR



RE 61172



RE 61044



RE 61171



RE 61020



RE 61043



RE 61098



RE 61049



RE 61053 RE 61019

Model	Total position AC	8A Circuit breaker installed	n° free position	Voltage rating AC	Digital multimeter AC	Analog Voltmeter 0 - 250V	Analog Ammeter 0 - 50A	Dimensions L x H x W mm	Code
8506	GEN + 8	5	3	230V	1	NO	NO	133,3 x 285,7 x 86	RE 61171
8174	GEN + 8	5	3	230V	NO	1	1	133,3 x 285,7 x 70	RE 61044
8586	GEN + 8	5	3	230V	NO	1	NO	133,3 x 285,7 x 70	RE 61172
8127	GEN + 6	3	3	230V	NO	NO	NO	133,3 x 190,5 x 70	RE 61020
8505	GEN + 3	3	0	230V	1	NO	NO	133,3 x 190,5 x 86	RE 61098
8143	GEN + 3	3	0	230V	NO	1	NO	133,3 x 190,5 x 70	RE 61043
8129	GEN + 1	0	1	230V	NO	NO	NO	133,3 x 95,2 x 70	RE 61049
8177	GENERAL	1 x 16A	0	230V	NO	NO	NO	66,6 x 95,2 x 70	RE 61019
8179	GENERAL	1 x 32A	0	230V	NO	NO	NO	66,6 x 95,2 x 70	RE 61053



## COMBINATION AC/DC CIRCUIT BREAKER PANELS

- All panels are full pre-wired
- All panels are manufacture with heavy aluminium alloy
- All hot, neutral and safety ground buses installed
- All positive, negative, and grounded buses installed
- Maximun Amperage: 50A DC, 100 A AC
- All circuit label position are backlit (set 30 label included)
- "ON" indicating led installed in all circuit positions
- A wide range of circuit breakers between 5 and 50A (on request)
- Available with digital multimeter AC (volt-Ampere - Hertz)
- Available with digital multimeter DC (volt-Ampere)
- All panel with double pole circuit breaker included red reverse polarity indication led

REFRIGERATOR



RE 61039



RE 61128



RE 61094



RE 61040

Model	N° Double breakers AC	Circuit breakers installed AC	n° breakers DC	n° free position	Voltmeter 8 - 16V 0 - 250V	Ammeter 0 - 100A 0 - 50A	Digital multim. AC	Dimensions L x H x W mm	Code
8186	1x32A+3x16A	6 x 8A	1x100A+13 x15A	12	1 + 1	1 + 1	-	495,3x292,1x70	RE 61039
8195	1x16A	5 x 8A	1x100A+20 x15A	12	1 + 1	1 + 1	-	495,3x292,1x70	RE 61128
8194	1x16A	3 x 8A	1x100A+2 x15A	9	-	-	2	400x254x86	RE 61094
8508	1x16A	3 x 8A	1x100A+9 x15A	9	1 + 1	1 CC	-	374,6x254x70	RE 61040



## AC INSULATING COVERS

FOR 230Vac mounting panels and AC/DC combination panels  
Provides electrical and mechanical protection for panel backs

Cover dimension	Panels compatibility	Package pcs	Code
230 x 110 x 90 mm	Cover for 1 column 8 position + Meter	1	RE 61031
275 x 225 x 90 mm	Cover for 2 column 10 position + Meter	1	RE 61032

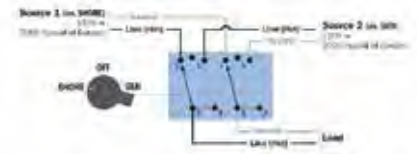
# ROTARY SWITCH AND PANELS



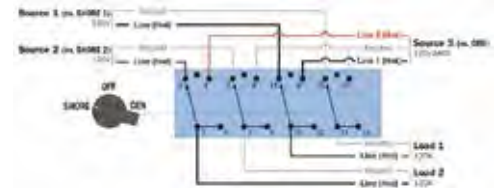
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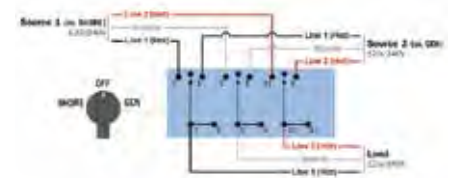
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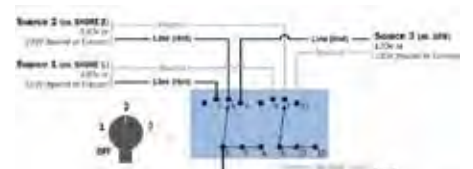
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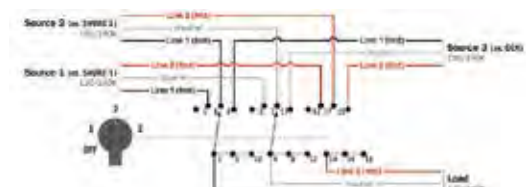
RE 61119



RE 61117



RE 61118



## ROTARY SWITCH AND PANELS

Panels are in aluminium with polyurethane finish. ON indicating LEDs installed in all circuit positions.

Thermal current rating	Isolating current rating	Source selector	Poles number N°	Panel dimensions mm	MAX thickness mm	MIN cable sect.	MAX cable sect.	Code
30 A	600 V	2 + OFF	2	133,35 x 95,25	48,51	14	10	RE 61199
65 A	600 V	2 + OFF	2	133,35 x 95,25	61,21	12	6	RE 61120
65 A	600 V	2 + OFF	4	133,35 x 95,25	114,30	12	6	RE 61243
65 A	600 V	2 + OFF	3	133,35 x 95,25	92,7	12	6	RE 61119
30 A	600 V	3 + OFF	2	133,35 x 95,25	61,21	14	10	RE 61117
65 A	600 V	3 + OFF	3	133,35 x 95,25	139,7	12	6	RE 61118

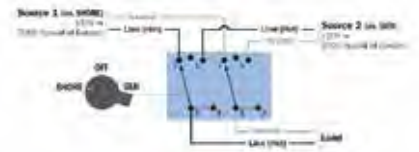
# ROTARY SWITCH AND PANELS



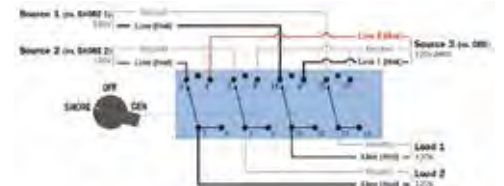
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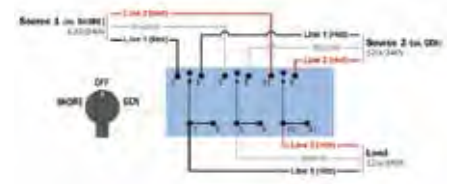
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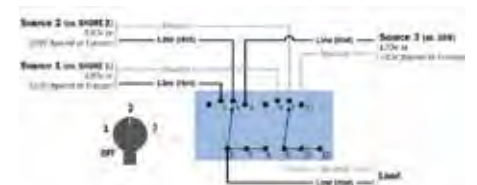
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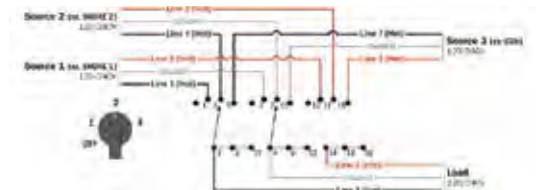
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RE 61248



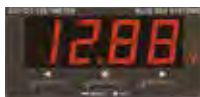
RE 61249



## ROTARY SWITCH AND PANELS

Panels are in aluminium with polyurethane finish. ON indicating LEDs installed in all circuit positions.

Thermal current rating	Isolating current rating	Source selector	Poles number N°	Panel dimensions mm	MAX thickness mm	MIN cable sect.	MAX cable sect.	Code
30 A	600 V	2 + OFF	2	123,83 x 120,65	48,51	14	10	RE 61244
65 A	600 V	2 + OFF	2	123,83 x 120,65	61,21	12	6	RE 61245
65 A	600 V	2 + OFF	4	123,83 x 120,65	114,30	12	6	RE 61246
65 A	600 V	2 + OFF	3	123,83 x 120,65	92,7	12	6	RE 61247
30 A	600 V	3 + OFF	2	123,83 x 120,65	61,21	14	10	RE 61248
65 A	600 V	3 + OFF	3	123,83 x 120,65	139,7	12	6	RE 61249



MODEL WITH ALARM

IP 66 splashproof front  
Large red LED characters  
Display with decimal numbers (i.e. 12.75 V)  
3 position switch for multiple battery banks

### DC DIGITAL VOLTMETER PANEL

Accuracy  $\pm 0.5\%$

Input voltage V	Voltage range V	Max. power consumption W	Visual alarm	Acoustic alarm	Dimensions L x H x W mm	Inlet hole mm	Code
7 - 60	0 - 60	1	NO	NO	73,5 x 61,7 x 86,3	52	RE 61086
7 - 60	0 - 60	1	YES	YES	73,5 x 61,7 x 86,3	52	RE 61089



### DC AMMETER

Amperage display 0.01 – 99.9A and 100-500A Accuracy  $\pm 0.5\%$   
Includes 500A/50mv shunt

Inlet hole V	Voltage range V	Max. power consumption W	Visual alarm	Acoustic alarm	Dimensions L x H x W mm	Inlet hole mm	Code
7 - 60	-500 +500	1	NO	NO	73,5 x 61,7 x 86,3	52	RE 61087



### VOLTMETER WITH ALARM FEATURES

Accuracy  $\pm 0.5\%$  - Includes 500A/50mv shunt  
Range -500 + 500A – Voltage range 0 – 60 V

Input voltage V	Voltage range V	Max. power consumption W	Visual alarm	Acoustic alarm	Dimensions L x H x W mm	Inlet hole mm	Code
7 - 60	V - A	1	YES	YES	73,5 x 61,7 x 86,3	52	RE 61088



### DIGITAL VOLTMETER 360 PANEL

For 360 Panels  
3 position switch for multiple battery banks

Voltmeter included	Voltage range	Dimensions L x H x W	Display dimensions	Code
RE 61086	7 - 60	123,8 x 120,6	66,6 x 32	RE 61063



### DC DIGITAL VOLTMETER PANEL

Perfect solution for Blue Sea Systems panels  
3 position switch for multiple battery banks

Voltmeter included	Voltage range	Dimensions L x H x W	Display dimensions	Code
RE 61086	7 - 60	133,3 x 95,2 x 50	66,6 x 32	RE 61018



Full scale Analog ammeter	Input Shunt	Negative Range	Accuracy	Dimensions L x H x D mm	Studs power mm	Screw	Code
0 - 50 A	50 mV	YES	0,25%	50,8 x 31,7 x 42,6	6	4	RE 61081
0 - 500 A	50 mV			82,5 x 44,4 x 44,4	8	4	RE 61082
0 - 100 A	50 mV	YES	0,25%	50,8 x 31,7 x 42,6	6	4	RE 61083
0 - 200 A	50 mV	YES	0,25%	82,5 x 44,4 x 44,4	8	4	RE 61085



### ANALOG VOLTMETER

Simple 2-wire connection. Perfect for Blue Sea Systems applicable panels.  
Surface mounting or panel mounting.

#### STANDARD SIZE

Input voltage	Systems	Accuracy	Scale range	Dimensions L x H x D mm	Mounting		Code
					Face mm	Panel mm	
8 - 16V	12V	2,50%	0,25 V	71,1 x 60,3	51	66,6 x 32	RE 61022
18 - 32V	24V	2,50%	0,25 V	71,1 x 60,3	51	66,6 x 32	RE 61064

#### MICRO SIZE

8 - 16V	12V	2,50%	0,25 V	50,8 x 50,8	44	47,2 x 26,8	RE 61023
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### DC ANALOG AMMETERS

Simple 2-wire connection.  
Surface mount or panel mount.  
Internal shunt 50mV – Accuracy 2.5%.

#### STANDARD SIZE

Input voltage	Internal Shunt	External Shunt	Scale range	Dimensions L x H x D mm	Mounting		Code
					Face mm	Panel mm	
0 - 25 A	YES	NO	1 A	71,1 x 60,3	51	66,6 x 32	RE 61066
0 - 50 A	NO	50 A / 50 mV	2 A	71,1 x 60,3	51	66,6 x 32	RE 61067
0 - 100 A	NO	100 A / 50 mV	4 A	71,1 x 60,3	51	66,6 x 32	RE 61069
0 - 150 A	NO	150 A / 50 mV	6 A	71,1 x 60,3	51	66,6 x 32	RE 61070
0 - 200 A	NO	200 A / 50 mV	8 A	71,1 x 60,3	51	66,6 x 32	RE 61071

#### MICRO SIZE

0 - 50 A	NO	50 A / 50 mV	2 A	50,8 x 50,8	44	47,2 x 26,8	RE 61073
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### DC ANALOG ZERO CENTER AMMETER

Simple 2-wire connection from shunt – includes appropriate shunt 50mV.

#### STANDARD SIZE

Input voltage	Internal Shunt	External Shunt	Scale range	Dimensions L x H x D mm	Mounting		Code
					Face mm	Panel mm	
50 - 0 - 50 A	NO	50 A / 50 mV	2 A	71,1 x 60,3	51	66,6 x 32	RE 61074
100 - 0 - 100 A	NO	100 A / 50 mV	4 A	71,1 x 60,3	51	66,6 x 32	RE 61075



### AC VOLTMETER FOR 360 PANELS

Perfect for 360 panels.  
3 position selector for multiple battery banks.

Meter installed	Voltage V	Dimensions mm	Display dimensions mm	Code
RE 61022	8-16	123,8 x 120,6	66,6 x 32	RE 61186



IP 66 splashproof front  
Surface or panel mounting  
3 levels of display brightness

### AC VOLTMETER

Accuracy  $\pm 1\%$

Input voltage V	Voltage range V	Max consumption W	Visual alarm	Audio alarm	Dimensions L x H x D mm	Inlet hole mm	Code
80 - 249	80 - 249	1	NO	NO	73,5 x 61,7 x 85,73	52	RE 61091



### AC AMMETER

Accuracy  $\pm 1\%$

Includes current transformer

Input voltage V	Voltage range V	Max consumption W	Visual alarm	Audio alarm	Dimensions L x H x D mm	Inlet hole mm	Code
80 - 249	0 - 150	1	NO	NO	73,5 x 61,7 x 85,73	52	RE 61092



### MULTIMETER WITH ALARM FEATURES

Accuracy  $\pm 1\%$

Amperage display: 0 – 150A

Voltage display: 80 – 270V

Power kilowatts: 10 – 45Kw

Frequency display: 40 – 90 Hz

Input voltage V	Voltage range V	Max consumption W	Visual alarm	Audio alarm	Dimensions L x H x D mm	Inlet hole mm	Code
80 - 270	V-A-Hz-W	0,027	YES	YES	73,5 x 61,7 x 86,3	52	RE 61090



### DIGITAL METER PANEL

Intended use with AC Digital Multimeter ref. RE61090

Perfect solution for monitoring 120/240 Volt AC Systems

Includes two additional current transformers

Four positions: OFF – L1 – LINE – L1 L2

N° meters	Dimensions L x H x D mm	Inlet hole mm	Code
1	133,3 x 95,2 x 3	66,6 x 32	RE 61099



### AC VOLTMETERS

Simple 2-wire connection  
 Readable in low light  
 Perfect for Blue Sea Systems panels (panel mounting)  
 Two mounting methods available: surface or panel mount.  
 Accuracy  $\pm 2.5\%$

#### STANDARD SIZE

Input voltage	Systems	Scale range	Dimensions L x H x D mm	Mounting		Code
				Face mm	Panel mm	
0 - 150 V	120 V	5 V	71,1 x 60,3	51	66,6 x 32	RE 61024
0 - 250 V	230 V	5 V	71,1 x 60,3	51	66,6 x 32	RE 61077

#### MICRO SIZE

0 - 150 V	120 V	5V	50,8 x 50,8	44	47,2 x 26,8	RE 61078
0 - 250 V	230 V	5V	50,8 x 50,8	44	47,2 x 26,8	RE 61079



### AC ANALOG AMMETERS

Meter senses and powers from coil slipped over wire to be measured  
 Simple 2-wire connection  
 Easy to read  
 Perfect for Blue Sea Systems panels (Panel mounting)  
 Mounting methods: surface or panel mounting  
 Accuracy  $\pm 2.5\%$

#### STANDARD SIZE

Amperage range	Amperage transformer	Scale range	Dimensions L x H mm	Mounting		Code
				Face mm	Panel mm	
0 - 50 A	YES	2 A	71,1 x 60,3	51	66,6 x 32	RE 61025
0 - 100 A	YES	4 A	71,1 x 60,3	51	66,6 x 32	RE 61182

#### MICRO SIZE

0 - 50 A	YES	2 A	50,8 x 50,8	44	47,2 x 26,8	RE 61080
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### AC CURRENT TRANSFORMER

For use with AC Ammeters

Ammeter range	Output transformer	Reading display	External diam. of transformer	Internal diam. of cables	Model	Code
0 - 50 A	50 mV	YES	35 mm	15,2 mm	Analogic	RE 61183
0 - 100 A	50 mV	YES	35 mm	15,2 mm	Analogic	RE 61184
0 - 150 A	50 mV	YES	35 mm	15,2 mm	Digital	RE 61185



### METER MOUNTING PANELS

For standard digital and analogic meters

Meter n°	Panel dimensions L x H x D	Inlet dimensions L x H	Code
1	133,3 x 95,2 x 3 mm	66,6 x 32 mm	RE 61035
1	120,65 x 123,95 x 3 mm	66,6 x 32 mm	RE 61036

# SYSTEMS MONITOR ON-BOARD



## DIGITAL MONITOR ON-BOARD SYSTEMS (VSM)

NMEA 2000 certified and uses standard connectors. VSM can be interfaced with other systems compliant with NMEA 2000, such as CZone Displays Touch 5 and Touch 10.

**DC SYSTEM MONITOR** (up to two batteries)  
One input monitors DC voltage, state of charge, the current for a battery bank and another input monitors the voltage of an additional battery bank.  
High and low voltage, high current and low battery alarm.

**AC SYSTEM MONITOR:** Voltage, current and frequency.  
High and low voltage, high current and high and low frequency alarms.

**BILGE MONITOR:** bilge pumps active, number of cycles in 24 hours, duration.  
Alarm for minutes of operation or too many cycles.

**TANK LEVEL MONITOR:** fuel, water, gray/black water.  
Measurements in both gallons and liters.

Model	Working voltage V	Range voltage V	Range current	Frequency	Dimension	Code
1850	12-24-36-48	7-70Vdc	-500 A to 500 A	40-90 HZ	82x82 mm	RE 61424



## DIGITAL OLED M2 MONITOR

Measure the essential parameters of the electrical system with adjustable alarms and a self-adjusting display. They include a 500° isolated Relay MOSFET (ECR) which can be used to control external circuits. The bright, self-adjusting LED display. 80dB alarm on all models.

## TANK LEVEL MONITOR

Control up to 4 tanks. 80 dB sound alarm. Supply: 7-70 Vdc. Consumption: 0,3-1,0 W. Display sizes: 55 x 28 mm

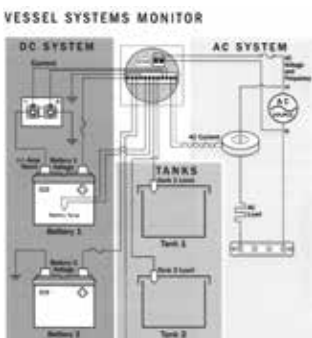
RE 61432



## BILGE PUMP MONITOR

Control up to 4 pumps  
- Supply 7-70 Vdc  
- Not compatible with automatic pumps  
- Count the cycles per hour

RE 61425



## VSM 422 ULTRASONIC TANK

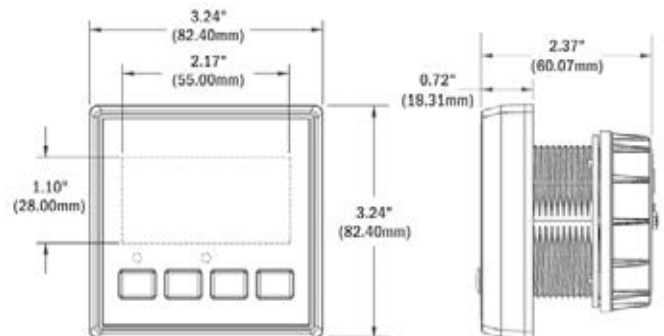
Model	Utilization	Power Max	Nominal voltage	Weight	Code
1811	Petrol	32 VDC	12-24 V	0,11 kg	RE 61422
1810	Diesel fuel, waters white/black	32 VDC	12-24 V	0,11 kg	RE 61423





## M2 OLED DIGITAL INSTRUMENT

Organic LED display  
Adjustable alarm complete and automatic dimmer  
Supply from 7 to 70 VDC  
Average consumption: 0,3 W - 1,0 W  
Inlet hole: diameter 54mm  
Dimensions: 82,40 x 82,40 x 60,07mm  
IP 66



Type	Range Display A	Range Display V	Range Display Hz	Range Display W	Internal shunt	Code
Ampmeter	0 - 150 (300*)	-	-	-	YES	RE 61260
Voltmeter	-	50 - 250	-	-	NO	RE 61261
Multimeter	0 - 150 (300*)	50 - 250	40 - 90	0 - 45k	YES	RE 61262



Type	Range Display A	Range Display V	Internal shunt	Code
Battery Monitor	from - 500 to 500	8 - 70	NO	RE 61263
Ampmeter	from - 500 to 500		NO	RE 61264
Voltmeter		8 - 70	NO	RE 61265



Type	Reading scale A	Reading scale V	Supply	Internal shunt	Mounting hole	Code
Mini Ampmeter	from -100 to 100	-	12/24 V	NO	29 mm	RE 61267
Mini Voltmeter	-	from 8 to 36	12/24 V	-	29 mm	RE 61268



## TEMPERATURE MONITOR

Model	Supply V	Max absorption	Range °C	Dimensions mm	Code
1841	7 - 70	1 W	-40 - 125	55 x 28	RE 61433
1741	12/24	10 mA	-40 - 125	Diameter 40	RE 61434



### CIRCUIT BREAKER MOUNTING SCREWS

Fits all circuit breakers. Sold in package of 6.

RE 61017

### TOGGLE CIRCUIT BREAKER PANEL PLUG

Black plug 16mm diameter. Sold in package 10 pcs.

RE 61187



### AC INSULATING COVERS

FOR 230Vac mounting panels and AC/DC combination panels. Provides electrical and mechanical protection for panel backs

Cover dimension	Description	Package pcs	Code
133 x 95,2 mm	Cover for 3 position panels	1	RE 61058
133 x 190,5 mm		1	RE 61059
266 x 190,5 mm		1	RE 61060
230 x 110 x 90 mm	Cover for 1 column 8 position + Meter	1	RE 61031
275 x 225 x 90 mm	Cover for 2 column 10 position + Meter	1	RE 61032



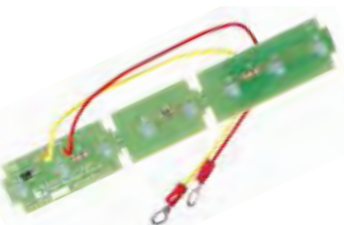
### MICRO-LED INDICATOR LIGHTS 12-24V

Color	Lights diameter	Led diameter	Hole size	Max width	Code
Red	5 mm	3 mm	4 mm	15 mm	RE 61016/R
Green	5 mm	3 mm	4 mm	15 mm	RE 61016/V
Yellow	5 mm	3 mm	4 mm	15 mm	RE 61016/G



### MICRO-LED INDICATOR LIGHTS 220V

Color	Lights diameter	Led diameter	Hole size	Max width	Code
Red	5 mm	3 mm	4 mm	15 mm	RE 01025
Green	5 mm	3 mm	4 mm	15 mm	RE 01024
Yellow	5 mm	3 mm	4 mm	15 mm	RE 01023



### LABEL BACKLIGHT SYSTEM

Easily installed in Blue Sea circuit breaker panels. Kit for a rapid installation.

N° positions	Voltage	Led Color	Amperage draw	Code
8 - 5 - 3 positions	12 - 24V	Green	56 mA	RE 61056
4 positions	12 - 24V	Green	28 mA	RE 61188
10 positions	12 - 24V	Green	70 mA	RE 61057
13 positions	12 - 24V	Green	90 mA	RE 61189



### LARGE FORMAT LABELS (36,51X11,1)

BS Code	Description	Language	Quantity	Color	Code
8030	DC LABEL BASIC	ENGLISH	30	Black	RE 61190
8039	DC LABELS EXTENDED	ENGLISH	120	Black	RE 61191
8031	AC LABELS BASIC	ENGLISH	30	Black	RE 61192
8067	AC LABELS EXTENDED	ENGLISH	120	Black	RE 61193



### SMALL FORMAT LABELS (15,9X9,5)

Used on Contura waterproof panels - Used on ST blade fuses blocks.

Description	Panel colors	Label colors	Code
KIT 60 LABELS	White	Grey	RE 61194
KIT 60 LABELS	Black	Black	RE 61008



### SQUARE FORMAT LABELS (15X15)

Used on 360 panels, Battery management panels and waterproof panels.

BS Code	Description	Language	Quantity	Color	Code
4215	KIT 1 DC	ENGLISH	30	Black	RE 61195
4218	KIT 2 DC	ENGLISH	30	Black	RE 61196



- Aber marine instruments
- San Giorgio S.E.I.N instruments
- San Giorgio S.E.I.N sensors
- Vdo Ocean Line instruments
- Vdo View Line instruments
- Vdo sensors
- Preresistance 24-12V

The logo for VDO, consisting of the letters 'VDO' in a bold, sans-serif font inside a rectangular border.

The logo for Aber, featuring the word 'aber' in a stylized font with 'ELECTRONICS' written in smaller letters below it, all within a rectangular border.

**REBAMARINE**

NAUTICAL EQUIPMENT



### FRESHWATER LEVEL GAUGE

FOR ARM SENSOR (NOT VERTICAL SENSOR)

Double lens anti-fog chamber  
Backlit with red light and red pointer  
Flush execution

Scale range water	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
0...1/2...4/4	Black	Black	12 V	52 mm	IP 65	VDO	Red	RE 71601
0...1/2...4/4	Black	Black	24 V	52 mm	IP 65	VDO	Red	RE 71602



### FUEL LEVEL GAUGE

FOR ARM SENSOR

Double lens anti-fog chamber  
Backlit with red light and red pointer  
Flush execution

Scale range Tank	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
0...1/2...4/4	Black	Black	12 V	52 mm	IP 65	VDO	Red	RE 71603
0...1/2...4/4	Black	Black	24 V	52 mm	IP 65	VDO	Red	RE 71604



### FUEL LEVEL GAUGE, COMPLETE SYSTEM

Universal sensor, with adjustable lever (300 ÷ 600mm) with cork gasket  
Round flange 70 mm with 5 holes  
Negative round  
Gauge 52 mm with Black dial and Black plastic bezel  
Voltage supply 12V

RE 71605



### PRESSURE GAUGES

For advance detection of irregularities in the engine lubricating circuit, turbochargers and gearbox  
Backlit, double indication bar and PSI  
Calibration for VDO sensor

Scale range Bar	Bezel color	Background color	Housing diameter	Voltage supply	Frontal	Pressure range	Code
0.....10 Kg	Black	Black	52 mm	12 V	IP 65	Oil motor	RE 71607
0.....10 Kg	Black	Black	52 mm	24 V	IP 65	Oil motor	RE 71608
0.....25 Kg	Black	Black	52 mm	12 V	IP 65	Gearbox	RE 71609
0.....25 Kg	Black	Black	52 mm	24 V	IP 65	Gearbox	RE 71610



### AMMETERS

Measure the actual current used by apparatus or sent in recharge  
With direct connection  
Backlit

Scale range A	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Pointer color	Code
± 60 A	Black	Black	12/24 V	52 mm	IP 65	Red	RE 71611
± 60 A	Chromed	White	12/24 V	52 mm	IP 65	Red	RE 71612



### VOLTMETERS

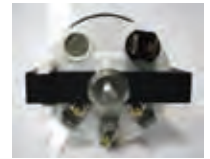
Necessary to monitor battery and charger status  
Backlit  
Back panel mounting

Scale range Volt	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Pointer color	Code
8 - 16	Black	Black	12 V	52 mm	IP 65	Red	RE 71613
16 - 32	Black	Black	24 V	52 mm	IP 65	Red	RE 71614



### WATER TEMPERATURE GAUGES

Double indication °C and °F  
Backlit  
Back panel mounting



Scale range	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Pointer color	Code
40° C - 120° C	Black	Black	12 V	52 mm	IP 65	Red	RE 71615
40° C - 120° C	Black	Black	24 V	52 mm	IP 65	Red	RE 71616



### OIL TEMPERATURE GAUGES

Double indication °C and °F  
Backlit  
Back panel mounting



Scale range	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Pointer color	Code
50° C - 150° C	Black	Black	12 V	52 mm	IP 65	Red	RE 71617
50° C - 150° C	Black	Black	24 V	52 mm	IP 65	Red	RE 71618



### TACHOMETERS

Electronic microprocessor tachometers with actual hour meter  
Perfect control of optimal engine regime and service intervals

Range	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Pointer color	Code
0 - 3000	Black	Black	12 - 24 V	85 mm	IP 65	Red	RE 71619
0 - 4000	Black	Black	12 - 24 V	85 mm	IP 65	Red	RE 71620



### RESISTOR

It allows to use instruments at 12Vdc with power supply at 24Vdc  
Kit resistor + red bulb 24V

RE 71621



### FRESHWATER LEVEL GAUGE (FOR VERTICAL SENSOR)

Double lens anti-fog chamber  
Backlit, White bulb and red pointer  
Back panel mounting or with round bezel

Scale range WATER	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
0...1/2...4/4	Black	Black	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71520
0...1/2...4/4	Chromed	White	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71521
0...1/2...4/4	Black	Black	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71522
0...1/2...4/4	Chromed	White	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71523



### FRESHWATER LEVEL GAUGE (FOR VERTICAL SENSOR)

Double lens anti-fog chamber  
Backlit, White bulb and red pointer  
Back panel mounting or with round bezel

Scale range WASTE	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
0...1/2...4/4	Black	Black	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71526
0...1/2...4/4	Chromed	White	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71527
0...1/2...4/4	Black	Black	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71528
0...1/2...4/4	Chromed	White	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71529



### FUEL LEVEL GAUGE (FOR VERTICAL SENSOR)

Double lens anti-fog chamber  
Backlit, White bulb and red pointer  
Back panel mounting or with round bezel

Scale range TANK	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
0...1/2...4/4	Black	Black	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71401
0...1/2...4/4	Chromed	White	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71402
0...1/2...4/4	Black	Black	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71403
0...1/2...4/4	Chromed	White	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71404



### WATER TEMPERATURE GAUGE

Double indication °C and °F. Backlit.

Scale range	Bezel color	Background color	Voltage supply	Housing diameter	Frontal	Input	Pointer color	Code
40° C - 120° C	Black	Black	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71452
40° C - 120° C	Chromed	White	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71453
40° C - 120° C	Black	Black	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71454
40° C - 120° C	Chromed	White	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71455



### OIL TEMPERATURE GAUGE

Double indication °C and °F. Backlit.

Scale range	Bezel color	Background color	Voltage supply	Housing diameter	Frontal IP	Input	Pointer color	Code
50° C - 150° C	Black	Black	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71456
50° C - 150° C	Chromed	White	12 V	52 mm	IP 66	300-10 Ω	Red	RE 71457
50° C - 150° C	Black	Black	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71458
50° C - 150° C	Chromed	White	24 V	52 mm	IP 66	300-10 Ω	Red	RE 71459



## PRESSUERE GAUGES

For advance detection of irregularities in the engine lubricating circuit, turbocharger and gearbox  
Double indication bar and psi  
Backlit



Range bar	Range	Bezel color	Background color	Housing diameter	Voltage supply	Frontal	Descriptio	Code
0.....8 bar	0...110 psi	Black	Black	52 mm	12 V	IP 66	Engine oil	RE 71434
0.....8 bar	0...110 psi	Chromed	White	52 mm	12 V	IP 66	Engine oil	RE 71435
0.....8 bar	0...110 psi	Black	Black	52 mm	24 V	IP 66	Engine oil	RE 71436
0.....8 bar	0...110 psi	Chromed	White	52 mm	24 V	IP 66	Engine oil	RE 71437
0.....24 bar	0...330 psi	Black	Black	52 mm	12 V	IP 66	Gearbox	RE 71438
0.....24 bar	0...330 psi	Chromed	White	52 mm	12 V	IP 66	Gearbox	RE 71439
0.....24 bar	0...330 psi	Black	Black	52 mm	24 V	IP 66	Gearbox	RE 71440
0.....24 bar	0...330 psi	Chromed	White	52 mm	24 V	IP 66	Gearbox	RE 71441

## VOLTMETERS

Necessary to monitor battery and charger status  
Backlit



Range Volt	Bezel color	Background color	Voltage supply	Diameter	Frontal	Pointer color	Code
8 - 16 V	Black	Black	12V	52 mm	IP 66	Red	RE 71471
8 - 16 V	Chromed	White	12V	52 mm	IP 66	Red	RE 71472
16 - 32 V	Black	Black	24V	52 mm	IP 66	Red	RE 71473
16 - 32 V	Chromed	White	24V	52 mm	IP 66	Red	RE 71474

## AMMETERS

Necessary to measure the actual current used by apparatus or sent in recharge, with either direct connection ( $\pm 60A$ ) or with shunt sensor ( $\pm 100A$  and  $\pm 150A$ )



Range A	Bezel color	Background color	Voltage supply	Diameter	Frontal	Pointer color	Code
$\pm 60 A$	Black	Black	12/24 V	52 mm	IP 66	Red	RE 71479
$\pm 60 A$	Chromed	White	12/24 V	52 mm	IP 66	Red	RE 71480
$\pm 100 A$	Black	Black	12/24 V	52 mm	IP 66	Red	RE 71481
$\pm 100 A$	Chromed	Black	12/24 V	52 mm	IP 66	Red	RE 71482
$\pm 150 A$	Black	Black	12/24 V	52 mm	IP 66	Red	RE 71483
$\pm 150 A$	Chromed	Black	12/24 V	52 mm	IP 66	Red	RE 71484

## PIEZOELECTRIC BUZZER

Panel waterproof piezoelectric buzzer



Range db	Bezel color	Background color	Voltage supply	Diameter instrumts	Frontal IP	Pointer color	Code
> 90 db	Black	Black	10 - 32 V	52 mm	IP 66	Red	RE 71499



### RUDDER ANGLES

Range RUDDER	Input	Bezel color	Background color	Voltage supply	Diameter	Pointer color	Code
Rudder $\pm 40^\circ$	sensor	Black	Black	12/24 V	52 mm	Red	RE 71485
Rudder $\pm 40^\circ$	sensor	Chromed	White	12/24 V	52 mm	Red	RE 71486

ABS rudder angles sensors

RE 71532

Equipped with a leverism and a spheric joint plus a second rod to be connected to the rudder shaft



### FLAP ANGLES

Range FLAP	Input	Bezel color	Background color	Voltage supply	Diameter	Pointer color	Code
R/DX FLAP $-2^\circ+12^\circ$	sensor	Black	Black	12/24 V	52 mm	Red	RE 71487
R/DX FLAP $-2^\circ+12^\circ$	sensor	Chromed	White	12/24 V	52 mm	Black	RE 71488
L/SX FLAP $-2^\circ+12^\circ$	sensor	Black	Black	12/24 V	52 mm	Red	RE 71489
L/SX FLAP $-2^\circ+12^\circ$	sensor	Chromed	White	12/24 V	52 mm	Black	RE 71490

Plastic Flap angles sensors

RE 71533

Equipped with a leverism to be connected to the piston, generally using a flexible cable (not included)



### TRIM ANGLES INDICATORS

Range TRIM	Input	Bezel color	Background color	Voltage supply	Diameter	Pointer color	Code
R/DX UP/DOWN	10-180 Ohm	Black	Black	12/24 V	52 mm	Red	RE 71491
R/DX UP/DOWN	10-180 Ohm	Chromed	White	12/24 V	52 mm	Black	RE 71492
L/SX UP/DOWN	10-180 Ohm	Black	Black	12/24 V	52 mm	Red	RE 71493
L/SX UP/DOWN	10-180 Ohm	Chromed	White	12/24 V	52 mm	Black	RE 71494



### HOURLMETER

Engine hour meter, essential for controlling service intervals  
Six digit display with 1/10 hour step

Range	Bezel color	Background color	Voltage supply	Diameter	Frontal	Type	Code
0 - 9999,9	Black	Black	12/24 V	52 mm	IP 66	Mechanical	RE 71495





### OMNI LINK SERIES

This new line has been designed for being connected directly to CAN Bus signal without a master instrument: Each indicator has a microprocessor which receives and checks for CAN Bus messages from the ECU of the engine. If the microprocessor doesn't find any CAN Bus signal, the instrument turns into the traditional status, reading the parameter through the connected sensor. This technology allows to combine clarity and reliability in an analog instrument with a digital accuracy. Its dimmable LED back-lighting guarantees a perfect visibility with no bulbs to be changed.

### LEVEL GAUGES



Range level	Frame color	Dial color	Gauge diameter	Input	Front	Pointer color	Supply	Code
0 - 4/4 Fuel	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71801
0 - 4/4 Fuel	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71802
0 - 4/4 Water	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71803
0 - 4/4 Water	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71804
0 - 4/4 Waste	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71805
0 - 4/4 Waste	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71806

### TEMPERATURE GAUGES



Range level	Frame color	Dial color	Gauge diameter	Input	Front	Pointer color	Supply	Code
0 - 120	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71807
0 - 120	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71808
0 - 150	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71809
0 - 150	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71810

### PRESSURE GAUGES



Range level	Frame color	Dial color	Gauge diameter	Input	Front	Pointer color	Supply	Code
0 - 5 Bar	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71811
0 - 5 Bar	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71812
0 - 10 Bar	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71813
0 - 10 Bar	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71814
0 - 25 Bar	Black	Black	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71815
0 - 25 Bar	Black	White	52 mm	CAN Bus or VDO match	IP 66	Red	9-32 VDC	RE 71816

### VOLTMETERS



Range level	Frame color	Dial color	Gauge diameter	Input	Front	Pointer color	Supply	Code
8 - 16 V	Black	Black	52 mm	CAN Bus or direct	IP 66	Red	9-32 VDC	RE 71817
8 - 16 V	Black	White	52 mm	CAN Bus or direct	IP 66	Red	9-32 VDC	RE 71818
18 - 26 V	Black	Black	52 mm	CAN Bus or direct	IP 66	Red	9-32 VDC	RE 71819
18 - 26 V	Black	White	52 mm	CAN Bus or direct	IP 66	Red	9-32 VDC	RE 71820

### ENERGY GAUGES



Range level	Frame color	Dial color	Gauge diameter	Input	Front	Pointer color	Supply	Code
0 - 100 L/H	Black	Black	52 mm	CAN Bus - SAE J193	IP 66	Red	9-32 VDC	RE 71821
0 - 100 L/H	Black	White	52 mm	CAN Bus - SAE J193	IP 66	Red	9-32 VDC	RE 71822

# SAN GIORGIO S.E.I.N INSTRUMENTS



## TACHOMETERS

Electronic microprocessor tachometers with actual hour-counter  
Perfect control of optimal engine regime and service intervals  
Link to the universal plug alternator W

On demand:

Models link to the generator pulse VEGLIA

Models link to the generator pulse VDO

Range RPM	Input	Bezel color	Background color	Voltage supply	Housing diameter	Frontal IP	Pointer color	Code
0 - 3000	W	Black	Black	12/24 V	100 mm	IP 66	Red	RE 71500
0 - 3000	W	Chromed	White	12/24 V	100 mm	IP 66	Red	RE 71501
0 - 4000	W	Black	Black	12/24 V	85 mm	IP 66	Red	RE 71502
0 - 4000	W	Chromed	White	12/24 V	85 mm	IP 66	Red	RE 71503
0 - 5000	W	Black	Black	12/24 V	85 mm	IP 66	Red	RE 71504
0 - 5000	W	Chromed	White	12/24 V	85 mm	IP 66	Red	RE 71505



## PULSE GENERATOR

If the engine is not equipped with a standard alternator  
A compatible generator is available

*Omni Link*<sup>®</sup>  
LITE

Range	Layout	Voltage supply	Code
All range	18 x 1,5	12 - 24 V	RE 71525



## SYNCHRO INDICATORS

Precision indicator with central index

These indicators estimates the difference between the rotation of the two engines,

Assisting the synchronization

The connection can be made directly on the claps of the tachometer

No need of additional sensors

*Omni Link*<sup>®</sup>  
LITE

Engine rpm ±	Frame color	Dial color	Instrument diameter	Input	Front	Indicator color	Code
400 rpm	Black	Black	85 mm	W or pick-up	IP 66	White	RE 71823
400 rpm	Black	White	85 mm	W or pick-up	IP 66	Red	RE 71824



## RUDDER

Compatible with sensors at 10-180ohm, 0-1 ohm.

CanBus can configure itself in master mode or repeater

with the conversion and transmission system CAN BUS,

It is possible to connect up to 15 repeater instruments at 200mt

with no signal amplifier

*Omni Link*<sup>®</sup>  
LITE

Rudder range ±	Frame color	Dial color	Instrument diameter	Input	Front	Indicator color	Code
45 °	Black	Black	85 mm	CAN Bus or 10-180 ohm	IP 66	White	RE 71825
45 °	Black	White	85 mm	CAN Bus or 10-180 ohm	IP 66	Red	RE 71826



### COMBINED SPEED-LOG OMNI LINK LINE

It is a multifunction instrument for monitoring the speed of a ship  
It is compatible with traditional through-hull sensors  
and with GPS with NMEA0183 output  
If you connect the instrument to a combined sensor (speed, depth, temperature)  
or to an extra depth-log with NMEA0183 output, you can display depth and  
temperature on LCD

Range level	Frame color	Dial color	Instrument diameter	Input	Front	Supply	Code
0 - 40 Kn	Black	Black	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71827
0 - 40 Kn	Black	White	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71828
0 - 60 Kn	Black	Black	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71829
0 - 60 Kn	Black	White	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71830



### DEPHT-LOG OMNI LINK LINE

For depth, temperature and speed log with NMEA0183 output  
The range can be displayed on the analog dial (0-50m)  
On LCD display you can see the depth (0-99.9m),  
temperature and speed  
In the menu, you can enable and configure the alarm and activates the signal,  
for being warned when depth is low

Range level	Frame color	Dial color	Instrument diameter	Input	Front	Supply	Code
0-50 m - 0-99 m	Black	Black	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71831
0-50 m - 0-99 m	Black	White	85 mm	Frequency or NMEA0183	IP 66	9-32 VDC	RE 71832



### DEPTH AND SPEED LOG

It is possible to use the combined instrument or, for speed only,  
a propeller sensor to be connected to the input at the available frequency

Function	Output	Notes	Code
Speed	Frequency	Through-hull	RE 71833
Depth	NMEA0183	Through-hull	RE 71834
Speed, depth and temperature	NMEA0183	Through-hull	RE 71835



### ECOMETER

It calculates in real-time the efficiency of the consume  
(in relation to speed/consume), and it is the first instrument which can suggest the most efficient speed  
and it guarantees the lowest consume and the longest autonomy.  
This instrument gains the speed from the GPS and consume with the parameters from the control unit.  
It can display:

- Immediate efficiency
- Indicator pointer for rising or decreasing the speed
- Knots speed
- Immediate consume lt/hour
- Partial consume, resettable. Total consume, not resettable

Range level	Frame color	Dial color	Instrument diameter	Input	Front	Indicator color	Supply	Code
0 - 20 l/hm	Black	Black	85 mm	CAN Bus	IP 66	Red	9-32 VDC	RE 71836
0 - 20 l/hm	Black	White	85 mm	CAN Bus	IP 66	Red	9-32 VDC	RE 71837



### MULTIFUNCTION INSTRUMENT - METEOLINK

Designed for supervise and display a wide range of meteo and navigation data, achieved by a specific sensor or by any sensor with an NMEA compatible output

- Measurements:
- Speed of the apparent head wind
  - Direction of the apparent head wind
  - Speed of the actual northern wind
  - Direction of the actual northern wind
  - Air temperature
  - Barometric pressure
  - Speed opposite ground
  - Direction opposite ground

Range level	Frame color	Dial color	Instrument diameter	Input	Front	Indicator color	Supply	Code
0 - 80 Kn	Black	Black	85 mm	NMEA0183	IP 66	Red	9-32 VDC	RE 71838
0 - 80 Kn	Black	White	85 mm	NMEA0183	IP 66	Red	9-32 VDC	RE 71839



### NAVIGATION AND METEO SENSOR

Innovative combined electronic sensor which includes one GPS, one compass and one ultrasound anemometer:

- Measurements:
- Apparent and actual speed and wind direction
  - Barometric pressure
  - Air temperature
  - Speed of ship's direction
  - Provided with a 10m cable

Input	Supply	Code
NMEA0183	9-16 V	RE 71840

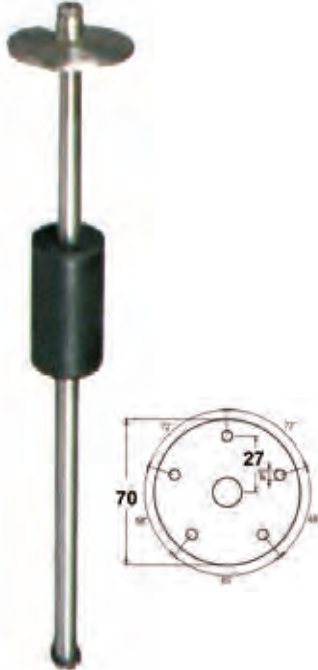


### MULTIFUNCTION TACHOMETER - OMNILINK SERIES

Designed for gauging the most important parameters of the engine, including them in one easy-to-read and compact unit

- Measurements:
- Engine revolutions
  - Water engine temperature
  - Pressure of the engine oil
  - Alarm for low oil pressure
  - Oil engine temperature
  - Alarm for high oil temperature
  - Pressure of turbo air
  - Pressure of inverter oil
  - Alarm of low pressure of inverter oil
  - Consume l/h
  - Battery supply
  - Alarm for low battery supply
  - Fuel level
  - Alarm of low fuel level

Range level	Frame color	Dial color	Instrument diameter	Input	Front	Indicator color	Supply	Code
0 - 3000 rpm	Black	Black	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71841
0 - 3000 rpm	Black	White	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71842
0 - 4000 rpm	Black	Black	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71843
0 - 4000 rpm	Black	White	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71844
0 - 5000 rpm	Black	Black	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71845
0 - 5000 rpm	Black	White	85 mm	CAN Bus, W, Pick Up	IP 66	Red	9-32 VDC	RE 71846



### VERTICAL SENSOR (WATER AND FUEL)

For San Giorgio instruments (Veglia calibrated)

In stainless steel (hose of 14mm) and full float (42mm diameter). Reed relay operating, earth insulated

Range	Voltage	Negative	Flange diameter	Holes	Float diameter	Installation hole	Output	Code
160 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71410
200 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71411
250 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71412
300 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71414
350 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71416
380 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71417
400 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71418
450 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71419
500 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71420
550 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71421
600 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71422
650 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71423
700 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71424
750 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71425
800 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71426
850 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71427
900 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71428
950 mm	12 - 24 V	Ground	70 mm	5	42 mm	50 mm	300-10 Ω	RE 71429

On request is available with VDO calibration

In your order, you have to specify the same code of trasducers adding the V letter i.e. RE 71410/V



### WASTE AND GRAY WATER SENSOR LEVEL

REED Technology is equipped with a special S/Steel cylindric float, designed for preventing malfunctions caused by waste impurities. Features:

- Corrosion resistant
- Self-cleaning action
- Its shape and the materials are designed for reducing the deposits

Range	Supply	Round flange	Holes	Float diameter	Output	Code
160 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71850
200 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71851
250 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71852
300 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71853
350 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71854
380 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71855
400 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71856
450 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71857
500 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71858
550 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71859
600 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71860
650 mm	12 - 24 V	70 mm	5	45 mm	300-10 Ohm	RE 71861



### 'CAR MODEL' FUEL LEVEL SENSOR

Due to its system and adjustable length, this sensor can be installed on every tank with 70mm or 75mm flange and with a depth between 300 and 600 mm.

It can be used for gasoline, oil and fuel. Optional alarm at 10% can be provided.

Range	Voltage	Diameter	Holes	Alarm	Output	Code
300 - 600 mm	12 - 24V	70 mm	5	NO	300-10 Ohm	RE 71862
300 - 600 mm	12 - 24V	70 mm	5	YES	300-10 Ohm	RE 71863
300 - 600 mm	12 - 24V	75 mm	6	NO	300-10 Ohm	RE 71864
300 - 600 mm	12 - 24V	75 mm	6	YES	300-10 Ohm	RE 71865

### BILGE LEVEL SWITCH

Floating bilge switch for water alarm – 1 contact

RE 71409



### TEMPERATURE SENSORS

1 common negative pole

Range °C	Threading	Key	Negative	Voltage supply	Calibration	Connections	Code
0 - 150°	M 14x1,5	19	Ground	6 - 24 V	992-50 Ω	1 Faston	RE 71460
0 - 150°	M 16x1,5	19	Ground	6 - 24 V	992-50 Ω	1 Faston	RE 71461



### TEMPERATURE SENSORS

2 insulated pole

Range °C	Threading	Key	Poly	Voltage supply	Calibration	Connections	Code
0 - 150°	M 14x1,5	22	Isolated	6 - 24 V	992-50 Ω	2 Faston	RE 71462
0 - 150°	M 16x1,5	22	Isolated	6 - 24 V	992-50 Ω	2 Faston	RE 71463



### HIGH TEMPERATURE ALARM SENSORS

With high temperature alarm

Alarm °C	Threading	Key	Voltage supply	Connections	Code
95°	M 14x1,5	22	6 - 24 V	2 Faston	RE 71467
100°	M 14x1,5	19	6 - 24 V	1 Faston	RE 71468
109°	M 16x1,5	22	6 - 24 V	1 Faston	RE 71469
135°	M 14x1,5	22	6 - 24 V	1 Faston	RE 71470



### TEMPERATURE SENSOR 1 POLE + ALARM

Negative ground

Range °C	Alarm °C	Threading	Wrench	Voltage	Output	Connections	Code
0 - 120°	107°	M16 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71870
0 - 120°	115°	M14 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71871
0 - 120°	107°	M14 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71872
0 - 120°	100°	M14 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71873
0 - 150°	130°	M16 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71874
0 - 120°	100°	M16 x 1,5	22	6 - 24 V	992-50 ohm	2 Faston	RE 71875



### HIGH TEMPERATURE ALARM CONTACTS

Negative ground

Alarm °C	Threading	Wrench	Contact	Voltage	Connections	Code
60°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71876
65°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71877
65°	M18 x 1,5	22	SS	6 - 24 V	1 pole	RE 71878
80°	M14 x 1,5	22	SS	6 - 24 V	1 pole	RE 71879
92°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71880
95°	M14 x 1,5	22	SS	6 - 24 V	1 pole	RE 71881
100°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71882
105°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71883
110°	M14 x 1,5	19	SS	6 - 24 V	1 pole	RE 71884
130°	M14 x 1,5	22	SS	6 - 24 V	1 pole	RE 71885
135°	M14 x 1,5	22	SS	6 - 24 V	1 pole	RE 71886



### PRESSURE SENSOR

1 ground pole

Range	Threading	Wrench	Output	Voltage	Negative	Connections	Code
0-8 bar	M 10x1	17	240-30 Ω	6-24 V	Ground	1 Faston	RE 71408
0-8 bar	M 14x1,5	19	240-30 Ω	6-24 V	Ground	1 Faston	RE 71443
0-24 bar	M 10x1	17	240-30 Ω	6-24 V	Ground	1 Faston	RE 71444
0-24 bar	M 14x1,5	19	240-30 Ω	6-24 V	Ground	1 Faston	RE 71445



### PRESSURE SENSOR

2 insulated poles

Range	Threading	Wrench	Output	Voltage	Poles	Connections	Code
0-8 bar	M 10x1	17	240-30 Ω	6-24 V	2 isolated	2 Faston	RE 71446
0-24 bar	M 10x1	14	240-30 Ω	6-24 V	2 isolated	2 Faston	RE 71447



### ADJUSTABLE PRESSURE ALARM SWITCH

Range	Threading	Wrench	Contact	Voltage	Poles	Code
0,2-2,5 bar	M 10x1	24	N.A	6-24 V	2 isolated	RE 71450
5-50 bar	M 10x1	24	N.A	6-24 V	2 isolated	RE 71451



### PRESSURE SENSOR 1 POLE+ALARM

Range	Threading	Wrench	Alarm	Voltage	Output	Connections	Code
0-8 bar	M14 x 1,5	19	0,8 bar	6-24 V	240-30 ohm	1 pole	RE 71666
0-8 bar	M10x1	17	0,8 bar	6-24 V	240-30 ohm	1 pole	RE 71667



### PRESSURE CONTACTS

Threading	Alarm	Wrench	Contact	Voltage	Connections	Code
M10 x 1	0,3 bar	24	SF	6-24 V	1 pole	RE 71887
M10 x 1	0,8 bar	24	SF	6-24 V	1 pole	RE 71888
M12 x 1	0,1 bar	24	SF	6-24 V	isolated	RE 71889
M10 x 1	0,5 bar	24	SF	6-24 V	1 pole	RE 71890
M10 x 1	1 bar	24	SF	6-24 V	1 pole	RE 71891
M12 x 1	0,05 bar	24	SF	6-24 V	1 pole	RE 71892



### JOINTS AND ADAPTORS

Female threading	Male threading	Wrench	Code
M10 x 1	M14 x 1,5	19	RE 71893
M10 x 1	M18 x 1,5	24	RE 71894
M10 x 1	M16 x 1,5	24	RE 71895
M10 x 1	"1/4" 18 NTPF"	24	RE 71896
M10 x 1	"3/8" 18 NTPF"	19	RE 71897
M14 x 1,5	M16 x 1,5	19	RE 71898
M14 x 1,5	M18 x 1,5	23	RE 71899
M14 x 1,5	"3/8" 18 NTPF"	19	RE 71900
M14 x 1,5	"1/4" 18 NTPF"	22	RE 71901

## TACHOMETER

The Viewline rev counter with or without operating hours counter (EHC).  
 Can be connected to conventional marine engines (no data bus).  
 8 - 32 V operation. 85 mm installation diameter. 8 pole Tyco/Hirschmann bush housing  
 +/- 2.5 angle degree precision.  
 100 mA current consumption with an LED warning light as standard  
 Up to five optional warning lights  
 Optional 2nd frequency input (on devices with display)  
 Connection for external switch keys for display toggling  
 Connection for external alerts (options)  
 Various pulse numbers adjustable via switch keys and/or software  
 Anti-fog double lens. Degree of protection: IP 67



## TACHOMETER WITH HOURS COUNTER Ø 85 MM

Range	Frame color	Dial color	Ø	Supply	Signal	Code
0-3000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71656
0-3000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71657
0-4000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71658
0-4000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71659
0-5000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71660
0-5000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71661
0-6000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71662
0-6000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71663
0-7000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71664
0-7000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71665
0-8000	Black	Black	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71674
0-8000	White	White	85 mm	8 - 32 V	W, 1, Inductive, Gen. Tac., Hall	RE 71675



## TACHOMETER Ø 85 MM

Range	Frame color	Dial color	Ø	Supply	Signal	Code
0-3000	Black	Black	85 mm	8 - 32 V	W, 1	RE 71668
0-3000	White	White	85 mm	8 - 32 V	W, 1	RE 71669
0-4000	Black	Black	85 mm	8 - 32 V	W, 1	RE 71670
0-4000	White	White	85 mm	8 - 32 V	W, 1	RE 71671
0-6000	Black	Black	85 mm	8 - 32 V	W, 1	RE 71672
0-6000	White	White	85 mm	8 - 32 V	W, 1	RE 71673



## DEPTH GAUGE

The ViewLine depth indicator measures water depth.  
 The integrated alarm, which can be configured to the user's specification, ensures safe passage through shallow waters. 8 and 14 pole Tyco / Hirschmann bush housing.  
 Accuracy +/- 2.5% (depending on the nature of the bottom and water quality).  
 Current consumption <150 mA, with integrated warning light (LED).  
 Warning light for configurable shallow water alarm. NMEA input for active NMEA 0183 depth sensor.  
 Display with various functions, e. g., water temperature, depth, shallow water alarm, time, voltage, etc.  
 Reverse polarity protection. Anti-fog double lens. Front side protection rating IP67. 50mm installation depth.

Range meter	Background color	Diameter	Voltage	Code
0-3000	Black	85 mm	8 - 32 V	RE 71676
0-3000	White	85 mm	8 - 32 V	RE 71677





### SYNCHRONIZER

The Viewline synchronizer is an indispensable aid in guaranteeing the correct synchronous running of both drive units. 8 - 32 V operation. 85 mm installation diameter. 8 pole Tyco/Hirschmann bush housing. +/- 2.5° angle degree precision. 100 mA current consumption.. Second supplementary frequency input Connection for external alerts (option). Various pulse numbers adjustable via switch keys and/or software. Anti-fog double lens. Degree of protections: IP 67.

Range	Frame color	Dial color	Ø	Supply	Signal	Code
± 500	Black	Black	85 mm	8 - 32 V	W, 1, Inductive	RE 71680
± 500	White	White	85 mm	8 - 32 V	W, 1, Inductive	RE 71681



### SPEED INDICATOR GPS

This multifunctional gauge with segment display is intended for use in the marine market in open boats. Based on the ViewLine housing concept, the cluster provides an ideal IP protection class, a modern appearance and high quality standards. Embedded GPS antenna. Robust and flexible design for versatile applications. CAN capability (NMEA 2000). Pointer for analog indication of Speed over Ground (SOG). Programmable speed alarm. Fixed segment LC display. Flush mount possibility. Front side protection rating IP 67. Compass for Course over Ground (COG). Clock. 110 mm installation diameter. 126 mm outer diameter. 50 mm installation depth.

Range	Voltage	Operating temperature	Code
0 - 12 knots/kmh/mph	8.5 - 16 V	-20° / + 85 °C	RE 71650
0 - 35 knots/kmh/mph	8.5 - 16 V	-20° / + 85 °C	RE 71652
0 - 70 knots/kmh/mph	8.5 - 16 V	-20° / + 85 °C	RE 71654



### RUDDER ANGLE

The Viewline rudder angle instrument ,for wheel-controlled yachts, displays the current rudder position at all times. 8-32 V operation. Mechanical specification such as rev counter and tachometer. 85 mm installation diameter. 8 pole Tyco/Hirschmann bush housing. <100 mA current consumption. Anti-fog double lens. Degree of protections IP 67.

#### RUDDER ANGLE Ø 85 MM

Range	Frame color	Dial color	Ø	Supply	Code
± 45 °	Black	Black	85 mm	8 - 32 V	RE 71682
± 45 °	White	White	85 mm	8 - 32 V	RE 71683

#### RUDDER ANGLE Ø 52 MM

Range	Frame color	Dial color	Ø	Supply	Code
± 40 °	Black	Black	52 mm	8 - 32 V	RE 71684
± 40 °	White	White	52 mm	8 - 32 V	RE 71685



### RUDDER ANGLE SENSOR

Supply	Measuring range	Connection angle length	Connection	Resistance range Ohm	OEM	Code
12-24 V	± 45 °	35.....125 mm	2 M3 studs	10.....180	440-102-001-001	RE 71118

### RUDDER ANGLE SENSOR FOR DUAL STATION

Supply	Measuring range	Connection angle length	Connection	Resistance range Ohm	OEM	Code
12-24 V	± 45 °	35.....125 mm	2 M3 studs	5.....90	440-102-002-001	RE 71119

### WATER TEMPERATURE INDICATOR Ø 52 MM

The temperature gauge displays any sudden rise in coolant temperature, helping to prevent serious damage and the associated expense. 8 pole Tyco/Hirschmann MQS plug. +/-3.6° angle degree accuracy over the entire display area. Current consumption <130 mA with LED warning light. Reverse polarity protection. Input signal: Standard Ohm values. 90° display angle. Anti-fog double lens. Front panel in compliance with IP 67 protection rating. Red LED warning light. Optional makepoint switch can be connected.



### WATER TEMPERATURE INDICATOR Ø 52 MM

Range	Comparative range	Frame color	Dial color	Ø	Supply	Code
40° - 120° C	105° - 250° F	Black	Black	52 mm	8 - 32 V	RE 71686
40° - 120° C	105° - 250° F	White	White	52 mm	8 - 32 V	RE 71687
105° - 250° F	40° - 120° C	Black	Black	52 mm	8 - 32 V	RE 71688
105° - 250° F	40° - 120° C	White	White	52 mm	8 - 32 V	RE 71689



### OIL TEMPERATURE INDICATOR Ø 52 MM

Range	Comparative range	Frame color	Dial color	Ø	Supply	Code
50° - 150° C	120° - 300° F	Black	Black	52 mm	8 - 32 V	RE 71690
50° - 150° C	120° - 300° F	White	White	52 mm	8 - 32 V	RE 71691
120° - 300° F	50° - 150° C	Black	Black	52 mm	8 - 32 V	RE 71692
120° - 300° F	50° - 150° C	White	White	52 mm	8 - 32 V	RE 71693

### HOURS COUNTER (OHC)

The Viewline operating hours counter makes it easy to stick to a proper maintenance schedule. It is only activated when the engine is running so only genuine engine operating hours are counted. Display angle 240°. 8 pole Tyco/Hirschmann MQS plug. Indication error <2,5 angle degree over the entire display area. Current consumption <100 mA with LED function light (green). Integrated red LED warning light. Reverse polarity protection. Anti-fog double lens. Degree of protection: IP67.



Range	Frame color	Dial color	Ø	Supply	Code
0 - 99999,9 hours	Black	Black	52 mm	9 - 30 V	RE 71695
0 - 99999,9 hours	White	White	52 mm	9 - 30 V	RE 71694

### TRIM INSTRUMENT

The trim gauge provides information about the position of the Z-drive in relation to the boat's stern and optimise the boat's trim. LED background illumination (transmitted light). Exchangeable front rings. Red LED warning lamp. IP 67 protection class, Anti-fog double lens.



Range	Frame color	Dial color	Ø	Supply	Code
167 - 10 Ohm	Black	Black	52 mm	8 - 32 V	RE 71696
167 - 10 Ohm	White	White	52 mm	8 - 32 V	RE 71697

## PRESSURE GAUGE (MANOMETER) Ø 52 MM

The pressure gauge detects fluctuations in engine and gearbox oil pressure, and changes in turbocharger boost. 8 pole Tyco/Hirschmann MQS plug. +/-3.6° angle degree accuracy over the entire display area. Operating voltage 10 - 16 V, 16 - 32 V with dropping resistor. Current consumption <130 mA with LED warning light. Reverse polarity protection. Input signal: Standard Ohm values. 90° display angle. 52 mm installation diameter. Anti-fog double lens  
Degree of protection: IP 67  
Red LED warning light  
Optional makepoint switch can be connected.



## ENGINE OIL PRESSURE INDICATORS Ø 52 MM

Range level	Comparative level	Frame color	Dial color	Ø	Supply	Resistance range	Code
0 - 5 Bar	0 - 80 Psi	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71700
0 - 5 Bar	0 - 80 Psi	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71701
0 - 10 Bar	0 - 150 Psi	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71702
0 - 10 Bar	0 - 150 Psi	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71703
0 - 25 Bar	0 - 350 Psi	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71710
0 - 25 Bar	0 - 350 Psi	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71723
0 - 30 Bar	0 - 435 Psi	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71711
0 - 30 Bar	0 - 435 Psi	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71744
0 - 80 Psi	0 - 5 Bar	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71704
0 - 80 Psi	0 - 5 Bar	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71705
0 - 150 Psi	0 - 10 Bar	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71709
0 - 400 Psi	0 - 25 Bar	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71712
0 - 400 Psi	0 - 25 Bar	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71714

## TURBINE OIL PRESSURE GAUGE Ø 52 MM

Range level	Comparative level	Frame color	Dial color	Ø	Supply	Resistance range	Code
0 - 2 Bar	0 - 30 Psi	Black	Black	52 mm	8 - 32 V	10 - 184 Ohm	RE 71715
0 - 2 Bar	0 - 30 Psi	White	White	52 mm	8 - 32 V	10 - 184 Ohm	RE 71716

## EXTERNAL AIR TEMPERATURE

It signals sudden temperature augmentation. LED illumination, double anti-fog lens, IP67 protection. Front and installation diameter 52 mm.



Range	Frame color	Dial color	Ø	Supply	Input	Code
-25° + 50° C	Black	Black	52 mm	8 - 32 V	2 k Ohm	RE 71910
-25° + 50° C	White	White	52 mm	8 - 32 V	2 k Ohm	RE 71911
-10° + 120° F	Black	Black	52 mm	8 - 32 V	2 k Ohm	RE 71912
-10° + 120° F	White	White	52 mm	8 - 32 V	2 k Ohm	RE 71913

## ELECTRONIC PRESSURE SENSOR EPS

The active pressure sensors with voltage output are used to measure pressure of gaseous and liquid media in a variety of applications at various locations. The pressure sensor unit is based on a stainless steel sensing element and converts fluctuations of measuring medium into a pressure-proportional electrical output signal (0.5 – 4.5 V)



Range bar	Voltage	Thread	Code
10 Bar	8 - 32 V	M12 x 1.5	RE 71138
16 Bar	8 - 32 V	M12 x 1.5	RE 71139
30 Bar	8 - 32 V	M12 x 1.5	RE 71140

**LEVEL GAUGE Ø 52 MM**

Provides information about the fuel level in the tank  
 Can be used with all different types of tank sensors.  
 8 pole Tyco/Hirschmann MQS plug  
 +/-3.6° angle degree accuracy over the entire display area  
 Current consumption <130 mA with LED warning light  
 Reverse polarity protection  
 Input signal: Standard Ohm values  
 90° display angle  
 52 mm installation diameter Anti-fog double lens  
 Degree of protection: IP 67  
 Red LED warning light  
 Optional makepoint switch can be connected



**FUEL LEVEL GAUGE Ø 52 MM**

Range	Frame color	Dial color	Ø	Supply	Resistance range	Code
0 - 1/1	Black	Black	52 mm	8 - 32V	3 - 180 Ohm	RE 71718
0 - 1/1	White	White	52 mm	8 - 32V	3 - 180 Ohm	RE 71719
0 - 1/1	Black	Black	52 mm	8 - 32V	90 - 4 Ohm	RE 71720
0 - 1/1	White	White	52 mm	8 - 32V	90 - 4 Ohm	RE 71721
E - F	Black	Black	52 mm	8 - 32V	90 - 4 Ohm	RE 71724
E - F	White	White	52 mm	8 - 32V	90 - 4 Ohm	RE 71725
E - F	Black	Black	52 mm	8 - 32V	0 - 90 Ohm	RE 71726
E - F	White	White	52 mm	8 - 32V	0 - 90 Ohm	RE 71727
E - F	Black	Black	52 mm	8 - 32V	240 - 33,5 Ohm	RE 71745
E - F	White	White	52 mm	8 - 32V	240 - 33,5 Ohm	RE 71746

**FRESH WATER LEVEL GAUGE Ø 52 MM**

Range	Frame color	Dial color	Type	Ø	Supply	Input	Code
0 - 1/1	Black	Black	Capacitive	52 mm	8 - 32V	4 - 20 mA	RE 71728
0 - 1/1	White	White	Capacitive	52 mm	8 - 32V	4 - 20 mA	RE 71729
0 - 1/1	Black	Black	Resistive	52 mm	8 - 32V	3 - 180 Ohm	RE 71730
0 - 1/1	White	White	Resistive	52 mm	8 - 32V	3 - 180 Ohm	RE 71731
E - F	Black	Black	Resistive	52 mm	8 - 32V	3 - 180 Ohm	RE 71732
E - F	White	White	Resistive	52 mm	8 - 32V	3 - 180 Ohm	RE 71733



**BLACKWATER LEVEL GAUGE Ø 52 MM**

Range	Frame color	Dial color	Ø	Supply	Input	Code
0 - 1/1	Black	Black	52 mm	8 - 32V	4 - 20 mA	RE 71734
0 - 1/1	White	White	52 mm	8 - 32V	4 - 20 mA	RE 71735



**VOLTMETERS Ø 52 MM**

The voltmeter displays the status of generator and battery and their loads on a voltage scale. Values exceeding the normal charging voltages can therefore be monitored exactly. In addition, even potential deep discharges can be detected. 8 pole Tyco/Hirschmann MQS plug. +/-3.6° angle degree accuracy over the entire display area. Current consumption <130 mA with LED warning light. Reverse polarity protection. 90° display angle - Anti-fog double lens. Front panel in compliance with IP 67 protection rating. Red LED warning light.

Range	Frame color	Dial color	Ø	Code
8 - 16 V	Black	Black	52 mm	RE 71736
8 - 16 V	White	White	52 mm	RE 71737
18 - 32 V	Black	Black	52 mm	RE 71738
18 - 32 V	White	White	52 mm	RE 71739



**PIROMETER**

The pyrometer indicates the exhaust temperature LED background illumination IP 67 protection class Anti-fog double lens. Diameter for installation 52mm

Range	Input	Frame color	Dial color	Ø	Supply	Code
100° 900° C	37 mV	Black	Black	52 mm	8 - 32 V	RE 71920
100° 900° C	37 mV	White	White	52 mm	8 - 32 V	RE 71921
250° 1650° F	37 mV	Black	Black	52 mm	8 - 32 V	RE 71922
250° 1650° F	37 mV	White	White	52 mm	8 - 32 V	RE 71923



**PIROMETER SENSOR**

Pyrometer sensor for temperature measurement.

Range	Terminals	Code
100 - 900° C	Yellow = Positive	RE 71141



**WATCH**

Range level	Colore cornice	Colore sfondo	Ø	Supply	Code
3 - 6 - 9 - 12	Black	Black	52 mm	8 - 16 V	RE 71924
3 - 6 - 9 - 12	White	White	52 mm	8 - 16 V	RE 71925
3 - 6 - 9 - 12	Black	Black	52 mm	18 - 32 V	RE 71926
3 - 6 - 9 - 12	White	White	52 mm	18 - 32 V	RE 71927



**AMMETERS Ø 52 MM**

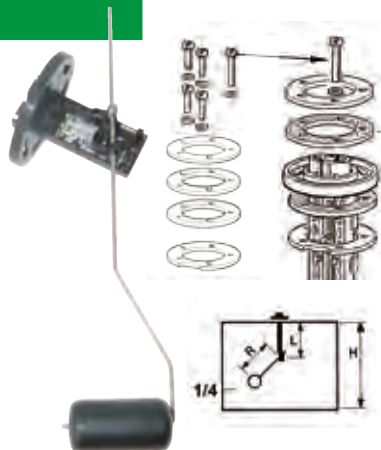
The ammeter provides an overview of the entire electrical system. The level of current being drawn and the supply current are clearly displayed, and the shunt – a measurement resistor can be inserted into the measurement point in a matter of seconds. The fine connecting cable that runs from the shunt to the gauge is easy to lay without taking up much space. 240° display angle 240°. 8 pole Tyco/Hirschmann MQS plug. < 2.5°-angle degree accuracy over the entire display area. Current consumption <100 mA with LED warning light. Integrated red LED warning light. Reverse polarity protection. Anti-fog double lens. Degree of protection: IP 67 Programmable warning point (PC software).

Range level	Frame color	Dial color	Ø	Supply	Code
0 + - 60	Black	Black	52 mm	8 - 32 V	RE 71740
0 + - 60	White	White	52 mm	8 - 32 V	RE 71741
0 + - 150	Black	Black	52 mm	8 - 32 V	RE 71742
0 + - 150	White	White	52 mm	8 - 32 V	RE 71743

Shunt 60A-60mV  
Shunt 150A-60mV

RE 71698  
RE 71699



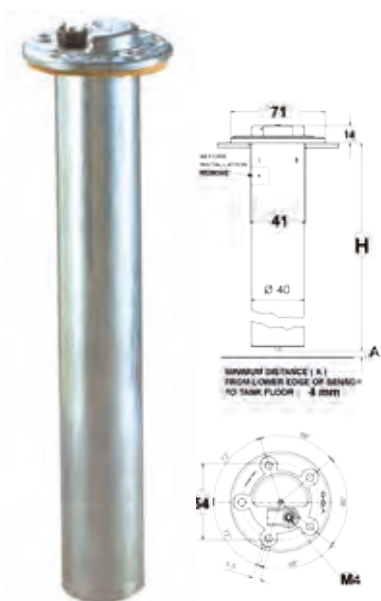


## ADJUSTABLE LEVEL SENSOR

FOR FUEL TANK

It's possible to cut the lever to adapt to the tank height

OEM	Tank height mm	Power supply	Negative	Range	Alarm for LOWLEV	Double floating indicat.	Mounting circular flange	Mounting kit flange	Code
226-801-015-001	150 - 600	12 - 24 V	Isolated	3 - 180 Ω	NO	NO	Ø 54 mm	YES	RE 71003
A2C59510165	145 - 400	12 - 24 V	Isolated	3 - 180 Ω	YES	NO	Ø 54 mm	NO	RE 71004
A2C59510166	145 - 400	12 - 24 V	Isolated	240 - 33 Ω	NO	NO	Ø 54 mm	NO	RE 71005
A2C59510167	145 - 400	12 - 24 V	Isolated	0 - 90 Ω	YES	YES	Ø 54 mm	NO	RE 71006



## TUBULAR SENSOR

CIRCULAR FLANGE 54mm. Ground on the tank. 5 mounting holes.

Cork gasket 66.5x4.5mm.

OEM	Height sensor	Power supply	Negative	Reading range	Mounting hole	Circular flange	Code
224-011-000-020	200 mm	12 - 24 V	Ground	2,5 - 68 Ω	Ø 41 mm	Ø 54 mm	RE 71007
224-011-000-025	250 mm	12 - 24 V	Ground	2,5 - 72 Ω	Ø 41 mm	Ø 54 mm	RE 71008
224-011-000-030	300 mm	12 - 24 V	Ground	2,5 - 82,8 Ω	Ø 41 mm	Ø 54 mm	RE 71009
224-011-000-035	350 mm	12 - 24 V	Ground	2,5 - 79,6 Ω	Ø 41 mm	Ø 54 mm	RE 71011
224-011-000-040	400 mm	12 - 24 V	Ground	2,5 - 74,9 Ω	Ø 41 mm	Ø 54 mm	RE 71014
224-011-000-045	450 mm	12 - 24 V	Ground	2,5 - 84,3 Ω	Ø 41 mm	Ø 54 mm	RE 71015
224-011-000-050	500 mm	12 - 24 V	Ground	2,5 - 75,4 Ω	Ø 41 mm	Ø 54 mm	RE 71016
224-011-000-055	550 mm	12 - 24 V	Ground	2,5 - 77,6 Ω	Ø 41 mm	Ø 54 mm	RE 71017
224-011-000-060	600 mm	12 - 24 V	Ground	2,5 - 85,3 Ω	Ø 41 mm	Ø 54 mm	RE 71018
224-011-000-065	650 mm	12 - 24 V	Ground	2,5 - 82,2 Ω	Ø 41 mm	Ø 54 mm	RE 71019
224-011-000-070	700 mm	12 - 24 V	Ground	2,0 - 81,6 Ω	Ø 41 mm	Ø 54 mm	RE 71020
224-011-000-075	750 mm	12 - 24 V	Ground	2,0 - 82,0 Ω	Ø 41 mm	Ø 54 mm	RE 71021
224-011-000-080	800 mm	12 - 24 V	Ground	2,0 - 68,5 Ω	Ø 41 mm	Ø 54 mm	RE 71022



## FRESH WATER SENSOR CAPACITIVE

It's possible to adjust its length by cutting the sensor

Tank Height	Supply	Negative	Ampere	Contacts	Circular flange	Mounting hole	OEM	Code
80...600 mm	12 - 24 V	Ground	4...20 mA	2 Faston	71 mm	42 mm	N-02-240-402	RE 71026
600...1200 mm	12 - 24 V	Ground	4...20 mA	2 Faston	71 mm	42 mm	N-02-240-404	RE 71031
1200...1500 mm	12 - 24 V	Ground	4...20 mA	2 Faston	72 mm	42 mm	N-02-240-406	RE 71032



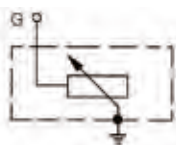
## WASTE WATER SENSOR CAPACITIVE

GALVANIZED INSULATION

It's possible to adjust its length by cutting the sensor

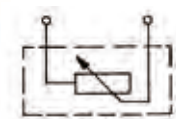
With adjustable alarm contact

Adjustable sensor height	Supply	Ampere	Contacts	Circular flange	Mounting hole	OEM	Code
200...600 mm	12 - 24 V	40...20 mA	2 Faston	78,5 mm	42 mm	N-02-240-902	RE 71033
600...1200 mm	12 - 24 V	40...20 mA	2 Faston	78,5 mm	42 mm	N-02-240-904	RE 71028
1200...1500 mm	12 - 24 V	40...20 mA	2 Faston	78,5 mm	42 mm	N-02-240-906	RE 71029



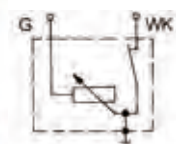
### VDO PRESSURE SENSORS (1 NEGATIVE COMMON POLE)

Range	Threading	Voltage	Negative	Connection	OEM	Code
5 bar - 75 psi	M 10x1/with short	6 - 24 V	Common	Knurled	360-081-029-001C	RE 71070
5 bar - 75 psi	1/8 - 27 NPTF	6 - 24 V	Common	Knurled	360-081-029-004C	RE 71034
10 bar - 150 psi	1/8 - 27 NPTF	6 - 24 V	Common	Knurled	360-081-029-012C	RE 71036
10 bar - 150 psi	M 14x 1,5	6 - 24 V	Common	Knurled	360-081-029-033C	RE 71035



### VDO OIL PRESSURE SENSORS (INSULATED POLES)

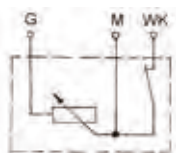
Range	Threading	Voltage	Negative	Connection	OEM	Code
2 bar - 30 psi	M 18x1,5	6 - 24 V	Insulated	2 Faston a 50°	360-081-032-011C	RE 71039
2 bar - 30 psi	1/8 - 27 NPTF	6 - 24 V	Insulated	2 Faston a 50°	360-081-032-025C	RE 71041
5 bar - 75 psi	M 10x1/with short	6 - 24 V	Insulated	Knurled nud	360-081-032-002C	RE 71037
5 bar - 75 psi	M 18x1,5	6 - 24 V	Insulated	Knurled nud	360-081-032-013C	RE 71038
5 bar - 75 psi	1/8 - 27 NPTF	6 - 24 V	Insulated	Knurled nud	360-081-032-001C	RE 71040
10 bar - 150 psi	M 10x1/with short	6 - 24 V	Insulated	Knurled nud	360-081-032-003C	RE 71042
10 bar - 150 psi	M 12x1,5	6 - 24 V	Insulated	Knurled nud	360-081-032-053C	RE 71043
10 bar - 150 psi	M 14x1,5	6 - 24 V	Insulated	Knurled nud	360-081-032-006C	RE 71044
10 bar - 150 psi	1/8 - 27 NPTF	6 - 24 V	Insulated	Knurled nud	360-081-032-014C	RE 71045
25 bar - 350 psi	M 14x1,5	6 - 24 V	Insulated	M4 hexagonal nuts	360-081-038-001C	RE 71046
25 bar - 350 psi	1/8 - 27 NPTF	6 - 24 V	Insulated	M4 hexagonal nuts	360-081-038-003C	RE 71047



### VDO OIL PRESSURE SENSORS WITH ALARM CONTACT (1 NEGATIVE COMMON POLE)

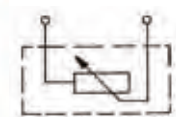
Connection with 2 knurled nuts M4 (WK – G). Alarm contact: closure when pressure falls.

Range	Threading	Range	Voltage	Power contact alarm	OEM	Code
5 bar - 75 psi	M 12x1,5	0,5 bar	6 - 24 V	5 W NA	360-081-030-008C	RE 71050
5 bar - 75 psi	1/8 - 27 NPTF	0,5 bar	6 - 24 V	5 W NA	360-081-030-086C	RE 71052
5 bar - 75 psi	M 10x1 /with short	0,7 bar	6 - 24 V	5 W NA	360-081-030-004C	RE 71053
80 PSI	1/4 - 18 NPTF	8 PSI	6 - 24 V	5 W NA	360-081-030-020C	RE 71054
10 bar - 150 psi	M 10x1 /with short	0,5 bar	6 - 24 V	5 W NA	360-081-030-009C	RE 71055
10 bar - 150 psi	M 12x1,5	0,5 bar	6 - 24 V	5 W NA	360-081-030-022C	RE 71056
10 bar - 150 psi	1/8 - 27 NPTF	0,5 bar	6 - 24 V	5 W NA	360-081-030-052C	RE 71057
10 bar - 150 psi	M 10x1 /with short	0,75 bar	6 - 24 V	5 W NA	360-081-030-039C	RE 71058
10 bar - 150 psi	M 10x1 /with short	0,9 bar	6 - 24 V	5 W NA	360-081-030-017C	RE 71060



### VDO OIL PRESSURE SENSORS WITH ALARM CONTACT (3 TERMINALS). Connection with 3 Faston 6.3mm.

Range	Threading	Range	Voltage	Power contact alarm	OEM	Code
10 bar - 150 psi	1/8 - 27 NPTF	0,8 bar	6 - 24 V	5 W NA	360-081-039-003C	RE 71068
5 bar - 75 psi	1/8 - 27 NPTF	0,8 bar	6 - 24 V	5 W NA	360-081-039-002C	RE 71069



### VDO OIL PRESSURE SENSORS FOR DUAL STATION

To connect to two instruments.

Range	Threading	Poles	Voltage	Connection	OEM	Code
25 bar - 350 psi	1/8 - 27 NPTF	1 common pole neg	6 - 24 V	2 Faston	362-081-004-001C	RE 71065
25 bar - 350 psi	1/8 - 27 NPTF	Insulated poles	6 - 24 V	2 Faston	362-081-002-001K	RE 71064



1 polo negativo comune

6,3 x 0,8mm



### TEMPERATURE WATER SENSOR

1 common negative pole. Connection: 1 Faston 6.3mm.

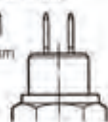
°C MAX	Threading	Switching Load	Voltage	Operating value °C	Ohm	OEM	Code
120°	M 14x1,5	3 min	12 - 24 V	90°	51,2	323-801-001-006N	RE 71074
120°	M 16x1,5	3 min	12 - 24 V	90°	51,2	323-801-001-040N	RE 71075
120°	M 18x1,5	3 min	12 - 24 V	90°	51,2	323-801-001-022N	RE 71076
120°	M 10x1	3 min	12 - 24 V	90°	51,2	323-801-017-001N	RE 71077
120°	M 16x1,5	3 min	12 - 24 V	90°	51,2	323-801-001-029N	RE 71078
120°	3/8 -18 NPTF	3 min	12 - 24 V	90°	51,2	323-801-001-007N	RE 71079
120°	5/8 -18 UNF - 3A	3 min	12 - 24 V	90°	51,2	323-801-001-008N	RE 71080



negativo isolato

(2x)

6,3 x 0,8mm



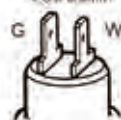
### TEMPERATURE OIL SENSOR

INSULATED NEGATIVE. Connection: 2 Faston 6.3mm.

°C MAX	Threading	Switching Load	Voltage	Operating value °C	Ohm	OEM	Code
150°	M 14x1,5	3 min	12 - 24 V	120°	36,5	323-805-003-001N	RE 71091
150°	1/4 -18 NPTF	3 min	12 - 24 V	120°	36,5	323-805-003-002N	RE 71092
150°	5/8 -18 UNF - 2A	3 min	12 - 24 V	120°	36,5	323-805-003-003N	RE 71093



G = Terminali a lama 6,3 x 0,8mm  
W = Terminali a lama 4,8 x 0,8mm



### TEMPERATURE WATER SENSOR (WITH ALARM CONTACT)

COMMON NEGATIVE. Switching load: min 3 after the connection chngement. Contact type: closure when temperature arises.

°C MAX	Threading	Contact points	Voltage	Operating value °C	Ohm	OEM	Code
120°	M 14x1,5	80°	12 - 24 V	90°	51,2	323-803-001-023D	RE 71094
120°	M 14x1,5	90°	12 - 24 V	90°	51,2	323-803-001-004D	RE 71095
120°	M 14x1,5	96°	12 - 24 V	90°	51,2	323-803-001-006D	RE 71097
120°	M 14x1,5	110°	12 - 24 V	90°	51,2	323-803-001-008D	RE 71098
120°	5/8 -18 NF - 3	95°	12 - 24 V	90°	51,2	323-803-001-011D	RE 71099
120°	5/8 -18 NF - 3	98°	12 - 24 V	90°	51,2	323-803-001-002D	RE 71000
120°	5/8 -18 NF - 3	100°	12 - 24 V	90°	51,2	323-803-001-012D	RE 71101
120°	1/2 -14 NPTF	95°	12 - 24 V	90°	51,2	323-803-001-019D	RE 71102



### TEMPERATURE WATER SENSOR FOR DUAL STATION, D MARKED

D marked sensor. Switching load: min 3 after the connection chngement. Contact type: closure when temperature arises. Connection: negative 1 Faston Insulated negative 2 Faston.

°C MAX	Threading	Negative pole	Voltage	Operating value °C	Ohm	OEM	Code
120°	M 18x1,5	Ground	12 - 24 V	90°	25,6	325-801-002-002D	RE 71103
120°	1/4 -18 NPTF	Ground	12 - 24 V	90°	25,6	325-801-002-001C	RE 71104
120°	1/4 -18 NPTF	Isolated	12 - 24 V	90°	25,6	325-805-003-001C	RE 71105
120°	3/8 -18 NPTF	Isolated	12 - 24 V	90°	25,6	325-805-003-003C	RE 71106



negativo isolato

(2x)

6,3 x 0,8mm



### TEMPERATURE WATER SENSOR

INSULATED NEGATIVE. Connection: 2 Faston 6.3mm.

°C MAX	Threading	Switching Load	Voltage	Operating value °C	Ohm	OEM	Code
120°	M 12x1,5	3 min	12 - 24 V	90°	51,2	323-805-001-015N	RE 71084
120°	1/2 -14 NPTF	3 min	12 - 24 V	90°	51,2	323-805-001-004N	RE 71086
120°	3/8 -18 NPTF	3 min	12 - 24 V	90°	51,2	323-805-001-005N	RE 71088
120°	5/8 -18 UNF - 2A	3 min	12 - 24 V	90°	51,2	323-805-001-002A	RE 71089



# 10 NAVIGATION LIGHTS AND SEARCHLIGHTS



MARCO

aber  
MARINE

aqua  
signal

JABSCO

KELL



- Navigation lights
- Led navigation lights
- Flashing lights
- Remote controlled searchlights
- Radio controlled searchlights
- Spotlights
- Deck floodlights

# 10

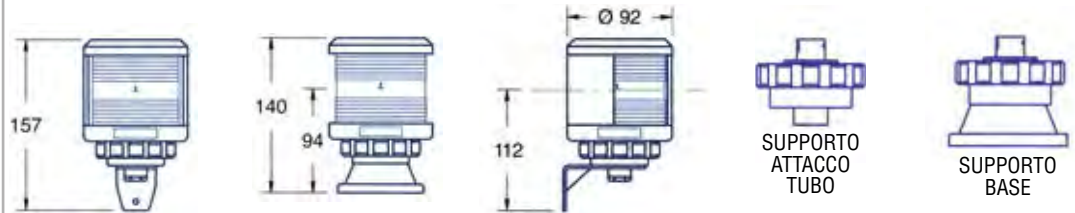
## REBAMARINE

NAUTICAL EQUIPMENT



## NAVIGATION LIGHT SERIES 35

RINA approval for small or seagoing vessels with a length less than 20 meters.  
Conform to the standard COLREG 72. Base, bracket or pipe mounting.  
Degree of protection: IP 56. Matt black polycarbonate, reinforced with fibreglass  
Fresnel polycarbonate lent, shock resistant  
Practical lampholder in the lower part.



Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Type lampholder	Code
Red	Bracket	112,5°	Black	92 x 92 x 157 mm	2 N.M	< 20	BAY 15d	RE 59000
Green	Bracket	112,5°	Black	92 x 92 x 157 mm	2 N.M	< 20	BAY 15d	RE 59001
White	Bracket	225°	Black	92 x 92 x 157 mm	3 N.M	< 20	BAY 15d	RE 59002
White	Bracket	135°	Black	92 x 92 x 157 mm	2 N.M	< 20	BAY 15d	RE 59003
White 360°	Base	360°	Black	92 x 92 x 140 mm	2 N.M	< 20	BAY 15d	RE 59004
Red 360°	Base	360°	Black	92 x 92 x 140 mm	2 N.M	< 20	BAY 15d	RE 59005
Green 360°	Base	360°	Black	92 x 92 x 140 mm	2 N.M	< 20	BAY 15d	RE 59006
Yellow 360°	Base	360°	Black	92 x 92 x 140 mm	2 N.M	< 20	BAY 15d	RE 59007

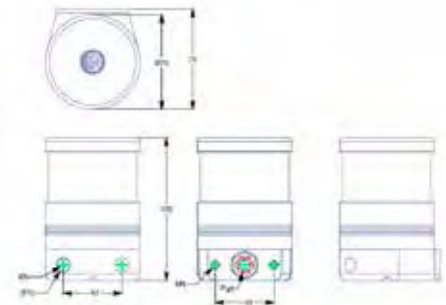
BASE PART, 1/2" PIPE CONNECTION  
BASE PART, PEDESTAL

RE 59018  
RE 59019



## NAVIGATION LIGHT SERIES 40 LED

MED and USGS approved for boats up to 20 meters.  
UV resistant borosilicate lens.  
Made of reinforced anodized aluminum.  
Protection degree IP 66.  
24Vdc power supply (-20% +30%).  
Temperature range -25° C +55° C.

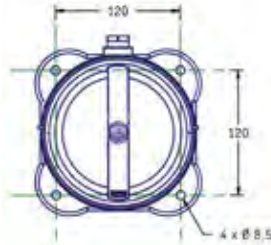


Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Consumption	Code
Red	Side	112,5°	Black	74 x 70 x 105	2 N.M	< 20	3 W	RE 59020
Green	Side	112,5°	Black	74 x 70 x 105	2 N.M	< 20	3 W	RE 59021
White	Side	225°	Black	74 x 70 x 105	3 N.M	< 20	3 W	RE 59022
White	Side	135°	Black	74 x 70 x 105	2 N.M	< 20	3 W	RE 59023
White 360°	Whit base	360°	Black	83 x 83 x 104	2 N.M	< 20	3 W	RE 59024
Red 360°	With base	360°	Black	83 x 83 x 104	2 N.M	< 20	3 W	RE 59025
Green 360°	With base	360°	Black	83 x 83 x 104	2 N.M	< 20	3 W	RE 59026
Yellow 360°	With base	360°	Black	83 x 83 x 104	2 N.M	< 20	3 W	RE 59027



### NAVIGATION LIGHT

RINA approval for small or seagoing vessels with a length less than 50 meters.  
Conform to the standard COLREG 72. Base, bracket or hoisting mounting.  
Degree of protection: IP 56. Matt black polycarbonate, reinforced with fibreglass.  
Fresnel polycarbonate lent, shock resistant.  
Available with Bulb Bay15D 230V 53W

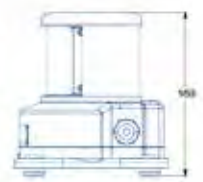
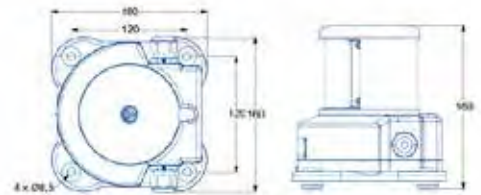


Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Type lampholder	Code
Red	Bracket	112,5°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59008
Green	Bracket	112,5°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59009
Red	Whit base	112,5°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59010
Green	Whit base	112,5°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59011
White	Whit base	225°	Black	160 x 175 x 222 mm	5 N.M	< 50	BAY 15d	RE 59012
White	Whit base	135°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59013
White 360°	Whit base	360°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59014
Red 360°	Whit base	360°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59015
Green 360°	Whit base	360°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59016
Yellow 360°	Whit base	360°	Black	160 x 175 x 222 mm	2 N.M	< 50	BAY 15d	RE 59017



### NAVIGATION LIGHT SERIES 60 LED

MED and USGS approved for boats up to 20 meters.  
UV resistant borosilicate lens.  
Made of reinforced anodized aluminum.  
Protection degree IP 66.  
24Vdc power supply (-20% +30%).  
Temperature range -25°C +55°C.



Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Consumption	Code
Red	Whit base	112,5°	Black	160 x 160 x 169	2 N.M	< 50	4,5 W	RE 59028
Green	Whit base	112,5°	Black	160 x 160 x 169	2 N.M	< 50	4 W	RE 59029
White	Whit base	225°	Black	160 x 160 x 169	3 N.M	< 50	12 W	RE 59030
White	Whit base	135°	Black	160 x 160 x 169	2 N.M	< 50	4 W	RE 59031
White 360°	Whit base	360°	Black	160 x 160 x 169	2 N.M	< 50	4 W	RE 59032
Red 360°	Whit base	360°	Black	160 x 160 x 169	2 N.M	< 50	4,5 W	RE 59033
Green 360°	Whit base	360°	Black	160 x 160 x 169	2 N.M	< 50	4 W	RE 59034
Yellow 360°	Whit base	360°	Black	160 x 160 x 169	2 N.M	< 50	4 W	RE 59035



### NAVIGATION LIGHT SERIES 70

RINA approval for vessels with a length of 20 meter or more  
RINA approval for seagoing vessels with a length of 20 meters or more  
Conform to the standard COLREG 72.

Base mounting.

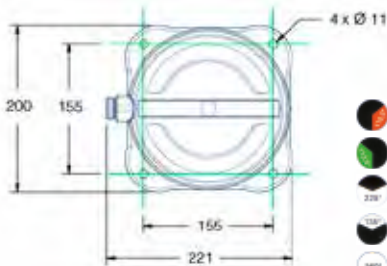
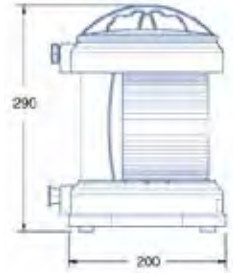
Matt black polycarbonate, reinforced with fibreglass

Fresnel polycarbonate lent, shock resistant

Protection class: IP 56

Wiring: cable gang Pg13 and 1,5 meter neoprene cable H07

Bulb P28s 230V 65W or 24V 40W.



Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Type lampholder	Code
Red	With base	112,5°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59187
Green	With base	112,5°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59188
White	With base	225°	Black	200 x 200 x 290 mm	6 N.M	> 20	P 28 s	RE 59189
White	With base	135°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59190
White 360°	With base	360°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59191
Red 360°	With base	360°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59192
Green 360°	With base	360°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59193
Yellow 360°	With base	360°	Black	200 x 200 x 290 mm	3 N.M	> 20	P 28 s	RE 59194



### NAVIGATION LIGHT SERIES 70 DUPLEX

Duplex searchlights for main and reserve applications

RINA approval for vessels with a length of 20 meters or more

RINA approval for seagoing vessels with a length of 20 meters or more

Conform to the standard COLREG 72.

Base mounting.

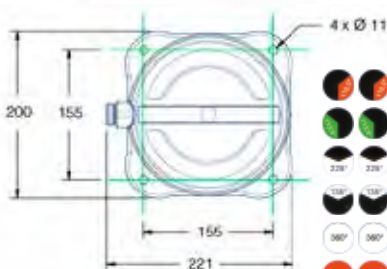
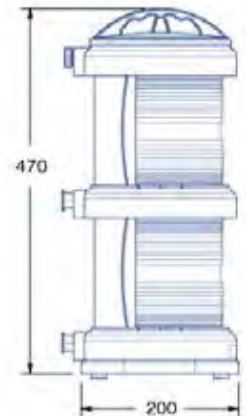
Matt black polycarbonate, reinforced with fibreglass

Fresnel polycarbonate lent, shock resistant

Protection class: IP 56

Wiring: cable gang Pg13 and 1,5 meter neoprene cable H07

Bulb P28s 230V 65W or 24V 40W.

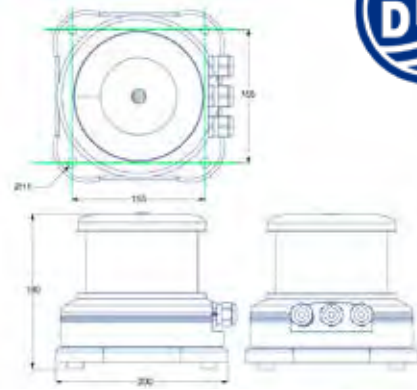


Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Type lampholder	Code
Red	With base	112,5°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59195
Green	With base	112,5°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59196
White	With base	225°	Black	200 x 200 x 470 mm	6 N.M	> 20	P 28 s	RE 59197
White	With base	135°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59198
White 360°	With base	360°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59199
Red 360°	With base	360°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59172
Green 360°	With base	360°	Black	200 x 200 x 470 mm	3 N.M	> 20	P 28 s	RE 59173



### NAVIGATION LIGHTS SERIES 80 LED

MED and USGS approved for boats up to 50 meters.  
UV resistant borosilicate lens.  
Made of reinforced anodized aluminum.  
Protection degree IP 66.  
24Vdc power supply (-20% +30%).  
Temperature range -25°C +55°C.

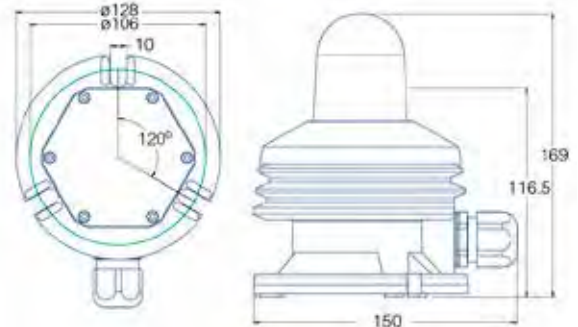


Lens Color	Mounting	Grades	Base	Dimensions mm	Minimum visibility	Lenght Vessel (mt)	Consumption	Code
Red	With base	112,5°	Black	200 x 200 x 180	3 N.M	> 20	6 W	RE 59180
Green	With base	112,5°	Black	200 x 200 x 180	3 N.M	> 20	6 W	RE 59181
White	With base	225°	Black	200 x 200 x 180	6 N.M	> 20	18 W	RE 59182
White	With base	135°	Black	200 x 200 x 180	3 N.M	> 20	5,5 W	RE 59183
White 360°	With base	360°	Black	200 x 200 x 180	3 N.M	> 20	5,5 W	RE 59184
Red 360°	With base	360°	Black	200 x 200 x 180	3 N.M	> 20	6 W	RE 59185
Green 360°	With base	360°	Black	200 x 200 x 180	3 N.M	> 20	6 W	RE 59186

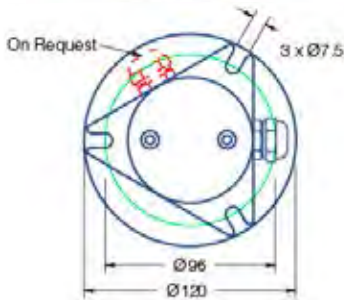


### NAVIGATION LIGHTS SERIES 73 LED

Double functionality: it can be used both as a light and as a strobe light.  
Possibility to choose 4 flash ranges: 30-60-120-180 per minute.  
UV resistant borosilicate lens.  
Made of reinforced anodized aluminum.  
Protection degree IP 67.  
Temperature range -25°C +55°C.  
Applications: ships over 200mt, submarines, hovercraft, fishing boats  
Fire fighting ships, carrying ships dangerous goods.

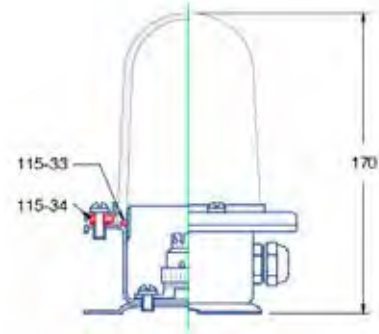


Lens Color	Supply voltage	Base	Dimensions	Consumption	Mt	Lamp	Code
White 360°	90 - 265 Vdc	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59244
Red 360°	90 - 265 Vdc	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59245
Green 360°	90 - 265 Vdc	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59246
Yellow 360°	90 - 265 Vdc	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59247
Blue 360°	90 - 265 Vdc	INOX	Ø 128 x 169 mm	2 W	> 20	LED	RE 59248
White 360°	24 V	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59254
Red 360°	24 V	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59255
Green 360°	24 V	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59256
Yellow 360°	24 V	INOX	Ø 128 x 169 mm	3 W	> 20	LED	RE 59257
Blue 360°	24 V	INOX	Ø 128 x 169 mm	2 W	> 20	LED	RE 59258

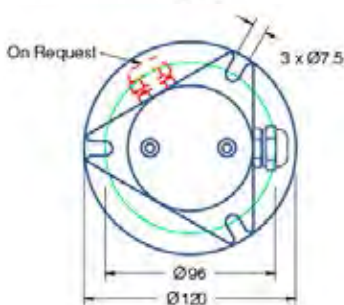


### NAVIGATION LIGHTS

Applications:  
 For vessels transiting the Suez canal  
 For general lighting  
 Manufactured in stainless steel 316  
 Well glass, borosilicate,  
 Protection class: IP 66  
 Without protective cage  
 Lampholder B22 (E27 on request)  
 Cable gland Pg13 on the side  
 Stainless steel triangular base with 3 fixing holes

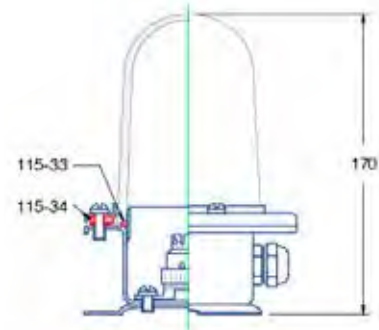


Lens Color	Voltage Supply	PN	Base	Dimensions mm	Lens	Lenght Vessel (mt)	Type lampholder	Code
White 360°	230 - 24 V	00	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59259
Red 360°	230 - 24 V	01	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59260
Green 360°	230 - 24 V	02	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59261
Yellow 360°	230 - 24 V	03	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59262
Blue 360°	230 - 24 V	04	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59263



### NAVIGATION LIGHTS WITH PROTECTIVE CAGE

Applications:  
 For vessels transiting the Suez canal  
 For General lighting  
 Manufactured in stainless steel 316  
 Well glass, borosilicate,  
 Protection class: IP 66  
 Lampholder B22 (E27 on request)  
 Cable gland Pg13 on the side  
 Stainless steel Triangular base with 3 fixing holes



Lens Color	Voltage Supply	PN	Base	Dimensions mm	Lens	Lenght Vessel (mt)	Type lampholder	Code
White 360°	230 - 24 V	50	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59264
Red 360°	230 - 24 V	51	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59265
Green 360°	230 - 24 V	52	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59266
Yellow 360°	230 - 24 V	53	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59267
Blue 360°	230 - 24 V	54	Steel	Ø 120 x 170 mm	Glass	> 20	B 22	RE 59268

# LED NAVIGATION LIGHTS



## NAVIGATION LIGHTS - NAVILED COMPACT

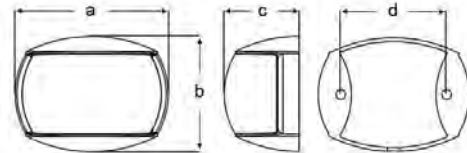
LED navigation lamps for enhanced safety

IP 67 - Completely Sealed

UV resistant, enhanced impact resistant acrylic lens High impact shroud

Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ



**Dimensions**  
 a = 71mm / 2.80"  
 b = 53mm / 2.09"  
 c = 33mm / 1.30"  
 d = 50 mm / 1.97"

Lamp type	Outer lens Color	Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Dimensions mm	Code
Starboard	Clear	Green	112,5	Black	8-28	<2	2	71 x 53 x 33	RE 59309
Port	Clear	Red	112,5	Black	8-28	<2	2	71 x 53 x 33	RE 59310
Stern	Clear	White	135	Black	8-28	<2	2	71 x 53 x 33	RE 59311
Starboard	Clear	Green	112,5	White	8-28	<2	2	71 x 53 x 33	RE 59304
Port	Clear	Red	112,5	White	8-28	<2	2	71 x 53 x 33	RE 59305
Stern	Clear	White	135	White	8-28	<2	2	71 x 53 x 33	RE 59306



## NAVIGATION LIGHTS - NAVILED DECK MOUNT

LED navigation lamps for enhanced safety

IP 67 - Completely Sealed

UV resistant, enhanced impact resistant acrylic lens High impact shroud

Pre-wired with marine cable

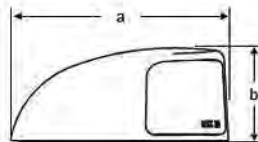
Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ

**Dimensions:**

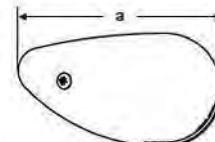
a = 90.0mm / 3.54"

b = 38.5mm / 1.52"

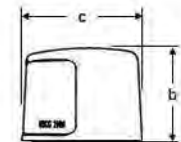
c = 50.0mm / 1.97"



Starboard from starboard side



Starboard from top



Starboard from bow

Lamp type	Outer lens Color	Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Dimensions mm	Code
Starboard	Green	Clear	112,5	Black	8-28	<2	2	90x38,5x50	RE 59300
Port	Red	Clear	112,5	Black	8-28	<2	2	90x38,5x50	RE 59301
Starboard	Green	Clear	112,5	White	8-28	<2	2	90x38,5x50	RE 59302
Port	Red	Clear	112,5	White	8-28	<2	2	90x38,5x50	RE 59303

# LED NAVIGATION LIGHTS



## NAVIGATION LIGHTS - NAVILED PRO

IP 67 - Completely Sealed

UV resistant, enhanced impact resistant acrylic lens High impact shroud

Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ



Light type	Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Dimensions mm	Code
Port	Green	112,5	Black	9 - 33	< 3,2	2	87 x 90 x 57	RE 59380
Starboard	Red	112,5	Black	9 - 33	< 3,2	2	87 x 90 x 57	RE 59381
Stern	White	135	Black	9 - 33	< 3,2	2	87 x 90 x 57	RE 59382
Masterhead	White	225	Black	9 - 33	< 3,2	3	87 x 90 x 57	RE 59313
Port	Green	112,5	White	9 - 33	< 3,2	2	87 x 90 x 57	RE 59384
Starboard	Red	112,5	White	9 - 33	< 3,2	2	87 x 90 x 57	RE 59385
Stern	White	135	White	9 - 33	< 3,2	2	87 x 90 x 57	RE 59386
Masterhead	White	225	White	9 - 33	< 3,2	3	87 x 90 x 57	RE 59307

## TRICOLOR NAVIGATION LIGHTS NAVILED TRIO

IP 67 - Completely Sealed

UV resistant, ultra heavy duty Grilamid lens

Pre-wired with marine cable



Light type	Light Color	Color	Operating voltage V	Consumption W	Visible Distance NM	Dimensions mm	Code
Navigation	Green - Red - White	Black	9 - 33	3,5 max	2	85 x 95	RE 59319



# LED NAVIGATION LIGHTS



## NAVIGATION LIGHTS - NAVILED 360

IP 67 - Completely Sealed

Highly visible all round lighting

UV resistant, enhanced impact resistant acrylic lens High impact shroud

Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ

Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Dimensions mm	Code
White	360	Black	9-33	<1,5	2	Ø 90 x 83	RE 59420
Red	360	Black	9-33	<1,5	2	Ø 90 x 83	RE 59421
Green	360	Black	9-33	<1,5	2	Ø 90 x 83	RE 59422
White	360	White	9-33	<1,5	2	Ø 90 x 83	RE 59423
Red	360	White	9-33	<1,5	2	Ø 90 x 83	RE 59424
Green	360	White	9-33	<1,5	2	Ø 90 x 83	RE 59425



## NAVIGATION LIGHTS - NAVILED 360

IP 67 - Completely Sealed - Highly visible all round lighting

UV resistant, enhanced impact resistant acrylic lens High impact shroud

Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ

Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Length mm	Code
White	360	Black	9-33	<1,5	2	167	RE 59426
White	360	White	9-33	<1,5	2	167	RE 59427



## NAVIGATION LIGHTS - NAVILED 360

Fold down pole mount (+-90°) - Highly visible all round lighting

UV resistant, enhanced impact resistant acrylic lens High impact shroud - Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ

Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Length mm	Dimensions mm	Code
White	360	Black	9-33	<1,5	2	315	56 x 52	RE 59428
White	360	Black	9-33	<1,5	2	510	56 x 52	RE 59429
White	360	Black	9-33	<1,5	2	605	56 x 52	RE 59430
White	360	Black	9-33	<1,5	2	865	56 x 52	RE 59431
White	360	White	9-33	<1,5	2	315	56 x 52	RE 59432
White	360	White	9-33	<1,5	2	510	56 x 52	RE 59433
White	360	White	9-33	<1,5	2	605	56 x 52	RE 59434
White	360	White	9-33	<1,5	2	805	56 x 52	RE 59435



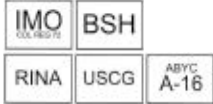
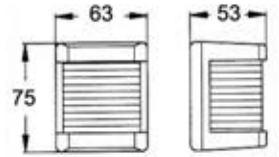
## NAVIGATION LIGHTS - NAVILED 360

Plug-in pole mount - Highly visible all round lighting

UV resistant, enhanced impact resistant acrylic lens High impact shroud - Pre-wired with marine cable

Approvals: IMO Col Reg 72, RINA, USCG, ABYC A-16, Maritime NZ

Light Color	Degrees	Color	Operating voltage V	Consumption W	Visible Distance NM	Overall length mm	Dimensions mm	Code
White	360	Black	9-33	<1,5	2	610	56 x 52	RE 59440
White	360	Black	9-33	<1,5	2	1080	56 x 52	RE 59441
White	360	White	9-33	<1,5	2	610	56 x 52	RE 59442
White	360	White	9-33	<1,5	2	1080	56 x 52	RE 59443



### NAVIGATION LIGHT SERIES 3562

RINA approval for vessels less than 12 mt in length

Vertical surface mount

UV and impact resistant plastic housing and lens

Housing snaps to base without screw

#### BLACK SERIES.

Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
Red	112,5°	Black	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58890
Green	112,5°	Black	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58891
Bicolor	112,5°+112,5°	Black	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58894
White	225°	Black	63 x 75 x 53 mm	2 nm	12	SV 8,5-8	RE 58892
White	135°	Black	63 x 75 x 53 mm	2 nm	12	SV 8,5-8	RE 58893

#### WHITE SERIES.

Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
Red	112,5°	White	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58895
Green	112,5°	White	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58896
Bicolor	112,5°+112,5°	White	63 x 75 x 53 mm	1 nm	12	SV 8,5-8	RE 58899
White	225°	White	63 x 75 x 53 mm	2 nm	12	SV 8,5-8	RE 58897
White	135°	White	63 x 75 x 53 mm	2 nm	12	SV 8,5-8	RE 58898

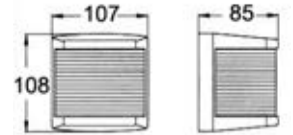
### NAVIGATION LIGHT SERIES 2984

RINA approval for vessels less than 20 mt in length

Vertical surface mount

UV and impact resistant plastic housing and lens

Housing snaps to base without screw



#### BLACK SERIES.

Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
Red	112,5°	Black	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59106
Green	112,5°	Black	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59107
Bicolor	112,5°+112,5°	Black	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59110
White	225°	Black	107 x 108 x 85 mm	3 nm	20	BAY15d	RE 59108
White	135°	Black	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59109

#### WHITE SERIES.

Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
Red	112,5°	White	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59101
Green	112,5°	White	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59102
Bicolor	112,5°+112,5°	White	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59105
White	225°	White	107 x 108 x 85 mm	3 nm	20	BAY15d	RE 59103
White	135°	White	107 x 108 x 85 mm	2 nm	20	BAY15d	RE 59104



### TRICOLOR LAMPS

RINA approval for vessels less than 20 mt in length  
Horizontal surface mount  
UV and impact resistant plastic housing and lens  
Lamp housing features a bayonet lock for easy bulb change



Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
TRIC + 360°	112,5°/ 135°/ 360°	Black	88 x 200 mm	2 nm	20	BAY15d	RE 58801
TRICOLOR	112,5°/ 112,5°/ 135°	Black	88 x 200 mm	2 nm	20	BAY15d	RE 59175



### ALL ROUND LAMPS

RINA approval for vessels less than 20 mt in length  
Horizontal surface mount. UV and impact resistant plastic housing and lens  
Lamp housing features a bayonet lock for easy bulb change



Lens Colors	Grades	Base	Dimensions mm	Visibility	Ship size	Bulb	Code
White 360°	360°	Black	88 x 107 mm	2 nm	20	BAY15d	RE 59141
White 360°	360°	White	88 x 107 mm	2 nm	20	BAY15d	RE 59142
Green 360°	360°	Black	88 x 107 mm	2 nm	20	BAY15d	RE 59137
Red 360°	360°	Black	88 x 107 mm	2 nm	20	BAY15d	RE 59138



### NAVIGATION LIGHTS 360°

Highly visible all round lighting - UV resistant, enhanced impact resistant acrylic lens High impact shroud  
Pre-wired with marine cable - Protection IP 54  
Horizontal surface mount - Includes stainless steel screws

Light Color	Bulb	Degrees	Color	Operating voltage	Consumption	Visibility	Dimensions	Code
White	BA15s	360	Black	12 V	10 W	2 nm	ø 60 x 68 mm	RE 59143
White	BA15s	360	White	12 V	10 W	2 nm	ø 60 x 68 mm	RE 59144



### NAVIGATION LIGHTS 360°

Highly visible all round lighting - UV resistant, enhanced impact resistant acrylic lens High impact shroud  
Pre-wired with marine cable - Protection IP X6  
Fixed mount - Dimensions: base 34 x 75 mm - light Ø34 x 64 mm

Light Color	Bulb	Degrees	Color	Operating voltage	Consumption	Visibility	Pole length	Code
White	SV 8.5	360	Black	12 V	10 W	2 nm	102 mm	RE 59113
White	SV 8.5	360	Black	12 V	10 W	2 nm	204 mm	RE 59114
White	SV 8.5	360	White	12 V	10 W	2 nm	102 mm	RE 59115
White	SV 8.5	360	White	12 V	10 W	2 nm	204 mm	RE 59116



### NAVIGATION LIGHTS 360°

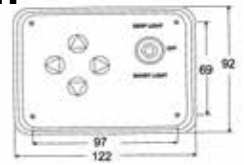
Highly visible all round lighting - UV resistant, enhanced impact resistant acrylic lens High impact shroud  
Pre-wired with marine cable - Protection IP X6  
Fold down pole mount (+- 90°) - Dimensions: base 34 x 75 mm - light Ø34 x 64 mm

Light Color	Bulb	Degrees	Color	Operating voltage	Consumption	Visibility	Pole length	Code
White	SV 8.5	360	Black	12 V	10 W	2 nm	305 mm	RE 59148
White	SV 8.5	360	Black	12 V	10 W	2 nm	508 mm	RE 59149
White	SV 8.5	360	Black	12 V	10 W	2 nm	610 mm	RE 59150
White	SV 8.5	360	White	12 V	10 W	2 nm	305 mm	RE 59151
White	SV 8.5	360	White	12 V	10 W	2 nm	508 mm	RE 59152
White	SV 8.5	360	White	12 V	10 W	2 nm	610 mm	RE 59153



### DOUBLE BEAM REMOTE CONTROL SEARCHLIGHT

Two sealed beam with double filament on each light allow  
 To enjoy always of a very luminous ray  
 Complete with remote control and cable  
 UV resistant and seawater body and base  
 Compact and powerful at the same time  
 360° horizontal rotation, 70° vertical sweep



Voltage supply	Power	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel mm	Weight	Code
12 V	55 W x 2	135	220 x 257 x 210	Ø 120	122 x 92 x 40	4 Kg	RE 59208

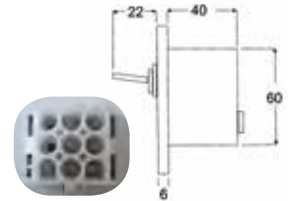
Replacement sealed beam 12V 55W

RE 00105



### REMOTE CONTROL SEARCHLIGHT

Complete with remote control and cable  
 UV resistant and seawater body and base  
 Compact and powerful at the same time (800 m)  
 360° horizontal rotation, 70° vertical sweep  
 The vertical rotation is owing to the bulb rotation only



Voltage supply	Power	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel mm	Weight	Code
12 V	55 W	130	165 x 220 x 230	Ø 120	122 x 92 x 40	2,5 Kg	RE 58806
24 V	55 W	130	165 x 220 x 230	Ø 120	122 x 92 x 40	2,5 Kg	RE 58807

Replacement sealed beam 12V  
 Replacement sealed beam 24V

RE 00102  
 RE 00103



### ROUND REMOTE CONTROL SEARCHLIGHT

One control panel and cables included  
 In robust white ABS  
 Both compact and powerful (1000 mt)  
 Horizontal movement 360° and vertical at 70°  
 The vertical movement is created by the bulb rotation

Voltage supply	Power	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel mm	Weight	Code
12 V	55 W	170	320 x 260 x 350	Ø 120	122 x 92 x 40	4 Kg	RE 58839
24 V	55 W	170	320 x 260 x 350	Ø 120	122 x 92 x 40	4 Kg	RE 58840

Replacement sealed beam 12V 55W  
 Replacement sealed beam 24V 55W

RE 00109  
 RE 00110



### REMOTE CONTROLLED SWIVEL LIGHT BEAM

Fibreglass reinforced nylon base and Ø 24 mm mounting bush  
 Support foot in stainless steel  
 High mechanical and temperature resistant polycarbonate light cover.  
 Electrical pin and socket internal connection  
 360° horizontal movement and 260° vertical movement  
 Automatic resetting  
 Rate IP 55



Voltage	Power	Absorption	Dimensions	Control	Light Range	Bulb	Code
12 V	100 W	7,5 A	135 x 250 mm	Remote	350 m	H 1	RE 59202
24 V	100 W	3,8 A	135 x 250 mm	Remote	350 m	H 1	RE 59203



### FLUSH MOUNT FLOODLIGHT

Rectangular searchlight with white flange for the installation  
Easily adjustable light angle  
Available with 2 bulb types: flood or trapezoidal



Type bulb	Voltage Supply	Wattage	Dimensions External	Dimension mounting	Weight	Lamps	Code
Flood	12 V	50 W	225 x 167 x 81 mm	178 x 119 mm	1,1 Kg	-	RE 58803
Trapezoidal	12 V	50 W	225 x 167 x 81 mm	178 x 119 mm	1,1 Kg	-	RE 58809

Spare lamps 12V 50W

RE 58803/B



### ROKLUME 280 LED FLOODLIGHTS

The new ROKLUME 280 LED work lamps offer extreme durability and high performance. Lamp completely sealed against the ingress of dust and water. Nanosafe coating resistant to shocks, vibrations, UV rays and corrosion. Vibration resistant steel bracket. Multivolt power supply that guarantees protection against polarity inversion and overvoltages.



Light type	Voltage	Power	Color	External mesure	Weight	Color intensity	Code
Close long range	12-24 V	56W	Black	143 x 133 x 85 mm	1,07 Kg	5000 K	RE 58837



### ROKLUME 380 LED FLOODLIGHTS

The new ROKLUME 380 LED work lamps offer extreme durability and high performance. Lamp completely sealed against the ingress of dust and water. Nanosafe coating resistant to shocks, vibrations, UV rays and corrosion. Vibration resistant steel bracket. Multivolt power supply that guarantees protection against polarity inversion and overvoltages.



Light type	Voltage	Power	Color	External mesure	Weight	Color intensity	Code
Close long range	24 V	84W	Black	148 x 148 x 179 mm	2,01 Kg	5000 K	RE 58838



### HALOGEN 8518 SERIES FLOODLIGHTS

Sealed between frame and attachment surface - Cable entrance through rubber grommet  
Large 135 x 75mm light aperture - Protection IP X4. UV and impact resistant plastic housing  
Recess mount - Front inclination of 5 degrees



Oper. voltage V	Consumption W	Absorption A	Dimensions mm	Bulb	Code
12	55	4,5	155 x 94 x 45	H 3	RE 58841
24	70	2,9	155 x 94 x 45	H 3	RE 58842



### HALOGEN 8541 SERIES FLOODLIGHT

Twin Hella 'Free Form' reflector technology  
Triple the light output compared to conventional lamps of the same size  
Large 145 x 83mm light aperture - Extended front edge for lens protection  
UV and impact resistant plastic housing - Upright mounting  
Pre-wired with cable - Protection IP 54



Oper. voltage V	Consumption W	Absorption A	Dimensions mm	Bulb	Code
2 x 12	55	4,5	158 x 120 x 106	H 3	RE 58843
2 x 24	70	2,9	158 x 120 x 106	H 3	RE 58844



### HALOGEN OVAL 100 DECK FLOODLIGHT

Extended front edge for lens protection  
Glass lens bonded with reflector to be dust and moisture resistant  
Sealed cable entry via threaded gland with nut - Suitable for applications subject to heavy vibration  
Upright or pendant mounting can be rotated through 180°  
UV and impact resistant plastic housing - Protection IP 6K 9K

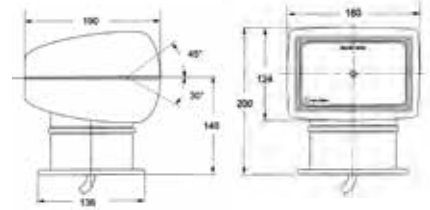


Oper. voltage V	Consumption W	Absorption A	Dimensions mm	Bulb	Code
12	55	4,5	160 X 129 X 96	H 3	RE 58845
24	70	2,9	160 X 129 X 96	H 3	RE 58846



### REMOTE CONTROL SEARCHLIGHT

Developed with the 7-15 m powerboat in mind  
 Supplied complete with joystick remote control  
 Complete with 4,5 m cable  
 320° horizontal rotation, 75° vertical sweep  
 All material are non-corrosive  
 Absorption: 12V 3,2A;  
 Absorption: 24V 2A



Model	Voltage supply V	Power W	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel (mm)	Weight Kg	Code
135 SL	12	50	150 x 90	180 x 190 x 200	Ø 136	101,6x63,5x44,5	2,7	RE 58874
135 SL	24	50	150 x 90	180 x 190 x 200	Ø 136	101,6x63,5x44,5	2,7	RE 58999

Replacement sealed beam 12/24V

RE 58999/B



### REMOTE CONTROL SEARCHLIGHT

Complete with joystick remote control and 4,5 m cable  
 Sweeping curves complement the latest pleasurecraft profiles  
 320° horizontal rotation, 75° vertical sweep



Model	Voltage supply V	Power W	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel (mm)	Weight Kg	Code
155 SL	12	50	125	160 x 200 x 200	81 x 124	101,6x63,5x44,5	2,3	RE 58808

### WATERTIGHT REMOTE CONTROLLED SEARCHLIGHT

Completely wireless  
 Remote control: On-Off - Left/Right - Up/Down (slow and quick)  
 UV ray and saltwater resistant  
 Stainless steel mounting system  
 370° rotation x 135° tilt. 500.00 candle power  
 Exclusive Cr5 Pentabeam Technology  
 Rockguard cover



WHITE VERSION.

Searchlight Color	Supply voltage V	Bulb power W	Parabole dimensions mm	External dimensions mm	Base dimensions mm	Remote control dimensions mm	Spare bulb 12V	Code
White	12	65	135 x 82	180 x 190 x 175	152 x 152	50 x 106 x 20	Ph 9011	RE 59154
White	24	65	135 x 82	180 x 190 x 175	152 x 152	50 x 106 x 20	Ph 9011	RE 59155

Spare bulb for 12V and 24V searchlight

RE 00100



### DASH-MOUNT WIRELESS REMOTE

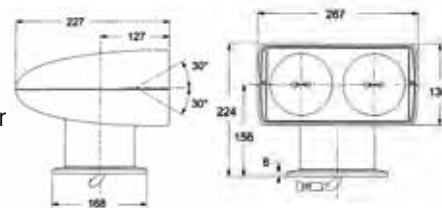
Can be installed on the bridge  
 ON-OFF functions - left/right - up/down

Battery Voltage	Case material	Case Color	Range meters	Remote dimensions	Code
2 x 12V	Plastic and rubber	Black	15 mt	60 x 111 x 22 mm	RE 59201



### REMOTE CONTROL SEARCHLIGHT

Dual beam  
 Supplied complete with joystick remote control  
 Complete with 8 mt cable  
 Easily replaced halogen sealed beam delivers 200000 candle power  
 Full 360° horizontal rotation, 60° vertical sweep  
 Optional secondary full control panel for dual helm station  
 Absorption: 12V - 8A; 24V - 4A



Model	Voltage supply V	Power W	Absorption A	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel (mm)	Weight Kg	Code
255 SL	12	100 x 2	8	125	267 x 224 x 227	Ø 168	95 x 79 x 89	5	RE 58875
255 SL	24	100 x 2	4	125	267 x 224 x 227	Ø 168	95 x 79 x 89	5	RE 58876

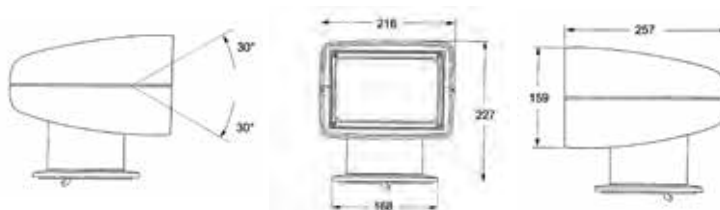
Replacement sealed beam 12/24V  
 Secondary control panel (with butt connectors) 12V  
 Secondary control panel (with butt connectors) 24V

RE 00104  
 RE 58875/P  
 RE 58876/P



### REMOTE CONTROL SEARCHLIGHT

A high performance searchlight for medium sized boat  
 Tough white Lexan housing and base  
 Supplied complete with joystick remote control  
 Complete with 4,5 mt cable  
 Easily replaced halogen sealed beam delivers 175000 candle power  
 Full 360° horizontal rotation, 60° vertical sweep  
 Absorption: 12V - 4A; 24V - 2A



Model	Voltage supply V	Power W	Absorption A	Dimensions beam mm	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel (mm)	Weight Kg	Code
146 SL	12	50	4	165 x 105	216 x 227 x 257	Ø 168	95 x 79 x 89	4,1	RE 58802
146 SL	24	50	2	165 x 105	216 x 227 x 257	Ø 168	95 x 79 x 89	4,1	RE 58998

Replacement sealed beam 12/24V  
 Secondary control panel (with butt connectors) 12/24V

RE 58802/B  
 RE 58998/P

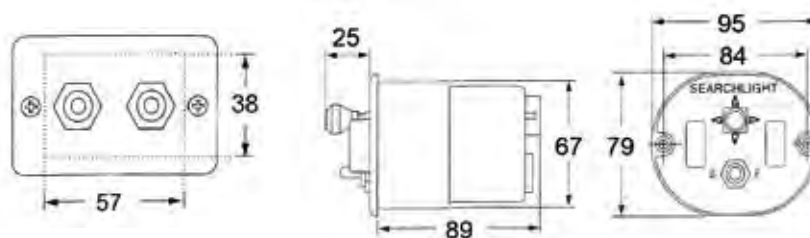


DIVERTER



### SECONDARY REMOTE CONTROL KITS

Allow searchlights to be operated from both upper and lower helm station  
 Kit includes station selector panel V splices and butt connectors  
 Searchlight protected from 2 fuses (3A-10A)

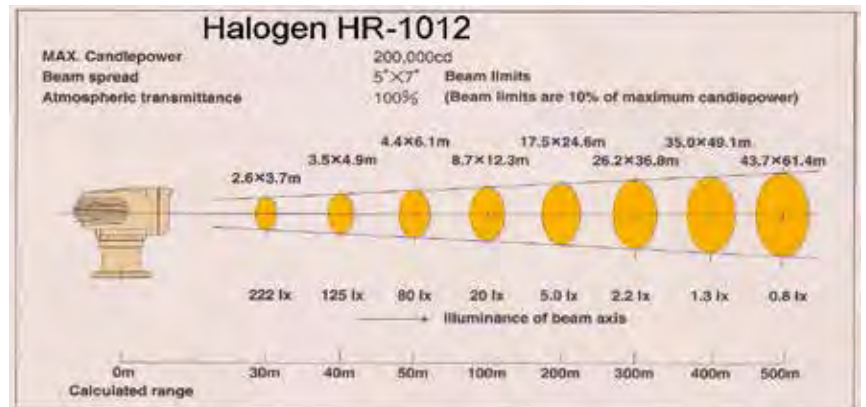
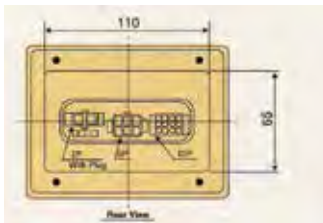
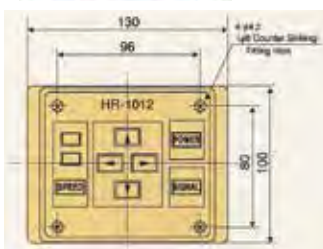
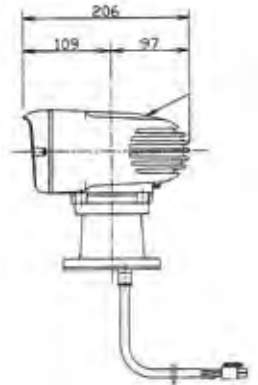
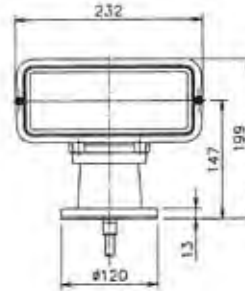
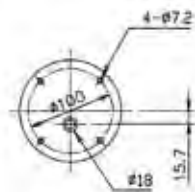


# HALOGEN SEARCHLIGHTS



## REMOTE CONTROL SEARCHLIGHTS

Heavily anodized aluminium coating housing  
 All materials are non corrosive  
 Supplied complete with joystick remote control  
 High power (200.000 candle). 360° Horizontal rotation  
 Vertical sweep: 9° up and 17° down  
 Corrosion resistant parabolic mirror with adjustable focus  
 Beam spread: Horizontal 7°, Vertical 5°  
 Degree of protection: IP 56



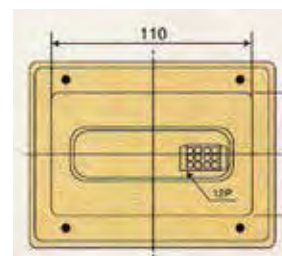
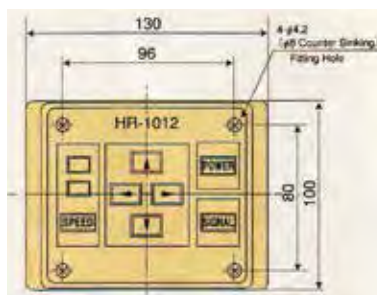
Voltage supply	Power W	Absorption A	Peak Candle power	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel	Weight	Code
12V	55x2	10	200.000	232x199x206	120	130x100mm	3,25 Kg	RE 59204
24V	55x2	5	160.000	232x199x206	120	130x100mm	3,25 Kg	RE 59205

White cover

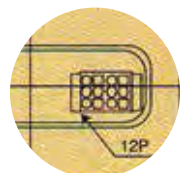
RE 59209



Second station



Rear view



Special connector

Secondary remote control 12V (included cable)  
 Secondary remote control 24V (included cable)

RE 59206  
 RE 59207



Replacement bulb 12V  
 Replacement bulb 24V

RE 00029  
 RE 00030

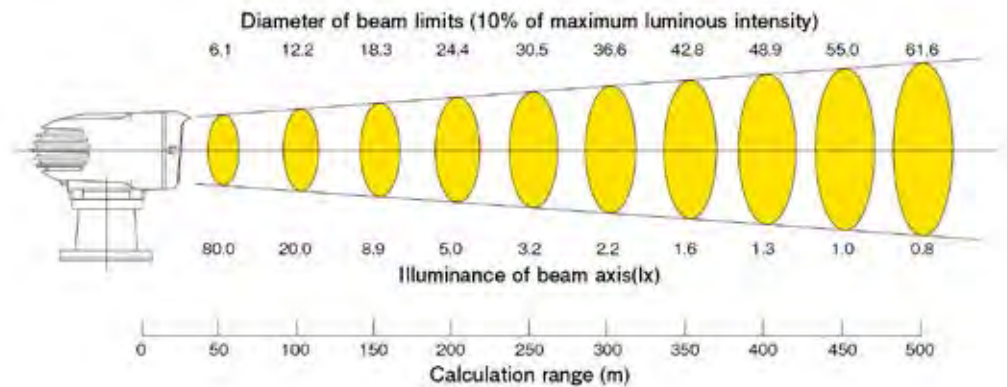
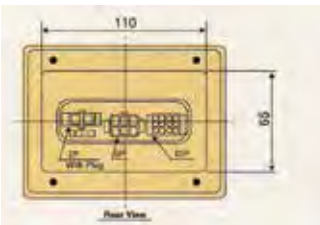
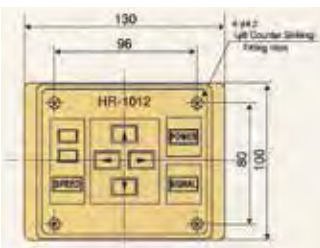
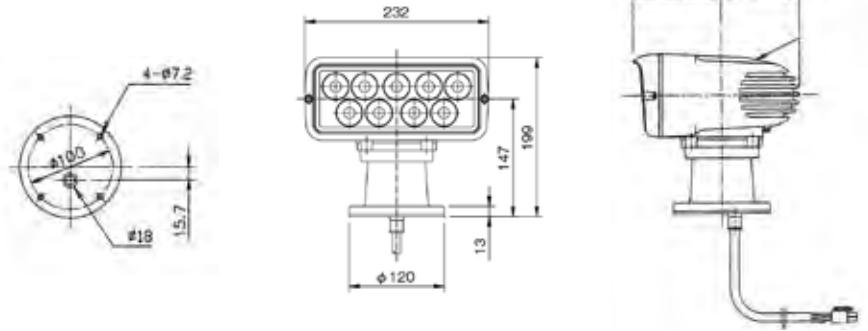


# LED SEARCHLIGHTS



## REMOTE CONTROL SEARCHLIGHTS

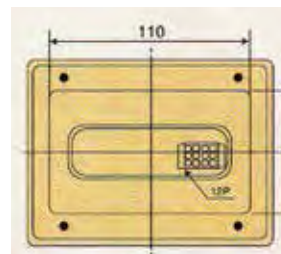
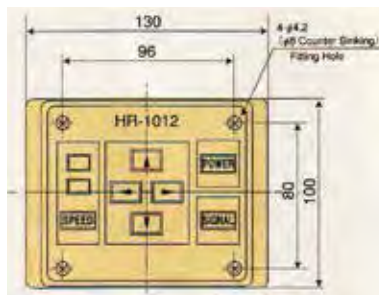
Heavily anodized aluminium coating housing  
 All materials are non corrosive  
 Supplied complete with joystick remote control  
 High power (200.000 candle). 360° Horizontal rotation  
 Vertical sweep: 9° up and 17° down  
 Corrosion resistant parabolic mirror with adjustable focus  
 Beam spread: Horizontal 7°, Vertical 5°  
 Degree of protection: IP 56



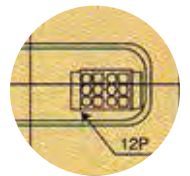
Voltage supply	Power W	Absorption A	Peak Candle power	Dimensions external mm	Dimensions Base	Dimensions Control Panel	Weight	Code
12 V	55 x 2	10	200.000	232x199x206	120 mm	130 x 100 mm	3,25 Kg	RE 59219



Second station



Rear view



Special connector

Secondary remote control 12V (included cable)  
 Secondary remote control 24V (included cable)

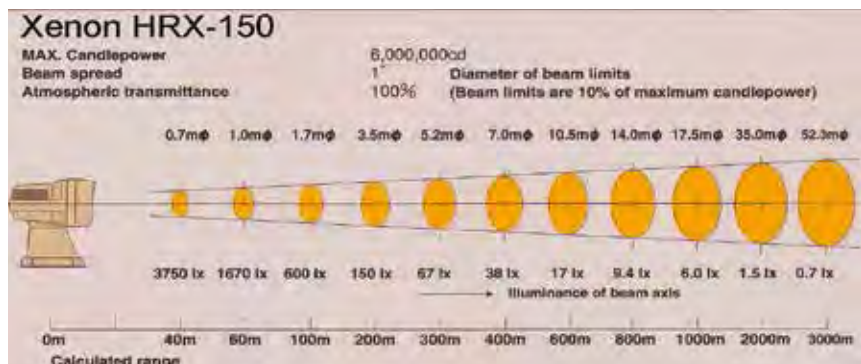
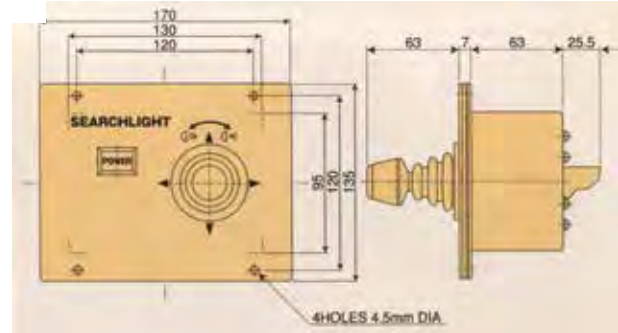
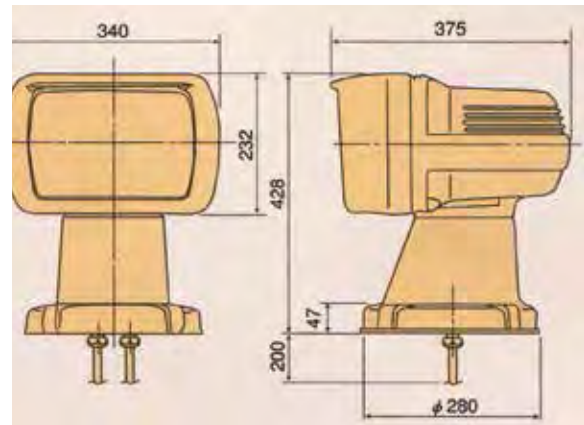
RE 59206  
 RE 59207

# XENON SEARCHLIGHTS



## XENON SEARCHLIGHTS

- Special Xenon beam (6.000.000 cp)
- Wide spread close range illumination (more than 6000 mt)
- Heavily anodized aluminium coating housing
- All materials are non corrosive
- Supplied complete with joystick remote control
- Degree of protection: IP 56
- 360° Horizontal rotation
- Vertical sweep: 15° up and 30° down
- Corrosion resistant parabolic mirror with adjustable focus
- Turning speed: 11°- 27°/sec
- Elevation speed: 7,5°/sec
- Auto return functions



Voltage supply V	Power xenon lamps	Absorption A	Dimensions Beam mm	Peak Candle power	Dimensions external mm	Dimensions Base mm	Dimensions Control Panel (mm)	Weight Kg	Code
24	150 Xenon	8,5	218x150	6.000.000	340x428x375	280	170x135x88,5	23	RE 59220

XENON SPARE BULB 150W

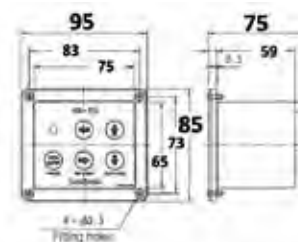
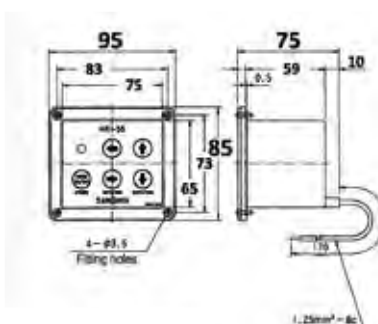
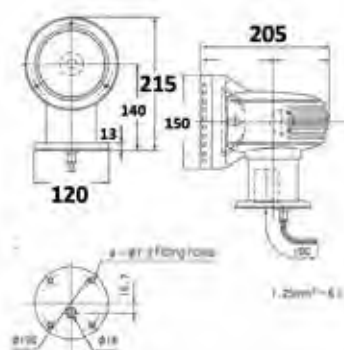
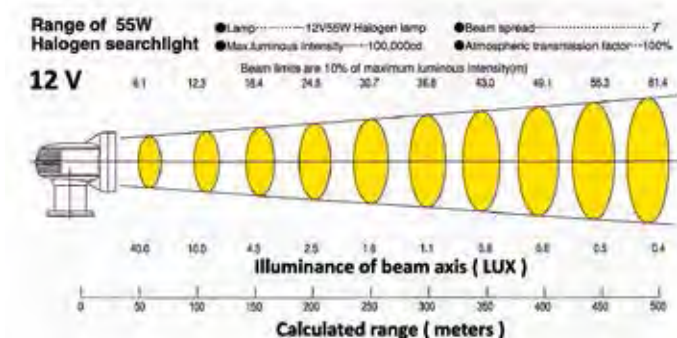
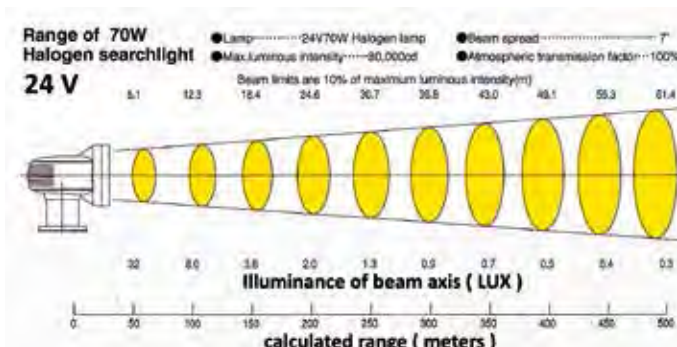
RE 00162

# HALOGEN SEARCHLIGHTS



## REMOTE CONTROL SEARCHLIGHTS

Heavily anodized aluminium coating housing  
 Heavy duty: all materials are non corrosive  
 High power (100.000 candle)  
 Supplied complete with joystick remote control  
 360° Horizontal rotation  
 Vertical sweep: 20° up and 20° down  
 Degree of protection: IP 56  
 Secondary control panel (optional).



Voltage supply	Power bulb W	Absorption A	Peak candle power	Dimensions external mm	Dimensions Base mm	Dimensions Control mm	Weight Kg	Code
12V	55	5	100000	150x205x215	∅ 120 mm	95x85x75	2,9 Kg	RE 59275
24V	70	3	80000	150x205x215	∅ 120 mm	95x85x75	2,9 Kg	RE 59276

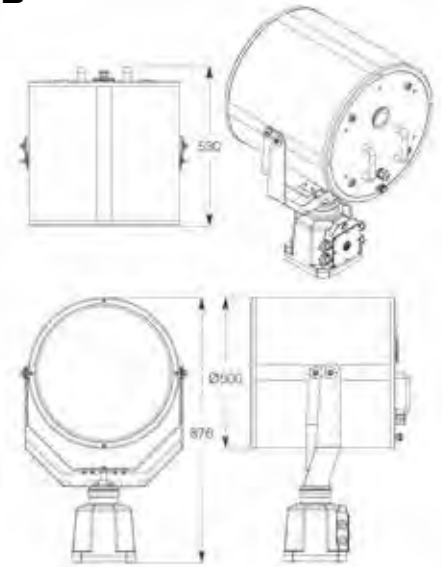
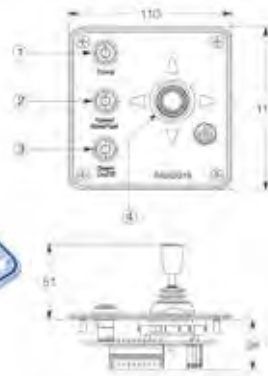
SECONDARY REMOTE CONTROL 12V (included cable) RE 59277  
 SECONDARY REMOTE CONTROL 24V (included cable) RE 59278  
 REPLACEMENT HALOGEN BULB 12V (55W) RE 00173  
 REPLACEMENT HALOGEN BULB 24V (70W) RE 00174

# PROFESSIONAL SEARCHLIGHTS



## SEARCHLIGHT REMOTE CONTROLLED 420 RCB

Waterproof deck search lights non-magnetic  
Wide spread close range illumination (1225 m)  
Generously sized optical unit (420 mm).  
Chromed seawater resistant aluminium housing  
Powder coated, white RAL 9016  
Degree of protection IP 66

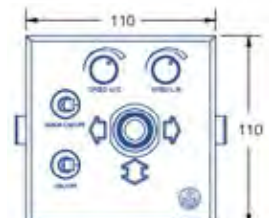
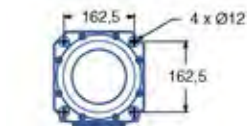
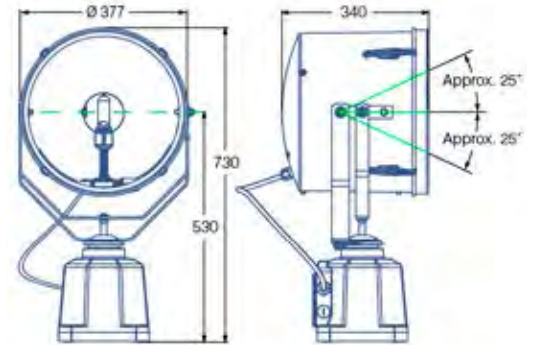
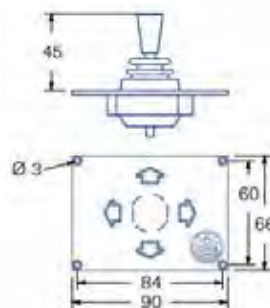


Voltage supply	Power W	Housing materials	Range at 1 lux	Light intensity cd	Angle vertical elevation	Angle Rotation Pan	Weight Kg	Code
230 V	2000	Aluminum	1225 mt	1.500.000	+20°up -30°down	340°	30	RE 59223



## SEARCHLIGHT REMOTE CONTROLLED 350 RCN

Wide spread close range illumination (1104 m)  
Parabolic mirror reflector 340mm, lead backed  
Lamp-holder: G 6,35  
Chromed seawater resistant aluminium housing  
Powder coated, white RAL9016  
Vertical adjustment +25°up, -25° down  
Degree of protection IP 56



Voltage supply	Power W	Housing materials	Range at 1 lux	Light intensity cd	Angle vertical elevation	Angle Rotation Pan	Weight Kg	Code
230 V	1000	Aluminium	1104 mt	1.220.000	+25°up -25°down	340°	16,6	RE 59224
24 V	250	Aluminium	904 mt	820.000	+25°up -25°down	340°	16,6	RE 59226

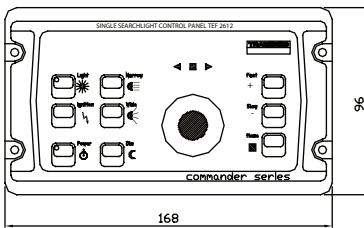


## XENON SEARCHLIGHT WITH REMOTE CONTROL TEF 2650

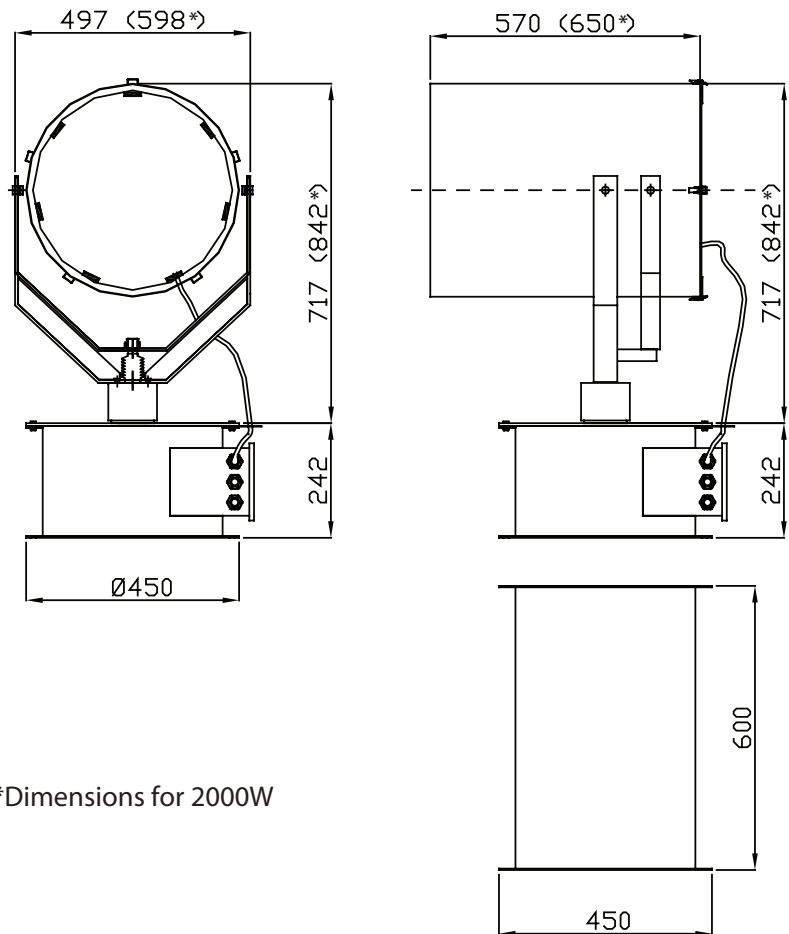
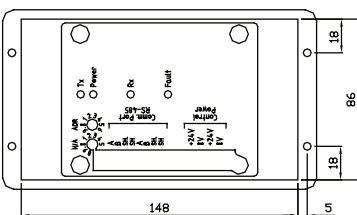
Indicated for marine industry, especially for detection of ice, with a range 4 times higher than of a halogen searchlight:  
 1000W type 40.000.000cd light intensity  
 1600W type 52.000.000cd light intensity  
 Silver plated glass mirror reflector  
 Seawater resistant aluminium housing  
 Powder coated white RAL 9016  
 Vertical adjustment +25° up, -30° down  
 Rotation L 170°, R 170°  
 600 mm column on request  
 Degree of protection IP 56



Front



Rear side connections



\*Dimensions for 2000W

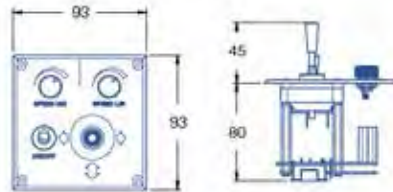
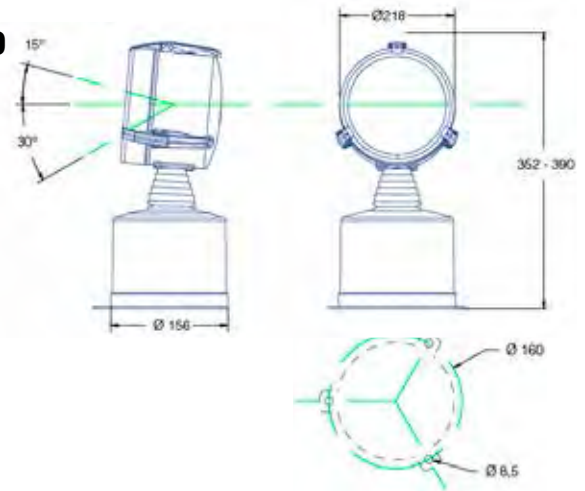
Voltage supply	Power W	Housing materials	Range at 1 lux	Light intensity cd	Angle vertical elevation	Angle Rotation Pan	Weight Kg	Code
230 V	1000	Aluminium	6700 mt	40.000.000	+25° up -30° down	L170° R170°	72,5	RE 59230
230 V	1600	Aluminium	7400 mt	52.000.000	+25° up -30° down	L170° R170°	72,5	RE 59231

# PROFESSIONAL SEARCHLIGHTS



## PROFESSIONAL SEARCH LIGHTS MOTORIZED IN ALUMINIUM DHR 210 UC

Waterproof deck search lights non-magnetic. Chromed seawater resistant aluminium housing UV-resistant powder coating, white RAL9016. Connection: neoprene cable from 1.5 mt. Cable gland supplied Pg 13. Degree of protection IP 65.



Voltage supply	Power W	Housing materials	Diameter parable mm	Projector measures mm	Range Max	Weight Kg	Code
24 V	250	Aluminium	218	215 x 340 x 156	700 mt	4,6	RE 58869
220 V	1000	Aluminium	218	215 x 340 x 156	630 mt	4,6	RE 59210

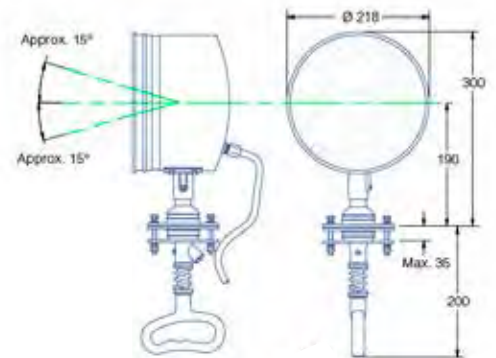
Halogen lamp 24V - 250W  
Halogen lamp 220V - 350W

RE 00163  
RE 00164



## PROFESSIONAL SEARCH LIGHTS DHR 210

Suitable for the marine industry Waterproof deck search lights non-magnetic Parabolic mirror reflector 200mm, lead backed Sealed beam lamp 28V 250W Chromed seawater resistant aluminium housing UV-resistant powder coating, white RAL9016 Connection: neoprene cable from 1.5 mt. Internal cable gland supplied Pg 9. Degree of protection IP 34



Voltage supply V	Power W	Housing materials	Dimensions Bean mm	Dimensions	Base fixing	Range Max mt	Weight Kg	Code
28 V	250	Aluminium	200	215 x 150 x 280**	With bracket	700	3,2	RE 59211

Sealed beam lamp 28V - 250W

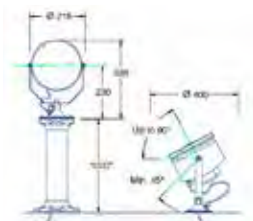
RE 00128

Stainless steel tubes 250mm (maximum height search lights 500mm)  
Stainless steel tubes 330mm (maximum height search lights 580mm)  
Stainless steel tubes 500mm (maximum height search lights 750mm)

RE 59212  
RE 59213  
RE 59214

## PROIETTORE PROFESSIONALE DHR 210

On deck searchlight, fully amagnetic and watertight In lacquered varnish and chromed brass Complete rotation on two axes IP 56



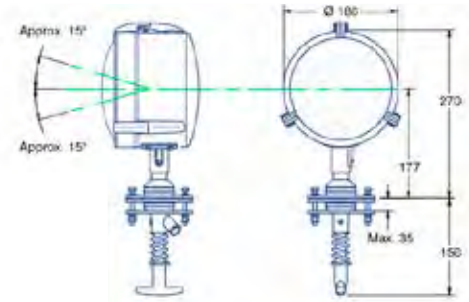
Voltage supply	Power W	Housing materials	Dimensions Bean mm	Dimensions	Base fixing	Range Max mt	Weight Kg	Code
28 V	250	Aluminium	200	218 x 339 x 150	With bracket	700	2,6	RE 58856

# PROFESSIONAL SEARCHLIGHTS



## PROFESSIONAL SEARCH LIGHTS DHR180 CB

Suitable for the marine industry and pleasure craft  
Brushed stainless steel 316 housing and solid brass chromium plated handle  
Deck operated  
Degree of protection: IP 56  
Sealed cable entry via PG9  
Can be rotated through 2 axes

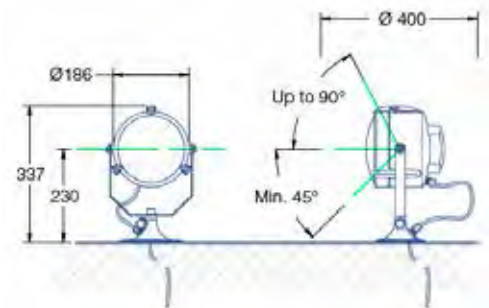


Voltage supply	Power W	Housing materials	Dimensions Beam mm	Dimensions	Base fixing	Range Max mt	Weight Kg	Code
10-32Vdc	20	Steel + ott.cr	156	185 x 270 x 190	3 x 7 mm	475 mt	3,2	RE 59217



## PROFESSIONAL SEARCH LIGHTS DHR180 DS

Suitable for the marine industry  
Stainless steel 316 housing  
Deck operated  
Degree of protection: IP 56  
Pre wired with 1,5m of cable and PG9 gland  
360° horizontal and vertical rotation  
Parabolic mirror reflector 180mm, lead backed

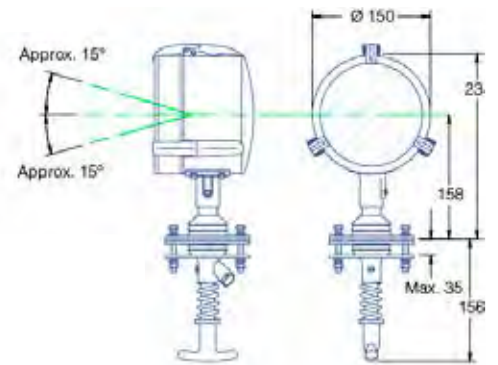


Voltage supply	Power W	Housing materials	Dimensions Beam mm	Dimensions	Base fixing	Range Max mt	Weight Kg	Code
10-32Vdc	20	Steel + ott.cr	186	185 x 340 x 190	3 x 6 mm	475 mt	2,3	RE 59215



## PROFESSIONAL SEARCH LIGHTS DHR150 CB

Suitable for the marine industry and pleasure craft  
Brushed stainless steel 316 housing and solid brass chromium plated handle  
Degree of protection: IP 56  
Sealed cable entry via PG9  
Can be rotated through 2 axes



Voltage supply	Power W	Housing materials	Dimensions Beam mm	Dimensions	Base fixing	Range Max mt	Weight Kg	Code
10-32Vdc	10	Steel + ott.cr	145	150 x 234 x 150	3 x 7 mm	447 mt	2,6	RE 58810

SPARE LED BULB



RE 58810/B



### STAINLESS STEEL CROSSTREE LIGHT

With Parabola and H 3 bulb

Housing	Diameter	Power	Voltage	Dimensions	Fixing	Lamps	Code
S. Steel	110 mm	55 W	12 V	117 x 65 mm	120 x 33 mm	H 3	RE 58870
S. Steel	110 mm	70 W	24 V	117 x 65 mm	120 x 33 mm	H 3	RE 58871



### FLOODLIGHT

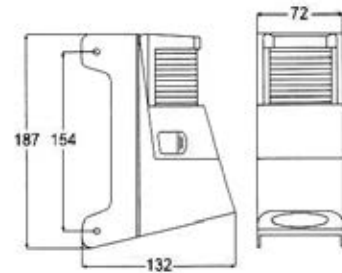
Manufactured in stainless steel  
Sealed beam bulb

Housing	Voltage	Power	Dimensions	Fixing	Code
S. Steel	12 V	55 W	115 mm	Bracket	RE 58854
S. Steel	24 V	55 W	115 mm	Bracket	RE 58855



### MASTHEAD/FLOODLIGHT COMBINATION LAMPS

Suitable for sailing vessels  
RINA Approval  
For vessel less than 12 m  
Lamps GU 5,3 x 20W  
Black or white reinforced fibre  
Housing arms flex to fit  
to every mast dimensions

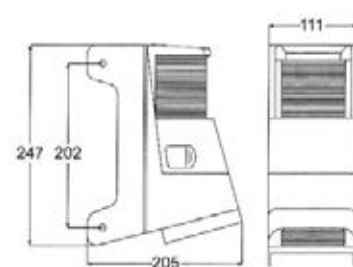


Lens color	Grades	Base	Dimensions mm	Visibility	Vessels m	Lamps	Code
White 225°	225° + foredeck	Black	72 x 187 x 132 mm	2 miles	12	SV 8,5 - 8	RE 58888
White 225°	225° + foredeck	White	72 x 187 x 132 mm	2 miles	12	SV 8,5 - 8	RE 58889



### MASTHEAD/FLOODLIGHT COMBINATION LAMPS

Suitable for sailing vessels  
RINA Approval  
For vessel less than 20 m  
Searchlight, white lens at 225°  
+ on deck searchlight 12V  
Halogen lamps H 3 12V 55W  
In robust polycarbonate  
Black or white versions  
Housing arms flex to fit to every mast dimensions



Lens color	Grades	Base	Dimensions mm	Visibility	Vessels m	Lamps	Code
White 225°	225° + foredeck	Black	111 x 247 x 205 mm	3 miles	20	BAY15d	RE 59118
White 225°	225° + foredeck	White	111 x 247 x 205 mm	3 miles	20	BAY15d	RE 59117





### TWIN BEAM HAND HELD SEARCH LIGHT 8502 SERIES

Two reflectors and two halogen bulbs on separate switches  
Trigger switch integrated into the grip allows morse code operation  
Extended front edge for protection of the glass lens  
Protection IP X6K

Oper. voltage V	Consumption W	Absorption A	Dimensions mm	Bulb	Code
2 x 12	55 + 55	3,5	Ø 154 x 166	H3	RE 58847
2 x 24	70 + 70	3,5	Ø 154 x 166	H3	RE 58848



### LED SEARCH LIGHT

Advanced electronics ensure reliable lighting and lamp protection even in case of strong voltage fluctuations and low battery voltages.  
Degree of protection IP 66. Power supply 9-36 Vdc gives it protection from polarity inversion, and overvoltage.

Voltage	Power W	Length cable m	Dimensions mm	Light type	Code
9 - 36 Vdc	30	3,5	83 x 160	Diffused	RE 58849
9 - 36 Vdc	30	3,5	83 x 160	Depth	RE 58850



### POWERFUL TWIN BEAM FIXED MOUNT SEARCH LIGHT 8502 SERIES

Two reflectors and two halogen bulbs on separate switches  
360° rotation. 30° vertical adjustment  
Extended front edge for protection of the glass lens  
Shock and vibration resistant plastic. High gloss aluminium reflector  
Protection IP X6K  
Through cabins roofs  
Pre-wired with 350mm of cable Grommet sealed. O-ring included

Oper. voltage V	Consumption W	Dimensions mm	Bulb	Code
2 x 12	55 + 55	Ø 154 x 488	H3	RE 58859
2 x 24	70 + 70	Ø 154 x 488	H3	RE 58860



### DOCKING LIGHTS

Pair of docking lights  
Shock and vibration resistant plastic. High gloss aluminium reflector  
Protection IP 67

Color	Oper. voltage V	Consumption W	Dimensions mm	Bulb	Code
White	12	55	236 x 203 x 82	H3	RE 58861
White	24	70	236 x 203 x 82	H3	RE 58862
Chrome	12	55	236 x 206 x 81	H3	RE 58863
Chrome	24	70	236 x 206 x 81	H3	RE 58864



### MEGA BEAM LED FLOODLIGHTS

Durable, energy saving LED floodlights  
UV and impact resistant plastic front housing  
Die cast aluminium body, glass lens - 316 stainless steel  
IP 67 - Completely Sealed. Approvals CE - Pre-wired with 2.5m of twin core marine cable

Oper. voltage	Power	Color	Color temp.	Light output	Dimensions mm	Code
9-30 Vdc	13 W	Black	6500°k	800 Lumen	110 x 145 x 83	RE 59235
9-30 Vdc	13 W	White	6500°k	800 Lumen	110 x 145 x 83	RE 59236



### MODULE 70 LED FLOODLIGHTS

Durable and efficient LED floodlights offering power saving illumination  
UV and impact resistant plastic front housing. Die cast aluminium body, glass lens  
316 stainless steel. IP 67. Completely Sealed  
Approvals CE. Pre-wired with 2.0m of twin core marine cable

Oper. voltage	Power	Color	Color temp.	Light output	Dimensions mm	Code
9-30 Vdc	13 W	Black	6500°k	800 Lumen	83 x 110 x 74	RE 59237
9-30 Vdc	13 W	White	6500°k	800 Lumen	83 x 110 x 74	RE 59238



### SEA HAWK LED FLOODLIGHTS

UV and impact resistant plastic, heavy duty Grilamid® lens  
Polished stainless steel 316 - Light Output White Lamps - 200 lumens  
Pre-wired with marine cable - Protection: IP 67 - Completely sealed

Oper. voltage	Light type	Power W	Color	Color temp.	Mounting	Dimensions mm	Code
9-33 Vdc	Spread	3 W	Black	5500°k	a bracket	136 x 53 x 46	RE 59450
9-33 Vdc	Spread	3 W	White	5500°k	a bracket	136 x 53 x 46	RE 59452



### SEA HAWK-R LED FLOODLIGHTS

UV and impact resistant plastic, heavy duty Grilamid® lens  
Polished stainless steel 316. Light Output 550 lumens (White) / 380 lumens (Warm White)  
Pre-wired with marine cable - Protection: IP 67 - Completely sealed

Oper. voltage	Light type	Power	Color	Color temp.	Mounting	Dimensions mm	Code
9-33 Vdc	Spread	7 W	Black	5000°k	Bracket	136 x 53 x 46	RE 59458
9-33 Vdc	Spread - Warm white	7 W	White	3000°k	Bracket	136 x 53 x 46	RE 59460
9-33 Vdc	Spread	3 W	Black	5500°k	Recessed	176 x 50 x 47	RE 59454
9-33 Vdc	Spot	3 W	Black	5500°k	Recessed	176 x 50 x 47	RE 59455
9-33 Vdc	Spread	3 W	White	5500°k	Recessed	176 x 50 x 47	RE 59456
9-33 Vdc	Spot	3 W	White	5500°k	Recessed	176 x 50 x 47	RE 59457



### SEA HAWK XL DUAL COLOR LED FLOODLIGHTS

UV and impact resistant plastic, heavy duty Grilamid® lens  
Polished stainless steel 316. Light Output: white light 750 Lumen - warm white 500 Lumen  
Pre-wired with marine cable - Protection: IP 67 - Completely sealed

Oper. voltage	Light type	Power	Color	Color temp.	Mounting	Dimensions mm	Code
9-33 Vdc	Spread	18 W	Black	5500°k	Bracket	170 x 68 x 58	RE 59462
9-33 Vdc	spot	18 W	Black	5500°k	Bracket	170 x 68 x 58	RE 59464
9-33 Vdc	Spread	18 W	White	5500°k	Bracket	170 x 68 x 58	RE 59465
9-33 Vdc	Spot	18 W	White	5500°k	Bracket	170 x 68 x 58	RE 59467
9-33 Vdc	White / Red	12 W/3W	Black	5500°k	Bracket	170 x 68 x 58	RE 59468
9-33 Vdc	White / Blu	12 W/3W	Black	5500°k	Bracket	170 x 68 x 58	RE 59469

# 11 WHISTLES HORNS AND ALARMS



- Approved electronic whistles
- Approved air whistles
- Compressor
- Electromagnetic horns
- Air horns
- Alarms

MARCO

SHARK

HURRICANE

# 11

## REBAMARINE

NAUTICAL EQUIPMENT

# APPROVED ELECTRONIC WHISTLES 12÷20 MT



## APPROVED ELECTRONIC WHISTLE

For vessels from 12 to 20mt  
 R.I.N.A. – Lloyd's Register MCA , Bureau Veritas, NMNA AND BSH homologation  
 Meets COLREG 1972 IMO Class IV international regulations  
 Use: manual tone signalling or customized fog signal  
 Included loudspeaker and electronic controller with 675Hz frequency generator

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW2	12 V	3 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	NO	RE 82015
EW2	24 V	1,5 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	NO	RE 82016



## APPROVED ELECTRONIC WHISTLE (WITH ONE MICROPHONE)

For vessels from 12 to 20mt  
 R.I.N.A. – Lloyd's Register MCA and Bureau Veritas, NMNA, BSH homologation  
 Meets COLREG 1972 IMO Class IV international regulations  
 Use: manual tone signalling, voice amplifier ,customized fog signal and VHF input  
 Complete with loudspeaker and electronic controller with 675Hz frequency generator

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW2-M	12 V	3 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	1	RE 82017
EW2-M	24 V	1,5 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	1	RE 82018



## APPROVED ELECTRONIC WHISTLE (WITH ONE MICROPHONE AND SIREN EFFECT)

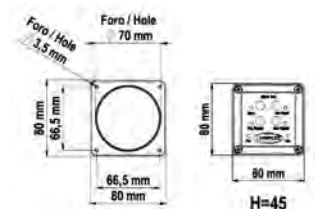
For vessels 12 ÷ 20 m  
 RINA – Lloyd's Register MCA and Bureau Veritas, NMNA, BSH homologations  
 Meets COLREG 1972 IMO Class IV International regulations  
 Uses: manual and acoustic signals, horn, personalized anti-fog signal, VHF input and voice amplifier  
 Includes: loudspeaker, microphone and electric control unit with generator at 675Hz

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW2-MS	12 V	3 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	1	RE 82029
EW2-MS	24 V	1,5 A	12 ÷ 20 mt	122 dB	675 Hz	249 x 237 mm	RINA	1	RE 82030



## CONTROL PANEL FOR ELECTRONIC HORNS

Used for operating the horn from the cabin  
 The installation time of the whistle is reduced  
 In only one RJ45 cable the whistle functions are reunited: horn, fog signal, VHF input  
 Backlight membrane for operations in dark conditions



Model	Power supply	Protection	Compatibility	Dimensions mm	Inlet hole	Connection	Code
SB-UV	12-24V	IP 55	EW2 / EW2-M EW2-MS	80 x 80 x 45	70 mm	RJ 45	RE 82008

# APPROVED ELECTRONIC WHISTLES 20÷75 MT

**MARCO**


## APPROVED ELECTRONIC WHISTLE

For vessels from 20 to 75mt

R.I.N.A. – Lloyd's Register MCA , Bureau Veritas, NMMA and BSH homologations

Meets COLREG 1972 IMO Class III international regulations

Use: automatic or customized fog signal

Included loudspeaker and electronic controller with 690Hz frequency generator

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW3	24V	4 A	20 ÷ 75mt	131 dB	690 Hz	422 x 318 mm	RINA	NO	RE 82105

## APPROVED ELECTRONIC WHISTLE (WITH ONE MICROPHONE)

For vessels from 20 to 75mt

R.I.N.A. – Lloyd's Register MCA , Bureau Veritas, NMMA and BSH homologations

Meets COLREG 1972 IMO Class III international regulations

Use: automatic or customized fog signal and voice amplifier

Included loudspeaker, microphone and electronic controller with 690Hz frequency generator

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW3-M	24 V	4 A	20 ÷ 75mt	131 dB	690 Hz	422 x 318 mm	RINA	1	RE 82048

## APPROVED ELECTRONIC WHISTLE (WITH ONE MICROPHONE AND SIREN EFFECT)

For vessels from 20 to 75mt

R.I.N.A. – Lloyd's Register MCA , Bureau Veritas, NMMA and BSH homologations

Meets COLREG 1972 IMO Class III international regulations

Use: automatic or customized fog signal, voice amplifier and siren effect

Included: loudspeaker, single microphone and electronic controller with 690Hz frequency generator

Model	Power supply	Absorption	Type of vessels	Acoustic power	Signal frequency	Loudspeaker dimensions	Approvals	Microphone	Code
EW3-MS	24 V	4 A	20 ÷ 75mt	131 dB	690 Hz	422 x 318 mm	RINA	1	RE 82065

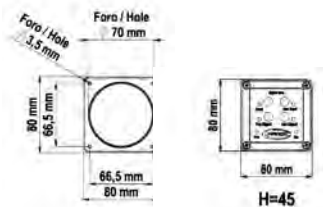
## CONTROL PANEL FOR ELECTRONIC HORNS

Used for operating the horn from the cabin

The installation time of the whistle is reduced

In only one RJ45 cable the whistle functions are reunited: horn, fog signal, VHF input

Backlight membrane for operations in dark conditions



Model	Power supply	Protection	Compatibility	Dimensions mm	Inlet hole	Connection	Code
SB-UV	12-24V	IP 55	EW2/ EW2-M EW2-MS	80 x 80 x 64 mm	70 mm	RJ 45	RE 82008



# APPROVED AIR HORN 12÷20 MT

**MARCO**


## APPROVED SIGNALLING WHISTLE (WITH COMPRESSOR)

For vessels from 12m to 20m

Approval: R.I.N.A., LLOYD'S register Mca, Bureau veritas and NMMA

Meets COLREG 1972 IMO class iv regulations

Complete with white painted horn Ø200 mm, electric compressor and mounting accessories

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW2	12 V	20 A	12 ÷ 20 m	123 dB	315 Hz	460 x Ø 200 mm	RINA	2,5 Kg	RE 82013
PW2	24 V	10 A	12 ÷ 20 m	123 dB	315 Hz	460 x Ø 200 mm	RINA	2,5 Kg	RE 82014



## APPROVED SIGNALLING WHISTLE (WITH COMPRESSOR)

For vessels from 12m to 20m in length

Approval: R.I.N.A., LLOYD'S register Mca, Bureau veritas and NMMA

Meets COLREG 1972 IMO class IV regulations

Complete with Ø200 mm white horn (new design), electric compressor and mounting accessories

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW2-BB	12 V	20 A	12 ÷ 20 m	123 dB	315 Hz	460 x Ø 200 mm	RINA	2,5 Kg	RE 82109
PW2-BB	24 V	10 A	12 ÷ 20 m	123 dB	315 Hz	460 x Ø 200 mm	RINA	2,5 Kg	RE 82110



## APPROVED SIGNALLING WHISTLE (WITH COMPRESSOR)

For vessels from 12m to 20m

Approval: R.I.N.A., LLOYD'S register MCA and Bureau veritas

Meets COLREG 1972 IMO class IV regulations

Complete with chrome plated horn Ø 200 mm, electric compressor and mounting accessories

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW2-BC	12 V	20 A	12 ÷ 20mt	123 dB	315 Hz	449 x 200 mm	RINA	2,5 Kg	RE 82093
PW2-BC	24 V	10 A	12 ÷ 20mt	123 dB	315 Hz	449 x 200 mm	RINA	2,5 Kg	RE 82094

REPLACEMENT PROTECTIVE CAP Ø 200 mm

RE 82111



## COMPRESSOR FOR DOUBLE TRUMPET

Robust and powerful, with tubes for attacks

Voltage	Absorption	Dimensions	Pipe connection	Weight	Code
12 V	20 A	117 x 100 x 165 mm	9 mm	2 Kg	RE 82006
24 V	20 A	117 x 100 x 165 mm	9 mm	2 Kg	RE 82007

# APPROVED AIR HORN 20÷75 MT

**MARCO**


## APPROVED SIGNALLING WHISTLE (ELECTRIC VALVE)

For vessels from 20m to 75m

Approval: R.I.N.A., LLOYD'S register MCA, Bureau veritas and NMMA

Meets COLREG 1972 IMO class III regulations

Complete with white painted horn Ø300 mm, electric valve and mounting accessories

Compressed air operation: 6-12 bar

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW3	12 V	4,5 A	20 ÷ 75 m	132 dB	315 Hz	460 x Ø 300 mm	RINA	3,5 Kg	RE 82047
PW3	24 V	2,5 A	20 ÷ 75 m	132 dB	315 Hz	460 x Ø 300 mm	RINA	3,5 Kg	RE 82049



## APPROVED SIGNALLING WHISTLE (ELECTRIC VALVE)

For vessels from 20m to 75m

Approval: R.I.N.A., LLOYD'S register MCA, Bureau veritas and NMMA

Meets COLREG 1972 IMO class III regulations

Complete with Ø300 mm chrome plated horn (new design), electric valve and mounting accessories

Compressed air operation: 6-12 bar

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW3-BB	12 V	4,5 A	20 ÷ 75 m	132 dB	315 Hz	456 x Ø 300 mm	RINA	3,5 Kg	RE 82095
PW3-BB	24 V	2,5 A	20 ÷ 75 m	132 dB	315 Hz	456 x Ø 300 mm	RINA	3,5 Kg	RE 82096



## APPROVED SIGNALLING WHISTLE (ELECTRIC VALVE)

For vessels from 20m to 75m

Approval: R.I.N.A., LLOYD'S register MCA, Bureau veritas and NMMA

Meets COLREG 1972 IMO class III regulations

Complete with Ø300 mm white horn (new design), electric valve and mounting accessories

Compressed air operation: 6-12 bar

Model	Power supply	Absorption compressor	Type of vessels	Acoustic power	Signal frequency	Dimensions horn	Approval	Weight horn	Code
PW3-BC	12 V	4,5 A	20 ÷ 75 m	132 dB	315 Hz	456 x Ø 300 mm	RINA	3,5 Kg	RE 82114
PW3-BC	24 V	2,5 A	20 ÷ 75 m	132 dB	315 Hz	456 x Ø 300 mm	RINA	3,5 Kg	RE 82115

REPLACEMENT PROTECTIVE CAP Ø 300 mm

RE 82111



## COMPACT ELECTRIC COMPRESSOR (8 LITRES)

For Approval horns

Working pressure: 8 bar

Air flow rate : 47 l/min

Model	Voltage V	Motor W	Tank Lt	Max pressure bar	Max pressure psi	Dimensions mm	Weight Kg	Code
M3	12	380	8	8	116	390 x 230 x 380	9	RE 82117
M3	24	380	8	8	116	390 x 230 x 380	9	RE 82118

# COMPACT ELECTRONIC WHISTLES



## ELECTRONIC WHISTLES

Complete with watertight loudspeaker,  
AISI 316 stainless steel bracket  
Electronic unit with function of:  
horn, automatic fog signal and aux input

Model	Power supply	Acoustic	Signal frequency	Dimensions loudspeaker	Degree protection	Microphone	Loudspeaker	Emerg. siren	Code
EMH	12V	112 dB	800 Hz	154x121x132 mm	IP 67	NO	1	NO	RE 82120
EMH	24V	112 dB	800 Hz	154x121x132 mm	IP 67	NO	1	NO	RE 82121



## ELECTRONIC WHISTLES (WITH MICROPHONE)

Complete with watertight loudspeaker, AISI 316 stainless steel bracket  
Black microphone and electronic unit with function of:  
horn, automatic fog signal, aux input, microphone and emergency siren (model RE 82123 – RE 82124)

Model	Power supply	Acoustic	Signal frequency	Dimensions loudspeaker	Degree protection	Microphone	Loudspeaker	Emerg. siren	Code
EMH-M	12V	112 dB	800 Hz	154x121x132 mm	IP 67	1	1	NO	RE 82067
EMH-M	24V	112 dB	800 Hz	154x121x132 mm	IP 67	1	1	NO	RE 82068
EMH-MS	12V	112 dB	800 Hz	154x121x132 mm	IP 67	1	1	SI	RE 82123
EMH-MS	24V	112 dB	800 Hz	154x121x132 mm	IP 67	1	1	SI	RE 82124



## ELECTRONIC WHISTLES FOR MARINE UTILITY VEHICLES

Complete with two watertight loudspeaker,  
AISI 316 stainless steel bracket  
Black microphone and electronic unit  
with function of: horn, two aux input (VHF and stereo), microphone,  
automatic fog signal and emergency siren (available in four different options)  
Main use: in foggy weather conditions, to attract attention of boats and bathers, to communicate within the harbour, amplification of the CB, to come alongside boats and to listen to music stereophonically

Model	Power supply	Acoustic	Signal frequency	Dimensions loudspeaker	Degree protection	Microphone	Loudspeaker	Emerg. siren	Code
EMH-2	12V	115 dB	800 Hz	154x121x132 mm	IP 67	1	2	SI	RE 82125
EMH-2	24V	115 dB	800 Hz	154x121x132 mm	IP 67	1	2	SI	RE 82126

REPLACEMENT WATERPROOF LOUDSPEAKER IP 67 (8Ω)

RE 82122

FUNZIONI DISPONIBILI AVAILABLE FUNCTIONS		TROMBA HORN	NEBBIA FOG	VHF INPUT	MICROFONO MICROPHONE	SIRENA SIREN	STEREO INPUT	ALTOPARLANTE LOUDSPEAKER
TIPO TYPE	CODICE PART NUMBER							
EMH	RE 82120	•	•	•				1
	RE 82121	•	•	•				1
EMH-M	RE 82067	•	•	•	•			1
	RE 82068	•	•	•	•			1
EMH-MS	RE 82123	•	•	•	•	•		1
	RE 82124	•	•	•	•	•		1
EMH-2	RE 82125	2	•	•	•	•	•	2
	RE 82126	2	•	•	•	•	•	2





### SET CHROMED WHISTLES 12/50

Sets of approved chromed horns. New design.  
Complete with integrated electric valves.

Model	Supply voltage	Frequency	Power	Dimensions	Code
PW2-2BC	12 V	220/315 Hz	126 dB	385x600x207 mm	RE 82127
PW2-2BC	24 V	220/315 Hz	126 dB	385x600x207 mm	RE 82128
PW2-3BC	12 V	220/315/175 Hz	126 dB	570x600x207 mm	RE 82129
PW2-3BC	24 V	220/315/175 Hz	126 dB	570x600x207 mm	RE 82130



### PORTABLE GAS HORN

Gas horn for vessels between 12-50m in length  
Plastic trumpet with stainless steel base

Model	Approval	Frequency	Power	Weight	Length	Content	Code
TA1R	from 12 to 50 m	400 Hz	122 dB	1,1 Kg	190 mm	750 ml	RE 82131
TA1X	until 12 m	400 Hz	122 dB	0,47 Kg	190 mm	200 ml	RE 82132



### BELL APPROVED 12-50 M

Approved signalling bells of polished brass or chromed.

Model	Materials	Dimensions	Weight	Code
BE2	brass	diameter 200	2,5 Kg	RE 82133
BE2 - C	chrome brass	diameter 200	2,5 Kg	RE 82134



### BELL APPROVED 20-75 M

Approved signalling bells of polished brass or chromed.

Model	Materials	Dimensions	Weight	Code
BE3	brass	diameter 300	8 Kg	RE 82135
BE3 - C	chrome brass	diameter 300	8 Kg	RE 82136

# ELECTROMAGNETIC HORNS

**MARCO**


## SINGLE ELECTROMAGNETIC HORN

Brass chromed trumpet. Bracket and screws in stainless steel. Powerful acoustic unit

Model	Power Supply	Absorption	Frequency	Acoustic Power (1 m)	Trumpet length	Trumpet material	Code
EM2	12 V	5 A	370 Hz	118 dB	400 mm	Brass chromed	RE 82140
EM2	24 V	4 A	370 Hz	118 dB	400 mm	Brass chromed	RE 82141
EM1	12 V	5 A	320 Hz	118 dB	470 mm	Brass chromed	RE 82142
EM1	24 V	4 A	320 Hz	118 dB	470 mm	Brass chromed	RE 82143



## DOUBLE ELECTROMAGNETIC HORN

Brass chromed trumpet. Bracket and screws in stainless steel. Powerful acoustic unit

Model	Power Supply	Absorption	Frequency	Acoustic Power (1 m)	Trumpet length	Trumpet material	Code
EM1/2	12 V	10 A	320/370 Hz	121 dB	470/400 mm	Brass chromed	RE 82144
EM1/2	24 V	8 A	320/370 Hz	121 dB	470/400 mm	Brass chromed	RE 82145



## SINGLE STAINLESS STEEL ELECTROMAGNETIC HORN

Trumpet in 304 stainless steel (UNI 18/10). Bracket and screws in stainless steel  
Membrane in 301 stainless steel. New support with integrated cable

Model	Supply	Absorption	Frequency	Acoustic power	Trumpet length	Trumpet material	Code
EMX1	12 V	6 A	340 Hz	119 dB	470 mm	Stainless steel	RE 82071
EMX1	24 V	3 A	340 Hz	119 dB	470 mm	Stainless steel	RE 82072
EMX2	12 V	6 A	370 Hz	119 dB	400 mm	Stainless steel	RE 82073
EMX2	24 V	3 A	370 Hz	119 dB	400 mm	Stainless steel	RE 82074



## DOUBLE STAINLESS STEEL ELECTROMAGNETIC HORN

Trumpet in 304 stainless steel (UNI 18/10). Bracket and screws in stainless steel  
Membrane in 301 stainless steel. New support with integrated cable

Model	Supply	Absorption	Frequency	Acoustic power	Trumpet length	Trumpet material	Code
EMX1/2	12 V	12 A	340/370 Hz	122 dB	400/470 mm	Stainless steel	RE 82147
EMX1/2	24 V	6 A	340/370 Hz	122 dB	400/470 mm	Stainless steel	RE 82148



## COMPACT ELECTROMAGNETIC "DUCK HORN"

Compact horn with stainless steel trumpet, base and membrane.

Model	Power Supply	Absorption	Frequency	Acoustic Power (1 m)	Trumpet length	Trumpet material	Code
DUK	12 V	5 A	570 Hz	114 dB	250 mm	Stainless steel	RE 82146



## COMPACT ELECTROMAGNETIC HORN

Trumpet in white enamel brass. Reduced dimensions. High sound output

Model	Supply	Absorption	Frequency	Acoustic power	Trumpet length	Trumpet material	Code
TCE	12 V	5 A	350 Hz	114 dB	250 mm	Enamel brass	RE 82075

# ELECTROMAGNETIC HORNS

**MARCO**


## COMPACT AIR HORN

Trumpet in white ABS with reduced dimensions (250 mm). High sound output

Model	Power Supply	Absorption compress	Frequency	Acoustic power	Total lenght	Trumpet material	Weight	Code
TC1/P	12 V	16 A	420 Hz	116 dB	250 mm	ABS	-	RE 82077
TC1/P	24 V	8 A	420 Hz	116 dB	250 mm	ABS	-	RE 82078



## SINGLE AIR HORN

Trumpet in chromed plastic. Complete with trumpet, compressor, relays and installation kit

Model	Power Supply	Absorption compress	Frequency	Acoustic power	Total lenght	Trumpet material	Weight	Code
MA1-C	12 V	18 A	326 Hz	114 dB	390 mm	PLASTIC	-	RE 82079
MA1-C	24 V	9 A	326 Hz	114 dB	390 mm	PLASTIC	-	RE 82080



## DOUBLE AIR HORN (TWO TONE)

Two trumpets in chromed plastic. Complete with two trumpets, compressor, relays and installation kit

Model	Power Supply	Absorption compress	Frequency Trumpet n° 1	Frequency Trumpet n° 2	Acoustic power	Dimensions	Weight	Code
TT2-M	12 V	18 A	326 Hz	412 Hz	111 dB	390 mm	-	RE 82081
TT2-M	24 V	9 A	326 Hz	412 Hz	111 dB	390 mm	-	RE 82082



## SINGLE AIR HORN

Trumpet in chromed brass with double mounting bracket  
Complete with trumpet, compressor, relays and installation kit

Model	Power Supply	Absorption compress	Frequency	Acoustic power	Total lenght	Trumpet material	Weight	Code
MA1-S	12 V	18 A	228 Hz	117 dB	500 mm	BRASS	1,1 Kg	RE 82019
MA1-S	24 V	9 A	228 Hz	117 dB	500 mm	BRASS	1,1 Kg	RE 82020



## DOUBLE AIR HORN (TWO TONE)

Two trumpets in chromed brass with double mounting bracket  
Complete with two trumpets, compressor, relays and installation kit

Model	Power Supply	Absorption compress	Frequency Trumpet n° 1	Frequency Trumpet n° 2	Acoustic power	Dimensions	Weight	Code
RIM-N	12 V	26 A	177 Hz	218 Hz	111 dB	610 mm	4,2 Kg	RE 82021
RIM-N	24 V	13 A	177 Hz	218 Hz	111 dB	610 mm	4,2 Kg	RE 82022



## COMPRESSOR FOR SINGLE AIR HORN

Powerful and strong with pipe connections

Voltage	Absorption	Dimensions	Pipe connection	Weight	Code
12 V	19 A	73 x 114 mm	9 mm	0,5 Kg	RE 82009
24 V	9 A	73 x 114 mm	9 mm	0,5 Kg	RE 82010



## COMPRESSOR FOR TWO TONE AIR HORN

Powerful and strong with pipe connections

Voltage	Absorption	Dimensions	Pipe connection	Weight	Code
12 V	20 A	117 x 100 x 165 mm	9 mm	2 Kg	RE 82006
24 V	10 A	117 x 100 x 165 mm	9 mm	2 Kg	RE 82007

# ELECTROMAGNETIC HORNS



## ELECTROMAGNETIC HORN "SHARK"

Body in white ABS  
High sound output, easy to install



Voltage	Absorption	dB	Hz	Finishing	Dimensions mm	Weight	Code
12V	5 A	108	400	White	100 x 141 x 98	400 gr	RE 82085
12V	5 A	108	400	Chromed	100 x 141 x 98	400 gr	RE 82089



## DISC HORN

White or chromed ABS body, Internal disc horn, screw and strap connection in AISI 316

Voltage	Absorption	Version	DB	Dimensions mm	Bracket	Weight	Code
12V	4 A	Chromed	110	107 x 156 x 75	Steel	700 gr	RE 82086
24V	2 A	Chromed	110	107 x 156 x 75	Steel	700 gr	RE 82087



## PNEUMATIC HORN "HURRICANE"

Typically marine low tone. Extraordinary powerful sound  
With compressor for maximum functionality



Color	Voltage	Absorption	dB	Hz	Dimensions mm	Weight	Code
White	12V	18A	120	300	134 x 195 x 167	760 g	RE 82083
White	24V	9 A	120	300	134 x 195 x 167	760 g	RE 82084
Brass chromed	12V	18A	120	300	134 x 195 x 167	760 g	RE 82097
Brass chromed	24V	9 A	120	300	134 x 195 x 167	760 g	RE 82098



## INSIDE MOUNTED HORN "SMILE"

Grille in ASA material UV resistant with snap-on system



Voltage	Absorption	Version	dB	Dimensions mm	Hz	Weight	Code
12V	5 A	Chromed	108	117x89x110	400	-	RE 82099
12V	5 A	White	108	117x89x110	400	-	RE 82012



## DISC HORN

White or chromed ABS body, Internal disc horn, screw and strap connection in AISI 316



Voltage	Absorption	DB	Hz	Dimensions mm	Mounting	Weight	Code
12V	5 A	114	490	80 x 100 x 85	L bracket	500 gr	RE 82023
24V	3,5 A	114	490	80 x 100 x 85	L bracket	500 gr	RE 82024
12V	5 A	114	410	80 x 100 x 85	L bracket	500 gr	RE 82025
24V	3,5 A	114	410	80 x 100 x 85	L bracket	500 gr	RE 82026



## COUPLE OF CHROMED HORNS

In stainless steel and chromed ABS



Voltage	Absorption	Version	Hz	Dimensions mm	Mounting	Weight	Code
12V	10 A	Chromed	490 - 410	80 x 100 x 85	L bracket	1 Kg	RE 82039
24V	7 A	Chromed	490 - 410	80 x 100 x 85	L bracket	1 Kg	RE 82040



### BACK-UP ALARM 85-95 DB

Universal voltage waterproof horn with intermittent sound, particularly suitable for signalling operations such as: opening of deck and engine compartment; pulling out of gangways; crane, davit and cathead operating; malfunctioning of electronic devices.

Model	Voltage	Dimensions mm	dB	Hz	A	Code
BK1	6-100V	103x80x44	87/97	950/1850	01 - 0,3	RE 82069
BK2	9-28V	103x80x44	107	1850	0,5	RE 82070



### BUZZER IN CASE

Panel piezoelectric buzzer in 52mm diam. case  
Low consumption and high reliability

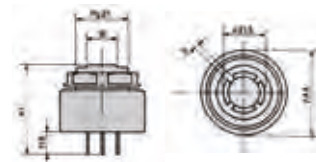


Color	Bezel	Instrument Ø	DB	Voltage	Code
Black	Black	52 mm	90	12 - 24V	RE 71499



### IP 65 BUZZER

Pratic , strong and watertight  
Pulse or continuous sound  
Protection against reverse polarity  
Absorption 3 – 18 mA

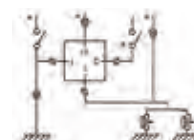


Color	Hz	Dimensions	Connection	Voltage	Inlet hole	Code
Black	2400	45 x 48 mm	3 Faston	5 - 32 V	28 mm	RE 82062



### ELECTRONIC BUZZER 12V

Installation on realy base  
Low consumption : 1,5 mA  
Vibration and humidity resistant



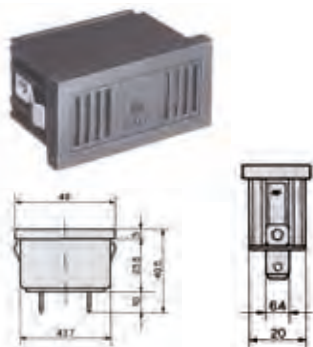
Color	Dimensions	Connection	Voltage	Intensity	Code
Black	30 x 30 x 46 mm	4 Faston	12 V	> 65 dB a 25 cm	RE 82063



### PIZOELECTRIC BUZZER

For installation on the panel  
Modular system 25 x 25 mm

Color	Dimensions	Connection	Voltage	Intensity	Code
Black	25 x 25 x 47,5 mm	2 Faston	24 V	> 70 dB a 100 cm	RE 82027



### BUZZER FOR INLET INSTALLATIONS

Modular with toggle switches (pressure installation)  
IP 65 protection. Absorption 60 mA. Continuous sound

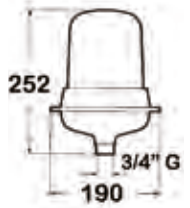
Color	Hz	Dimensions	Connection	Voltage	Inlet hole	dB	Code
Black	400	44 x 20,5 x 40,5 mm	2 Faston	24 V	44 x 20,5 mm	80 at (60cm)	RE 82090

# ROTATING LIGHTS



## ROTATING LIGHT FOR MARINE APPLICATION

Stainless steel base and ring with 3/4" G mount  
 Unbreakable dome (PC) sealed to the ring with resin - bolt fixing  
 Parallel axis gear drive. Steel supporting plate with rubber dampers  
 Sintered bush bearing. Metallized steel reflector with balance counterweight  
 Voltage stabilizer according to DIR. 95/54/CE

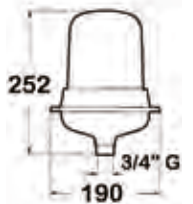


Model	Color	Voltage	Absorption	IP	Dimensions	Mount base	Turns/min	Bulb	Weight	Code
RTB/5 MARINE	Blue	12 V	4,8 A	IP 67	Ø 190x252 mm	¾" G	160±30	H1-55W	880 g	RE 82150
RTB/5 MARINE	Orange	12 V	4,8 A	IP 67	Ø 190x252 mm	¾" G	160±30	H1-55W	880 g	RE 82151
RTB/5 MARINE	Blue	24 V	2,9 A	IP 67	Ø 190x252 mm	¾" G	160±30	H1-70W	880 g	RE 82152
RTB/5 MARINE	Orange	24 V	2,9 A	IP 67	Ø 190x252 mm	¾" G	160±30	H1-70W	880 g	RE 82153

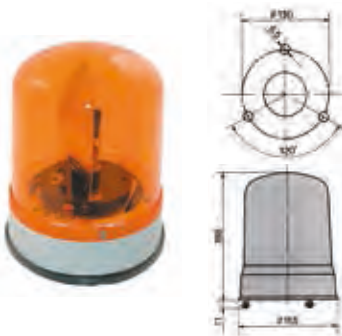


## XENON FLASHING FOR MARINE APPLICATION

Stainless steel base and ring with 3/4" G mount  
 Unbreakable dome (PC) sealed to the ring with resin - bolt fixing  
 High power precision electronic circuit  
 Xenon discharge tube 10 J Internal Fresnel lens - PMMA  
 Single flash version standard  
 Double flash version: (on request)  
 According to DIR. 95/54/CE



Model	Color	Voltage	Absorption	IP	Dimensions	Mount base	Flash/min	Bulb	Weight	Code
RTB/5 FLASH MARINE	Blue	12 V	3 A	IP 67	Ø 190x252 mm	¾" G	160 ±10	Xenon 10J	980 g	RE 82154
RTB/5 FLASH MARINE	Orange	12 V	3 A	IP 67	Ø 190x252 mm	¾" G	160 ±10	Xenon 10J	980 g	RE 82155
RTB/5 FLASH MARINE	Blue	24 V	1,5 A	IP 67	Ø 190x252 mm	¾" G	160 ±10	Xenon 10J	980 g	RE 82156
RTB/5 FLASH MARINE	Orange	24 V	1,5 A	IP 67	Ø 190x252 mm	¾" G	160 ±10	Xenon 10J	980 g	RE 82157



## ROTATING UNBREAKABLE LIGHTS 12-24V

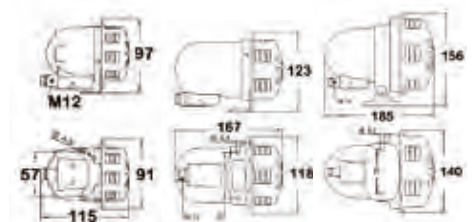
Base in reinforced nylon. Strong and very luminous polycarbonate cover  
 Driving rotation belt with exchangeable pulley. Short pulley (12 V) – big pulley (24 V)

Color	Voltage	Absorption	IP	Dimensions	Base	Turns/min	Lamp	Code
Blue	12 V	4,8 A	53	155x188 mm	155 mm	160	H1 - 55W	RE 82060
Orange	12 V	4,8 A	53	155x188 mm	155 mm	160	H1 - 55W	RE 82059
Blue	24 V	2,9 A	53	155x188 mm	155 mm	160	H1 - 70W	RE 82091
Orange	24 V	2,9 A	53	155x188 mm	155 mm	160	H1 - 70W	RE 82092



## INDUSTRIAL ELECTRIC SIREN

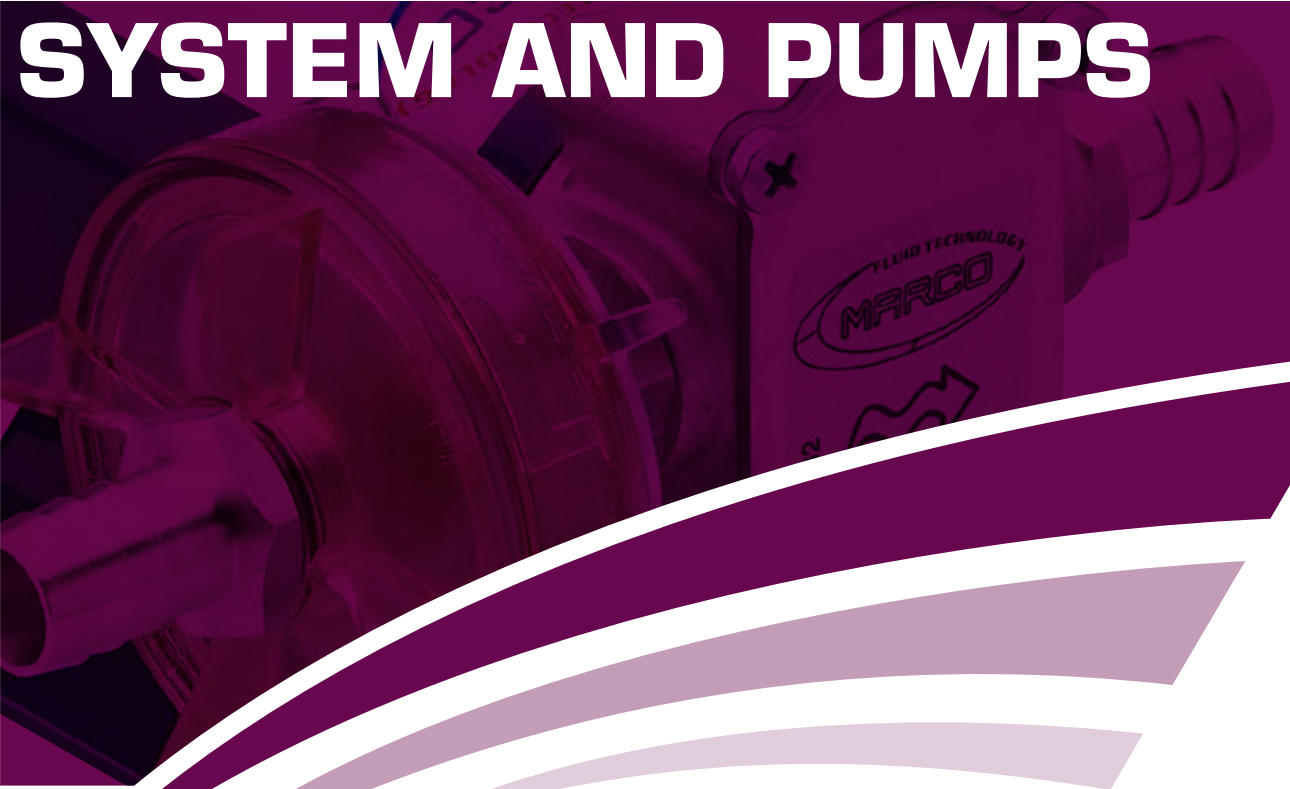
Electric siren 50 W  
 Continuous use: 1 minute ON – 10 minutes OFF  
 Continuous or alternate current  
 Possibility to install it out (with bracket) or to install it inlet  
 Corrosive resistant body in strong polycarbonate  
 Acoustic diffuser in self-extinguishing ABS, fan in ABS  
 Watertight M12 for supply cable exit



Model	Voltage AC/DC	Absorption	Frequency	Sound	Dimensions	Ø Flange	Inlet hole	IP	Weight	Code
MINI CELERE	12 V	2,8 A	1600 Hz	101 dB	Ø92x95x115 mm	Ø 91 mm	Ø 70 mm	IP 43	400 g	RE 82055
MINI CELERE	24 V	1,5 A	1600 Hz	102 dB	Ø92x95x115 mm	Ø 91 mm	Ø 70 mm	IP 43	400 g	RE 82056
CELERE	12 V	10,6 A	1150 Hz	107 dB	Ø118x123x167 mm	Ø 118 mm	Ø 92 mm	IP 43	1200 g	RE 82057
CELERE	24 V	7,5 A	1400 Hz	112 dB	Ø118x123x167 mm	Ø 118 mm	Ø 92 mm	IP 43	1200 g	RE 82058
SUPER CELERE	12 V	17,4 A	900 Hz	114 dB	Ø140x156x185 mm	Ø 140 mm	Ø 110 mm	IP 43	1600 g	RE 82158
SUPER CELERE	24 V	8,8 A	900 Hz	115 dB	Ø140x156x185 mm	Ø 140 mm	Ø 110 mm	IP 43	1600 g	RE 82159

WARNING: FOR USE IN CONTINUOUS SIRENE features and prices on request

# 12 WATER PRESSURE SYSTEM AND PUMPS



- Hand pumps
- Bilge pumps
- Bronze pumps
- Diaphragm pumps
- Water pressure system
- Floating switches
- Filters
- Electrovalves

# 12

## REBAMARINE

NAUTICAL EQUIPMENT



### MANUAL PUMP WARRIOR

For mounting on deck  
In a very robust alloy  
Double diaphragm design gives maximum efficiency  
45 cm handle  
High delivery

Model	Delivery	Ports mm inches	Inlet hole	Wall thickness	Dimensions of the Visible parts	Code
WARRIOR	135l/min	38 1,5	86 mm	5 - 22 mm	129 x 120 x 14,5 mm	RE 80027
Service Kit						RE 80027/K



### MANUAL PUMP UNIVERSAL

For mounting on bulkhead , through bulkhead , on deck or through deck  
Flow rate up to 25 gpm  
28 cm handle  
High delivery

Model	Delivery	Ports mm inches	Inlet hole	Wall thickness	Dimensions of the Visible parts	Code
UNIVERSAL	100l/min	38 1,5	86 mm	5 - 22 mm	129 x 120 x 14,5 mm	RE 80045
Service Kit						RE 80045/K



### MANUAL PUMP THRUDECK

For on deck mounting  
28 cm handle

Model	Delivery	Ports mm inches	Inlet hole	Wall thickness	Dimensions of the Visible parts	Code
THRUDECK	50l/min	25 1	86 mm	5 - 22 mm	129 x 120 x 14,5 mm	RE 80040
Service Kit						RE 80040/K



### MANUAL PUMP BULKHEAD

For mounting through deck deck or through bulkhead  
Compact pump  
Right for small vessels

Model	Delivery	Ports mm inches	MAX dimensions of the pump	Level Angle	Code
BULKHEAD	45l/min	25 1	176 x 204 x 120 mm	40°	RE 80041
Service Kit					RE 80041/K



### HAND PUMPS EXCELSIOR

Double acting semi rotary hand wing pumps  
High manometric head  
Body pump on cast iron, internal parts on bronze

Model	Delivery	Ports mm inches	MAX dimensions of the pump	Weight	Code
EXCELSIOR 5	30l/min	- 1"1/2	287 x 320 x 185 mm	-	RE 80129





# CENTRIFUGAL MOTOR PUMPS



## SELF PRIMING CENTRIFUGAL MOTOR PUMPS

Self-priming el/pumps "ACB series"

Supplied with star impeller (ACB 331 - ACB 332 - ACB 431 series)

APPLICATIONS: bilge, chain washing, fire-fighting,  
intake diesel oil and liquids

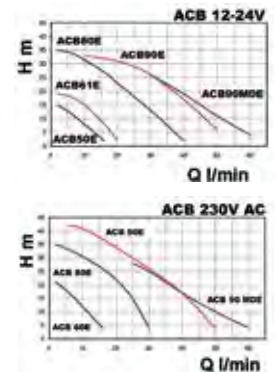
High self-priming capacity (up to 9 M.)

Body pump: bronze

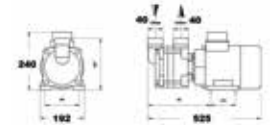
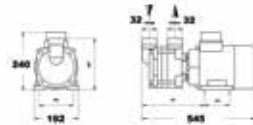
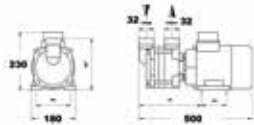
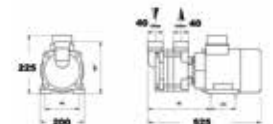
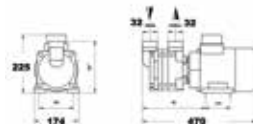
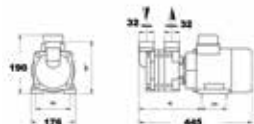
Star impeller: in a special brass alloy

Shaft: AISI 316 stainless steel

Mechanical seal of high quality thanks to stainless steel, graphite and ceramic  
We suggest to install a filter and a clapet valve on the suction pipe



Model	Voltage V	Power Kw	Absorp A	RPM	Max Delivery L/min	Prev. MAX m	Ports inches	Dimensions H x L x D mm	Weight Kg	Code
ACB 61 G	230	0,25	-	2900	20	19	1/2"	115x120x255	10	RE 80332
ACB 61 G	12	0,18	15	3200	20	21	1/2"	105x125x225	7	RE 80091/12
ACB 61 G	24	0,18	7,5	3200	20	21	1/2"	105x125x225	7	RE 80091/24
ACB 61 RG	24	0,25	11	3400	20	26	1/2"	127x140x210	8	RE 80335
ACB 80 E	12	0,37	31	3000	50	34	3/4"	160x155x326	12	RE 80336
ACB 80 E	24	0,37	15	3000	50	34	3/4"	160x155x326	12	RE 80249
ACB 80 E	230	0,37	-	2800	40	36	3/4"	161x134x300	11	RE 80161
ACB 80 E	230/400	0,37	-	2800	40	36	3/4"	161x134x300	11	RE 80337
ACB 90 E	24	0,44	18	2800	50	35	1"	185x155x340	15	RE 80209
ACB 90 E	230	0,55	-	2800	50	42	1"	183x136x315	14	RE 80213
ACB 90 E	230/400	0,55	-	2800	50	42	1"	183x136x315	14	RE 80338



## ACB 331 - ACB 332 - ACB 431

Model	Voltage V	Power Kw	Absorp A	RPM	Max Delivery L/min	Prev. MAX m	Ports inches	Dimensions H x L x D mm	Weight Kg	Code
ACB 331-1	24	0,9	38	1500	150	25	1" 1/4"	190x175x445	28	RE 80339
ACB 331-2	24	1,1	46	1500	150	33	1" 1/4"	217x175x470	35	RE 80340
ACB 331-B	230	1,5	-	1450	140	36	1" 1/4"	255x175x465	30	RE 80341
ACB 331-B	230/400 T	1,5	-	1450	140	36	1" 1/4"	225x175x465	30	RE 80342
ACB 332	24	1,5	-	1500	130	45	1" 1/4"	300x200x540	45	RE 80355
ACB 332-B	230	2,2	-	1450	140	55	1" 1/4"	270x193x530	38	RE 80343
ACB 332-B	230/400 T	2,2	-	1450	140	55	1" 1/4"	240x193x530	38	RE 80344
ACB 431	24	1,5	63	1500	230	30	1" 1/2"	225x220x530	40	RE 80345
ACB 431-C	230/400 T	3	-	1450	210	46	1" 1/2"	260x200x525	45 - 47	RE 80361
ACB 431-B	230	2,2	-	1450	210	35	1" 1/2"	290x200x525	46	RE 80346
ACB 431-B	230/400 T	2,2	-	1450	210	35	1" 1/2"	260x200x525	46	RE 80347

# SELF PRIMING MOTOR PUMPS

## SELF PRIMING MOTOR PUMPS

APPLICATIONS: intake diesel oil, intake liquids (sea and fresh water)

Grey water discharge (galley and shower), bilge

Self-priming REVERSIBLE el/pumps Supplied with star impeller (possible to invert the flow)

High self-priming capacity (up to 9 M.)

(Excluded CP20G and CP30G model)

Body pump and star impeller in bronze

Shaft: AISI 316 stainless steel

Mechanical seal of high quality thanks to stainless steel, graphite and ceramic

We suggest to install a filter and a clapet valve on the suction pipe



RE 80354



RE 80356

### CP 12V - CP 24V

Model	Voltage V	Power Kw	Absorp. A	RPM	Max Delivery L/min	Prev. MAX m	Ports inches	Dimensions mm	Weight Kg	Code
CP20/A1	12	0,20	28	2600	45	11	3/4"	150x120x210	7	RE 80348
CP20/A1	24	0,18	13	2800	45	12	3/4"	143x120x235	6	RE 80349
CP20/A2	24	0,30	18	2800	60	13	3/4"	150x120x210	7	RE 80351
CP26/A2	12	0,37	46	1600	75	15,5	1"	160x140x300	11	RE 80352
CP26/A2	24	0,37	22	1600	75	16,5	1"	160x140x300	10	RE 80083
CP26/A1	24	0,20	16	1500	60	12	1"	160x140x300	9	RE 80354
CP30/A1	24	0,45	28	1500	90	20	1"	190x140x355	14	RE 80289
CP40	24	0,75	45	1500	145	16	1 1/2"	215x180x370	26	RE 80218
CP40-100	24	1,5	85	1400	265	20	1 1/2"	255x190x490	51	RE 80356

### CP 230V 50HZ MONOPHASE

Model	Voltage V	Power Kw	Hz	RPM	Max Delivery L/min	Prev. MAX m	Ports inches	Dimensions mm	Weight Kg	Code
CP20 G	230	0,25	50	2800	60	14	3/4"	143x120x260	6,5	RE 80357
CP26/A1	230	0,37	50	1450	60	16	1"	160x140x300	12	RE 80358
CP40	230	1,1	50	1450	175	14	1 1/2"	215x180x370	28	RE 80359
CP40-140	230	2,2	50	1450	300	20	1 1/2"	255x190x455	48	RE 80362

ON REQUEST 230 / 400V three-phase or 60Hz



### SELF-PRIMING GEAR PUMPS

Applications: Intake of lubricant and diesel oil, fuel and similar liquids up to 6°E viscosity (only for model IN12)

Body pump: Cast iron – Gears: steel – enbloc with special shaft

#### “IN” SERIES

Model	Voltage V	Power KW	Absorp MAX	Delivery l/min	Ports inches	Manom H. m	Dimensions mm	Weight kg	Code
IN 12	12	0,25	32 A	10	1/2”	20	140x140x285	8	RE 80263
IN 12	24	0,25	12 A	10	1/2”	20	140x140x285	8	RE 80264

#### “PQ” SERIES

Model	Voltage V	Power KW	RPM	Delivery L/min	Ports inches IN OUT	Manom H. m	Dimensions mm	Weight Kg	Code
PQ 15	24	0,37 Kw	1450	15	1/2” 1/2”	50m	155x185x415	18	RE 80380
PQ 20	24	0,55 Kw	1450	20	3/4” 3/4”	50m	155x185x460	20,0	RE 80382
PQ 30	24	0,75 Kw	1450	30	3/4” 3/4”	50m	195x205x515	30,0	RE 80381
PQ 40	230	1,1 Kw	1450	40	1” 1”	50m	220x205x550	35	RE 80383
PQ 50	230	1,1 Kw	1450	50	1” 1”	50m	240x205x550	37	RE 80384
PQ 60	230	1,5 Kw	1450	60	1” 1”	50m	250x210x565	40	RE 80385
FQ 50	230	1,1 Kw	1450	50	1” 1”	50m	195x153x542	23	RE 80331



PQ 20



### CB SERIES CENTRIFUGAL ELECTRIC PUMPS

CONTINUOUS DUTY, NOT SELF-PRIMING

Applications: distribute clean water (fresh or sea water) at continuous duty, sanitary plants, conditioning system, water supply, heating, cooling and circulation plants

Body pump: bronze. Impeller: special brass alloy. Shaft: AISI 316 stainless steel

Mechanical seal: high quality on ceramic, graphite inox

#### CB 24V

Model	Voltage V	Power KW	Absorp MAX	Delivery l/min	Ports inches	Manom H. m	Dimensions mm	Weight kg	Code
CB 160 RE	24	0,2	8	40	1/2”	7	135x125x270	5	RE 80252
CB 22 -120 E	24	0,55	32	125	1”	23	160x175x330	12	RE 80254
CB 25/16 B	24	1,1	60	200	1”	29	290x200x380	25	RE 80256



#### CB 230V 50HZ

Model	Voltage V	Power Kw	Delivery L/min	Ports inches IN OUT	Manom H. m	Dimensions mm	Weight Kg	Code
CB 160 E	230	0,15	40	1/2” 1/2”	5	135x125x270	5	RE 80376
CB 22 -120 E	230	0,55	100	1” ”	21	160x175x330	12	RE 80378
CB 25/16B	230	1,1	160	1” 1/2” 1”	31	290x200x380	25	RE 80379
CB 25/16B	230/400 T	1,5	160	1” 1/2” 1”	31	290x200x380	25	RE 80333



### CC DIRECT CURRENT ENGINES

Applications: cooling plants, compressor, pumps, blowers and traction system With permanent magnet motor. The full-load torque is up to 10 times the nominal torque. Degree of protection: IP 22

Model MP	Voltage V	Power KW	Absorp MAX	RPM	IP	Dimensions mm	Weight kg	Code
MP 71 S2	12	0,3	18 A	1500	22	128x145x195	5	RE 80260
MP 71 S2	24	0,3	8 A	1500	22	128x145x195	5	RE 80261
MP 71 M4	24	0,3	19 A	1500	22	128x145x256	8,5	RE 80262

# SINGLE SCREW MOTOR DRIVEN PUMPS



## SINGLE SCREW MOTOR DRIVEN PUMPS MVG SERIES

FOR SOLID LIQUID

Applications: emptying of waste, gravel pump, to pump liquid with small part in suspension

Positive displacement pumps with a metal single-thread helical rotor

Body pump: bronze

Screw rotor t: AISI 316 stainless steel

It is important to check the rotation sense to avoid the rotor to unscrew in case working in the anti-clockwise sense



Model	Voltage V	Power Kw	Absorp A	RPM	Max Delivery L/min	Prev.MAX m	Ports inches	Dimensions mm	Weight Kg	Code
MV44G	12	0,30	38	1450	50	28m	1"	171x145x428	17	RE 80365
MV44G	24	0,30	19	1450	50	28m	1"	171x145x428	17	RE 80099
MV44G	230	0,55	-	1450	50	40m	1"	204x155x443	15,5	RE 80366
MV44G	230/400 T	0,55	-	1450	50	40m	1"	204x155x443	15,5	RE 80367

## SINGLE SCREW MOTOR DRIVEN PUMPS

FOR SOLID LIQUID

These el/pumps are positive displacement pumps,

They are based on a metal single-threaded helical rotor

Turning in a rubber double-thread helical stator

the pump can carry all kinds of fluids,

dirty, viscous and with small parts in suspension

Being a self-priming pumps, it is necessary, only at the first start, to

Fill the body pump of water to lubricate the stator and to have the priming

We suggest to install a clapet no-return valve on the suction pipe

On request available for diesel transfer



Model	Voltage V	Power Kw	RPM	Max Delivery L/min	Press Bar	Ports inches	Dimensions mm	Weight Kg	Code
MVI 60	24	0,88	1450	55-51	1-2	1" 1/2"	193x200x565	26	RE 80368
MVI 60	230	1,1	1450	55-45	1-3	1" 1/2"	223x200x580	24	RE 80369
MVI 60	230/400 T	1,1	1700	55-45	1-3	1" 1/2"	233x200x580	24	RE 80370
MVI 80	24	1,1	1450	95-61	1-3	2"	240x200x660	33	RE 80371
MVI 80	230	1,5	1450	98-64	1-3	2"	235x200x660	30	RE 80372
MVI 80	230/400 T	1,5	1700	98-64	1-3	2"	235x200x660	30	RE 80373
MVI 100	230/400 T	1,5	1500	130-90	1-2	2"	235x200x670	35	RE 80375

NB: IN CASE OF ASPIRATION FROM ABOVE an elbow pipe can be supplied

# CENTRIFUGAL MOTOR PUMPS



## ACM-BT SERIES CENTRIFUGAL ELECTRIC PUMPS

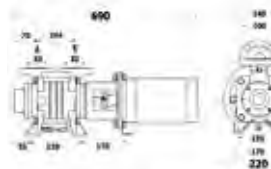
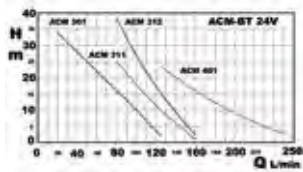
SELF PRIMING IN BRONZE

Whit star impeller and an outstanding self priming capacity

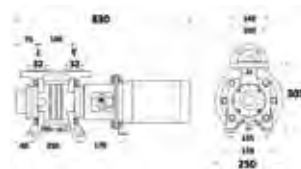
APPLICATIONS: bilge, chain washing, fire-fighting, intake diesel oil and liquids system supplying. Body pump: bronze. Impeller: bronze

Shaft: AISI 316 stainless steel

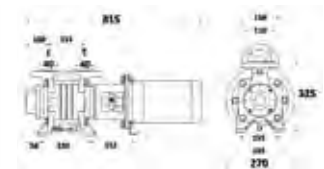
Mechanical seal of high quality thanks to stainless steel, graphite and ceramic  
We suggest to install a filter and a clapet valve on the suction pipe



RE 80251



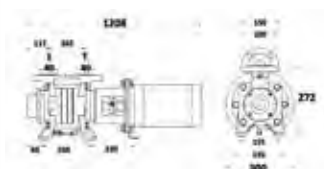
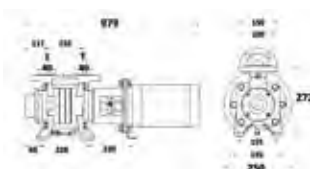
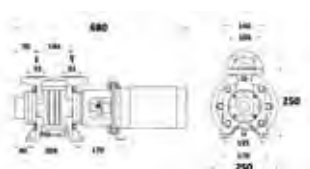
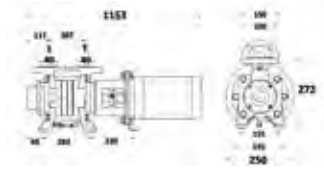
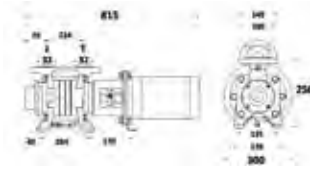
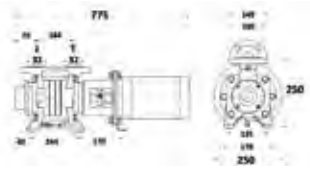
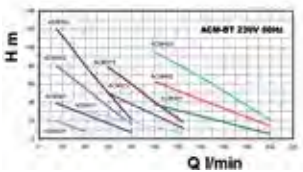
RE 80321



RE 80322

### ACM-BT 24 DIRECT CURRENT

Model ACM-BT	Voltage V	Power Kw	Absorp MAX	RPM	Max Delivery L/min	Ports mm	Max Manometric Head m	Dimensions mm	Weight Kg	Code
ACM 311BT	24	1,5	60	1500	150	32	25	247x200x700	65	RE 80251
ACM 312BT	24	1,5	90	1500	130	32	46	247x250x790	75	RE 80321
ACM 401BT	24	1,5	90	1500	230	40	30	272x250x800	80	RE 80322



### ACM-BT ALTERNATING CURRENT

Model ACM-BT	Voltage V	Power Kw	Absorp MAX	RPM	Max Delivery L/min	Ports mm	Max Manometric Head m	Dimensions mm	Weight Kg	Code
ACM 311BT	220	1,1	50 Hz	1450	130	32	30	247x210x660	55	RE 80163
ACM 312BT	220	2,2	50 Hz	1450	140	32	55	247x260x780	70	RE 80326
ACM 313BT	220	3	50 Hz	1450	130	32	78	247x260x830	76	RE 80327
ACM 401BT	220	2,2	50 Hz	1450	210	40	38	270x260x770	70	RE 80328
ACM 402BT	230/400 T	4	50 Hz	1450	210	40	70	270x285x860	85	RE 80329
ACM 501BT	230/400 T	4	50 Hz	1450	400	50	36	325x285x820	90	RE 80323
ACM 502BT	230/400 T	9,2	50 Hz	1450	400	50	83	325x320x1100	125	RE 80324

60Hz or TRIPHASE ENGINE AVAILABLE ON REQUEST

# WATER PRESSURE SYSTEM

## WATER PRESSURE SYSTEM WITH AUTOMATIC RUNNING

Applications: pressure water distribution on board.

Supplied with manometer, pressure switch and no-return valve.

The tank is supplied with the stainless steel AISI 316 flange and the butyl rubber fixed membrane anti-water hammer.

Self-priming electric pump with star impeller (quick priming).

Body pump: bronze.

Impeller: special brass alloy.

Shaft: AISI 316 stainless steel.



### IDROMINI ACB

Model	Volt V	Power Kw	Absorp A	Sheet tank	Ports inches	Delivery L/min	Press max	Pressure Switch adg	Dimensions mm	Weight Kg	Code
ACB 61 G	12	0,15	18	2L	1/2"	22	2,2	0,9-1,6	240x180x300	9	RE 80281
ACB 61 G	24	0,15	8	2L	1/2"	22	2,2	0,9-1,6	240x180x300	9	RE 80255
ACB 80 E	24	0,37	22	5L	3/4"	50	3	1,4-2,8	350x170x410	18	RE 80350

### IDROMINI ECOJET

Model	Volt V	Power Kw	Absorp A	Sheet tank	Ports inches	Delivery L/min	Press max	Pressure Switch adg	Dimensions mm	Weight Kg	Code
ECOJET	12	0,30	30	5L	1"	45	2,6	1,2-2	130x190x525	15	RE 80093/12
ECOJET	24	0,30	16	5L	1"	45	3	1,4-2,4	130x190x525	15	RE 80093/24
ECOJET 2	230	0,37	-	5L	1"	55	2,5	1,5-2,8	130x190x525	15	RE 80353

### IDRO ECOJET

Model	Volt V	Power Kw	Absorp A	Sheet tank	Ports inches	Delivery L/min	Press max	Pressure Switch adg	Dimensions mm	Weight Kg	Code
ECOJET 1B	12	0,30	30	20 L	1"	45	2,6	1,2-2	600x255x590	19	RE 80316
ECOJET 1B	24	0,30	16	20 L	1"	45	3	1,4-2,4	600x255x590	19	RE 80317
ECOJET 2B	24	0,37	21	20 L	1"	55	3,5	1,5-2,8	590x255x590	20	RE 80318
ECOJET 2B	230	0,45	-	20 L	1"	55	3,5	1,5-2,8	590x255x590	20	RE 80319

B version for fresh water ; on request BB series for sea water

## SELF-PRIMING MOTOR PUMPS "ECOJET"

Applications: chain washing, fire fighting, water lifting, conditioning system, supply WC

The jet electric pumps series have a closed impeller Have an outstanding self-priming capacity

Body pump: bronze – Flange: Stainless steel Impeller: special brass alloy

Shaft: AISI 316 stainless steel. Mechanical seal: High quality on ceramic



Model	Volt V	Power Kw	Absorp MAX	Delivery l/min	Ports inches	Preval. m	Dimensions mm	Weight Kg	Code
ECOJET 1B	24	0,3	16	50	1"	28	158x160x400	11	RE 80268
ECOJET 2B	230	0,5	-	50	1"	36	158x160x400	12	RE 80269
JET 3B	24	0,55	36	70	1"	42	195x185x480	23	RE 80392
JET 4B	24	0,75	42	90	1"	35	195x185x485	24	RE 80393
JET 518	24	1,1	60	100	1" and 1,5"	47	225x215x630	39	RE 80394

B version for fresh water. On request BB series for sea water

# WATER PRESSURE SYSTEM



## WATER PRESSURE SYSTEM "IDRO ECOINOX" SERIES

Applications: pressure water distribution on board  
 Supplied with manometer, pressure switch and no-return valve  
 The tank is supplied with the stainless steel AISI 316 flange and the butyl rubber fixed membrane anti-water hammer  
 Self-priming electric pump with star impeller (quick priming)  
 Body pump: Steel – Impeller: tecnopolimere – Shaft: AISI 316 stainless steel

Model	Volt V	Power Kw	Absorp. A	Tank INOX 304	Ports inches	Delivery L/min	Press MAX	Pressure Switch adg	Dimensions mm	Weight Kg	Code
ECOINOX 1	12	0,30	30	20 L	1"	45	2,6 bar	1,2-2 bar	600x255x590	19	RE 80320
ECOINOX 1	24	0,30	16	20 L	1"	45	3 bar	1,4-2,4 bar	600x255x590	19	RE 80386
ECOINOX 2	24	0,37	21	20 L	1"	55	3,5 bar	1,5-2,8 bar	590x255x590	20	RE 80090
ECOINOX 2	230	0,45	-	20 L	1"	55	3,5 bar	1,5-2,8 bar	590x255x590	20	RE 80300



## WATER PRESSURE SYSTEM "IDROJET"

Applications: pressure water distribution on boat  
 Supplied with relays, manometer, pressure switch and non-return valve  
 The tank is supplied with the stainless steel flange and the butyl rubber fixed membrane anti-water hammer. Self priming el/pump with star impeller  
 Body pump: bronze – Impeller: special brass alloy – Shaft: stainless steel aisi 316

### IDROJET (20 L)

Model	Volt V	Power Kw	Absorp A	Steel tank	Ports IN - OUT	Delivery L/min	Press MAX	Pressure Switch adg	Dimensions mm	Weight Kg	Code
IDROJET 3	24	0,55	36	20 L	1" - 1"	70	4,2 bar	1,8-3,2 bar	610x255x650	33	RE 80387
IDROJET 3	230	0,55	-	20 L	1" - 1"	70	4,2 bar	1,8-3,2 bar	610x255x650	33	RE 80388
IDROJET 4	24	0,75	42	20 L	1" - 1"	80	3,5 bar	1,6-3 bar	610x255x650	33	RE 80272
IDROJET 4	230	0,75	-	20 L	1" - 1"	80	3,5 bar	1,6-3 bar	610x255x650	33	RE 80280
IDROJET 4R	24	0,85	50	20 L	1" - 1"	90	4,5 bar	2,5-3,5 bar	610x255x650	35	RE 80389
IDROJET 518	24	1,1	60	20 L	1" 1/2" - 1"	100	4,7 bar	2,5-3,9 bar	660x360x800	40	RE 80390
IDROJET 518	230	1,1	-	20 L	1" 1/2" - 1"	100	4,7 bar	2,5-3,9 bar	660x360x800	40	RE 80391



## CONTROL PRESS WATER PRESSURE SYSTEM

Electronic control: continuous pump running that avoid the "stop and go"  
 Cylindrical tanks are not necessary  
 Applications: pressure water distribution on board  
 Self diagnosis with alarm and three LED's for status indication (red, orange and green)  
 Automatic stop in case of no water  
 Automatic starting of the pump at the minimum value prefixed  
 It is suitable to install a flexible pipe on delivery point

Model	Volt V	Power Kw	Absorp. MAX	Delivery L/min	Ports inches	Press MAX	Dimensions mm	Weight Kg	Code
ECOJET 1B C.E.	12	0,3	30 A	45 l/min	1"	3	480x230x425	13	RE 80270
ECOJET 2B C.E.	24	0,37	22 A	55 l/min	1"	3,5	480x230x425	13	RE 80271
ECOINOX 1 C.E.	12	0,3	-	45 l/min	1"	3	470x230x425	8	RE 80395
ECOINOX 1 C.E.	24	0,3	-	45 l/min	1"	3	470x230x425	8	RE 80396
ECOINOX 2 C.E.	24	0,37	-	55 l/min	1"	3,5	470x230x425	9	RE 80397
ECOINOX 2 C.E.	230	0,37	-	55 l/min	1"	3,5	470x230x425	9	RE 80398
JET 4B	24	0,75	42 A	80 L/min	1"	3,5	480x260x500	22	RE 80399
JET 4B	220	0,75	-	80 l/min	1"	3,5	480x260x500	22	RE 80279

# WATER PRESSURE SYSTEM



## PAR-MAX WATER SYSTEM PUMPS

Supplied complete with pressure switch and trigger nozzle. Silent and continuous rating  
You don't need to install the tank anymore  
Chamber with 3 valves (mod. PAR-MAX 1.9 and 2.9)  
Hose barb fittings or female hose barb  
Thermal overload protection (PAR-MAX 1-3-4)

### WATER SYSTEM PUMPS 12V

Model	Volt. V	Delivery MAX	Absorp A	Ports mm inches	Press Bar	Manom. H. m	Dimensions mm	Weight kg	Code
PAR-MAX 1	12	4,3 l/min	1,9	9,5 3/8"		1	157 x 89 x 58	0,6	RE 80220
PAR-MAX 1,9	12	7 l/min	3,5	13 1/2"		1,8	229 x 105 x 121	1,4	RE 80014
PAR-MAX 2,9	12	11 l/min	4,4	13 1/2"	1 - 1,7	3	229 x 105 x 121	1,6	RE 80223
PAR-MAX 4	12	16,3 l/min	15	13 1/2"	1 - 1,7	3	250 x 106 x 100	2,8	RE 80038



### WATER SYSTEM PUMPS 24V

Model	Volt. V	Delivery MAX	Absorp A	Ports mm inches	Press Bar	Manom. H. m	Dimensions mm	Weight kg	Code
PAR-MAX 1,9	24	7 l/min	1,7	13 1/2"		1,8	229 x 105 x 121	1,4	RE 80015
PAR-MAX 2,9	24	11 l/min	2,2	13 1/2"	1 - 1,7	3	229 x 105 x 121	1,6	RE 80224
PAR-MAX 4	24	16,3 l/min	7	13 1/2"	1 - 1,7	3	250 x 106 x 100	2,8	RE 80039



## WATER PRESSURE PUMP VFLO 5.0

Constant pressure water pumps - Feature the revolutionary new DiMOND technology designed to automatically diagnose and monitor all aspects of your pump's performance to prevent system failure

Voltage V	Flow L/min	Absorption A	Port Type mm inches	Pressure Bar	Code
12	19	15	13 1/2"	25	RE 80148
24	19	10	13 1/2"	25	RE 80230



## PAR - MAX 7.0 WASHDOWN PUMP

Suitable for high pressure applications. Delivery up to 26 l/min  
Provided with Pumpguard filter. Fully compatible with seawater  
Silent, self-priming and dry running

Model	Voltage V	Delivery MAX l/min	Absorption MAX A	Pressure bar	Code
82600 - 0092	12	23	20	4,1	RE 80180
82600 - 0094	24	23	15	4,1	RE 80181
82600 - 0292	12	23	20	2,7	RE 80182
82600 - 0294	14	23	15	2,7	RE 80183



## DUAL MAX HYDRAULIC SYSTEM

Combined pumps with VSD hydraulic flux and a Par Max 4 System  
It can delivery 30l/m if needed. Homogenous and balanced flux, as requested  
Fixed water pressure  
Self-priming pump up to 3 m  
No accumulator tank requested

Model	Voltage V	Delivery MAX l/min	Absorption MAX A	Weight Kg	Code
31670 - 0092	12	30	320 x 220 x 220	6	RE 80192
31670 - 0094	24	30	320 x 220 x 220	6	RE 80193



# WATER PRESSURE SYSTEM

# FLOJET



## FLOJET PRESSURE CONTROLLED PUMPS

Compact. Silent  
Low absorption  
Duplex diaphragm design  
For intermittence use  
They don't need an accumulator tank

Model	Volt V	Delivery MAX	Absorp a 0,7 bar	Ports		Press. button		Dimensions mm	Weight kg	Code
				mm	inches	ON	OFF			
LF 12-22	12	4,3 l/min	1,9 A	9,5	3/8	1,5 bar	2,4 bar	162 x 89 x 58	0,6	RE 80231



## TRIPLEX AUTOMATIC WATER SYSTEM PUMP

Three chamber diaphragm design  
Self priming up to 3 m suction lift  
Anti-vibration system , very silent  
Special "snap-in" port fitting  
Pump able to run dry without damage  
Meets ISO 8846

Model	Volt V	Delivery MAX	Absorp a 0,7 bar	Ports		Press. button		Dimensions mm	Weight kg	Code
				mm	inches	ON	OFF			
R3426 - 148	12	7,6 l/min	3,5 A	12,5	1/2	MAX	1,7 bar	229 x 121 x 152	1,6	RE 80153
R3526 - 144	12	11 l/min	4,4 A	12,5	1/2	MAX	3,8 bar	229 x 121 x 152	1,6	RE 80154
R3426 - 344	24	11 l/min	2,2 A	12,5	1/2	MAX	1,7 bar	229 x 121 x 152	1,6	RE 80155



## "QUAD II DIAPHRAGM" WATER SYSTEM PUMPS

Four-piston design delivers higher flow rates  
High delivery. No pressure switch  
Self-priming up to 3 m vertical lift  
Manometric head 3 m  
Big ports 19 mm ID hose  
To combine with accumulator tanks between 8 and 22 lt

Model	Volt V	Delivery MAX	Absorp a 0,7 bar	Ports		Press. button		Dimensions mm	Weight kg	Code
				mm	inches	ON	OFF			
4405 - 143	12	12,5 l/min	3,9 A	12,5	1/2	MAX	2,5 bar	208 x 160 x 95	1,8	RE 80233
4405 - 343	24	12,5 l/min	2 A	12,5	1/2	MAX	2,5 bar	208 x 160 x 95	1,8	RE 80234
4325 - 143	12	17 l/min	6 A	19	3/4	MAX	2,8 bar	252 x 160 x 95	2,8	RE 80156
4325 - 343	24	17 l/min	2,5 A	19	3/4	MAX	2,8 bar	252 x 160 x 95	2,8	RE 80157



### BILGE PUMP (NON-AUTOMATIC)

Corrosion resistant, easy cleaning. Powerful and reliable. Fitted base  
Non-automatic and automatic model. CE and ISO 8849 approvals

12V PUMPS	Capacity GPH	Capacity Liters/h	Model Rule	Voltage V	Absorp A	Ports mm	Dimensions mm	Pict.	Weight gr	Code
	360	1363	24	12	2,5	19	60,3 x 89 1	1	260	RE 80201
	500	1893	25 D	12	2,5	19	60,3 x 89 1	1	260	RE 80203
	800	3028	20 R	12	4	19	60,3 x 95,2	1	280	RE 80275
	1000	3180	20 A	12	4,5	28,6	73 x 73 x 102	2	400	RE 80205
	1100	4164	27 D	12	5	28,6	60,3 x 108	1	280	RE 80206
	1500	5678	02	12	7	28,6	108 x 152	3	1200	RE 80214
	2000	7561	10	12	12	28,6	108 x 152	3	1300	RE 80215
3700	14350	14A	12	18	38	125 x 185	4	2400	RE 80025	

24V PUMPS	Capacity GPH	Capacity Liters/h	Model Rule	Voltage V	Absorp A	Ports mm	Dimensions mm	Pict.	Weight gr	Code
	500	1893	26 D	24	1,3	19	60,3 x 89 1	1	260	RE 80203/24
	800	3028	21 R	24	2	19	60,3 x 95,2	1	280	RE 80276
	1100	4250	28 D	24	2,5	28,6	60,3 x 108	1	280	RE80206/24
	1500	5800	03	24	3,5	28,6	108 x 152	3	1200	RE 80214/24
	2000	7561	12	24	6	28,6	108 x 152	3	1300	RE 80215/24
	3700	14350	16 A	24	9	38	125 x 185	4	2400	RE 80026
	4000	15500	56 D-24	24	10	51	124 x 196	4	2500	RE 80219



### "RULE MATE" BILGE PUMP

No power wasted until the pump activates. They allow a better bilge emptyng. Oval shaped; compact figure.  
Feature both a pump and noon-mercury float switch in a single, compact housing.  
Right for small vessels

12V PUMPS	Capacity GPH	Capacity Liters/h	Model Rule	Voltage V	Absorp A	Ports mm	Dimensions mm	Pict.	Weight gr	Code
	500	1925	RM 500	12	1,9	19	127 x 101	6	370	RE 80277
	750	2900	RM 7500	12	2,8	19	127 x 101	-	370	RE 80204
	1100	4250	RM 1100	12	3,3	28,6	127 x 101	5	400	RE 80207

24V PUMPS	Capacity GPH	Capacity Liters/h	Model Rule	Voltage V	Absorp A	Ports mm	Dimensions mm	Pict.	Weight gr	Code
	500	1925	RM 500-24	24	1	19	127 x 101	6	370	RE 80277/24
	750	2900	RM 750-24	24	1,4	19	127 x 101	-	370	RE 80204/24
	1100	4250	RM 1100-24	24	1,4	28,6	127 x 101	5	400	RE 80207/24

### AUTOMATIC BILGE PUMPS

Fully automatic .computerized. No bilge float switch is necessary  
The pumps activates ciclycally each 2,5 min. for only one second for perceiving the water  
If there is water, the pump keeps turning and intaking  
Low consumption waste for test



Capacity GPH	Capacity Liters/h	Model Rule	Voltage V	Absorp A	Ports mm	Dimensions mm	Pict.	Weight gr	Code
500	1893	25 S	12	2,5	19	60,3 x 102	7	310	RE 80202
1500	5678	51 S	12	7	28,6	108 x 152	8	2500	RE 80208
3700	14010	55 S	12	15,5	38	124 x 184	9	2500	RE 80278



### BILGE PUMPS

Corrosion resistant. Body can be dismantled by a simple snap off movement.  
Not automatic models. It can be used a floating switch.  
Very silent, body in nylon.

Model	Volt V	Delivery l/m	Absorption A	Ports mm	inches	Dimensions mm	Weight gr	Code
1200	12	27	2	19	3/4"	Ø75 x 105	350	RE 80001
4500	12	75	4	29	1 1/8"	Ø120 x 145	600	RE 80096
8500	12	140	8	29	1 1/8"	Ø120 x 165	1800	RE 80002
8500	24	140	4,5	29	1 1/8"	Ø120 x 165	1800	RE 80003



### SUBMERSIBLE BILGE PUMPS

Bilge pumps.  
Body in robust ABS, corrosion resistant.

Model	Volt V	Prevalence m	Ports mm	Delivery L/min	Absorption A	Fuse A	Dimension mm	Code
UP500	12	4	19	32	2,5	5	94,5 x Ø59	RE 80470
UP500	24	4	19	32	1,2	3	94,5 x Ø59	RE 80471
UP1000	12	4	28,6	63	4	10	124,7 x Ø78	RE 80472
UP1000	24	4	28,6	63	2	5	124,7 x Ø78	RE 80473
UP1500	12	4	26,5	95	10	20	160 x Ø96	RE 80474
UP1500	24	4	26,5	95	5	10	160 x Ø96	RE 80475
UP2000	12	4	31,8	126	12	25	200 x Ø96	RE 80476
UP2000	24	4	31,8	126	6	15	200 x Ø96	RE 80477
UP3700	24	5	31,8	233	6	10	202 x Ø110	RE 80478



### AUTOMATIC BILGE PUMP

Compact, all-in-one unit. Integrated snap sensing switch into the pump body  
No Mercury. Removable clip on basket design. 3-wire device can be run in auto or manual override mode.  
No tools needed for maintenance. Extremely energy efficient. Water-cooled motor for long service intervals  
Meets the international standard, ISO 8846 marine.

Model	Volt V	Delivery l/min	Ports Ø mm	Absorption A	Dimensions mm	Code
500	12	32	19	1,8	151x78x95	RE 80122
700	12	60	19	3	151x78x95	RE 80124
700	24	60	19	1,2	151x78x95	RE 80125
1100	12	80	29	4	151x78x95	RE 80126
1100	24	80	29	2,2	151x78x95	RE 80127



### SELF PRIMING DIAPHRAGM PUMP

Applications:, emptying the bilge  
Base and support in Nylon  
The pump can work without water for short periods without damage

Model	Volt V	Delivery L	Absorption A	Ports mm	inches	Dimensions mm	Preval. m	Weight gr	Code
Pump	12	18	6,5	19	1/2"	155x100x150	2,5	2500	RE 80006
Pump	24	18	3,5	19	1/2"	155x100x150	2,5	2500	RE 80007



### BRONZE "PUPPY" PUMPS

Body in bronze, flexible impeller design, Very robust and silent

Connection for 3/8" BSP male threads (mini puppy)

Connection for 1/2" NPT male threaded (water puppy and maxi puppy)

Model	Voltage V	MAX Delivery l/min	Absorption A	Ports mm	inches	Dimension mm	Weight kg	Code
MINI	12	7 l/min	6	12,5	hose	85 x 110 x 175	2	RE 80144
MINI	24	7 l/min	3	12,5	hose	85 x 110 x 175	2	RE 80145
WATER 2000	12	35 l/min	13	Gas	inches 1/2	86 x 120 x 194	2	RE 80012
WATER 2000	24	35 l/min	7,5	Gas	inches 1/2	86 x 120 x 194	2	RE 80013
MAXI 3000	12	45 l/min	21	Gas	inches 1/2	86 x 120 x 219	3,7	RE 80146
MAXI 3000	24	45 l/min	11	Gas	inches 1/2	86 x 120 x 219	3,7	RE 80147

IMPELLER FOR WATER PUPPY 2000

RE 80012/K



### SHOWER DRAIN PUMP

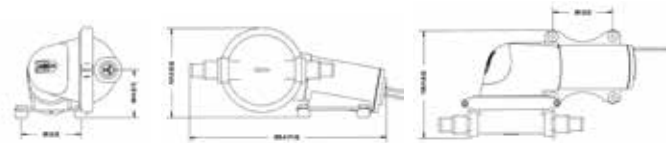
MULTIPOSITIONAL PUMP HEAD

Flexible installation

Compact and simple design

Capable of extensive dry running

Filter less



Model	Voltage V	MAX Delivery l/min	Absorption A	Ports mm	inches	Dimension mm	Weight kg	Code
50880	12	14 l/min	8	19	3/4	293 x 131 x 158	2	RE 80188
50880	24	14 l/min	2,5	19	3/4	293 x 131 x 158	3	RE 80189



### WASTE PUMP

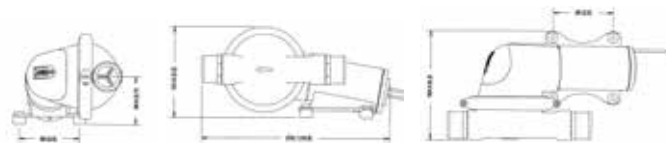
MULTIPOSITIONAL PUMP HEAD

Flexible installation

Compact and simple design

Capable of extensive dry running

Filter less



Model	Voltage V	MAX Delivery l/min	Absorption A	Ports mm	inches	Dimension mm	Weight kg	Code
50890	12	19 l/min	8	38	1 1/2	278 x 131 x 160	2	RE 80190
50890	24	19 l/min	2,5	38	1 1/2	278 x 131 x 160	3	RE 80191



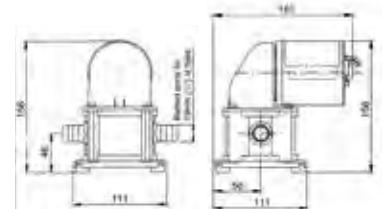
### ELECTRIC DIAPHRAGM PUMPS

Corrosion resistant

Right for small vessels

Self-priming up to 2 m vertical lift

Connections for 3/4" (19mm) Id hose



Model	Voltage V	MAX Delivery l/min	Absorption A	Ports mm	inches	Dimension mm	Weight kg	Code
37202 II°	12	13 l/min	7,5	19	3/4	187 x 136 x 153	2,5	RE 80016
37202 II°	24	13 l/min	6,5	19	3/4	187 x 136 x 153	2,5	RE 80017



### SELF PRIMING BILGE PUMP

Applications: right for cleaning deck, emptying the bilge, transfer fresh water  
Body: bronze

Model	Volt V	Delivery l/min	Absorption A	Ports mm	inches	Dimensions mm	Preval. m	Weight gr	Code
Little	12	30	7,5	19	1/2"	160 x 120 x 80	5	2100	RE 80004
Little	24	30	4	19	1/2"	160 x 120 x 80	5	2100	RE 80005
Big	12	45	12	19	1/2"	180 x 120 x 80	7	2300	RE 80068
Big	24	45	6	19	1/2"	180 x 120 x 80	7	2200	RE 80069



### ELECTRIC PUMP WITH RUBBER GEARS

Self-priming electric pump with rubber gears  
Fitted with waterproof cable guide and internal brush holder with EMI filter  
Ideal for bilge and waste water on any type of boat



Model	Volt V	Delivery l/min	Pressure bar	Absorption A	Self-priming m	Ports inches	Code
UP1-J	12	25	1	8	1.5	3/8 BSP	RE 80116
UP1-J	24	25	1	4	1.5	3/8 BSP	RE 80117
UP1	12	35	1	10	1.5	1/2 BSP	RE 80118
UP1	24	35	1	5	1.5	1/2 BSP	RE 80119
UP1-M	12	45	1,5	14	1.5	1/2 BSP	RE 80120
UP1-M	24	45	1,5	7	1.5	1/2 BSP	RE 80121



### ELECTRIC PUMP WITH BRONZE GEARS

Applications: transfer of various liquids (intermittent use)  
Self priming electric pump with bronze gear  
Body: OT58 brass  
Gear: bronze  
Shaft: aisi 303 stainless steel  
Seal: rubber lip seal Motor: permanent magnets with brushes  
Ports: 3/8" BSP inner thread and Ø14 mm bore hose connections  
Degree of protections: IP55




Model	Volt V	Delivery l/min	Absorption A	Self-priming	Ports mm	inches	Dimensions mm	Weight Kg	Code
UP2	12	10	2,8-3,2	1,5m	12	3/8"	128 x 114 x 73	1,2	RE 80128
UP2	24	10	1,4-1,6	1,5m	12	3/8"	128 x 114 x 73	1,2	RE 80135
UP3	12	15	5-6	1,5m	12	3/8"	170 x 167 x 95	1,5	RE 80028
UP3	24	15	3-4	1,5m	12	3/8"	170 x 167 x 95	1,5	RE 80029
UP6	12	26	9-11	1,5m	16	1/2"	199 x 174 x 108	3,1	RE 80030
UP6	24	26	5-6	1,5m	16	1/2"	199 x 174 x 108	3,1	RE 80031
UP12	12	40	20	4m	16	1/2"	212 x 174 x 109	4,3	RE 80194
UP12	24	40	11	4m	16	1/2"	212 x 174 x 109	4,3	RE 80195
UP14	12	46	16	4m	19	3/4"	228 x 225 x 119	5,3	RE 80196
UP14	24	46	8	4m	19	3/4"	228 x 225 x 119	5,3	RE 80197



## ELECTRONIC WATER PRESSURE PUMPS

Voltage supply:12/24V  
Integrated check valve

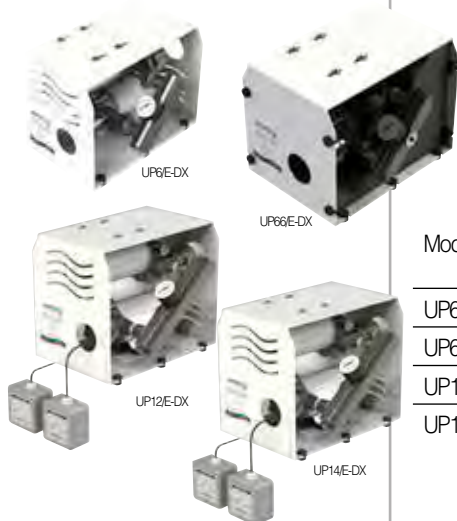
Model	Volt V	Delivery l/min	Pressure MAX Bar	Absorp. A	Self-priming m	Ports inches	Dimensions mm	Code
UP2/E	12/24	10	2	2,8 - 3,2	1	3/8"	169x116x73	RE 80136
UP3/E	12/24	15	2,5	5 - 6	1,5	3/8"	172x187x98	RE 80137
UP6/E	12/24	26	2,5	9-11	2	1/2"	240x213x108	RE 80138
UP12/E	12/24	36	3	18-19	3	1/2"	250x213x108	RE 80139
UP14/E	12/24	46	2,5	18-9	3	3/4"	256x225x119	RE 80140



## SHOWER KIT

Shower kit complete with self-priming pump with electronics control. Equipped with helical PTFE gears, nickl-plated brass body and connections, integrated check valve. Complete with 4m white hose with screw connetcions and hand washer equipped with built-in white container. The kit is especially suitable for yachts, rubber dinghies and sailing boats.

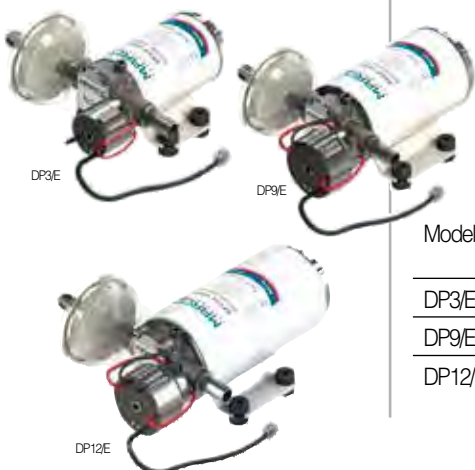
Model	Volt V	Delivery l/min	Pressure bar	Absorp. A	Self-priming m	Ports inches	Dimensions mm	Code
SP2	12/24	10	1,5	5	1	3/8 BSP	162x105x73	RE 80115



## SELF-PRIMING AUTOCLAVES

Self-priming water pressure systems with two connected pumps with electronic control Speed motor related to the flow rate. Reduced consumption and noise. Accumulator tank is not required. Protected against overloads. Pump functions monitored by 2 led. "Empty tank" signal and shut-off device.

Model	Voltage. V	Flow rate l/min	Pressure MAX Bar	Consump. A	Self-priming m	Ports	Dimensions mm	Code
UP6/E-DX	24	52	3,5	8	1,5	3/4" BSP	300x235x282	RE 80295
UP66/E-DX	24	66	3,5	15	2	3/4" BSP	300x265x295	RE 80296
UP12/E-DX	24	72	2,5	20	3	1" BSP	300x265x297	RE 80297
UP14/E-DX	24	92	3,5	18	3	1" BSP	300x250x295	RE 80298



## DECK WASHING PUMP

Complete kits including an automatic self-priming electric pump equipped with helical PTFE gears, in-line filter, nickel plated brass body and check valve. Equipped with quick-click connection, stop-jet, check valve and trigger with jet regulation. The kit are particularly suitable for washing operations either with salt or fresh water

Model	Volt V	Pressure MAX bar	Consump. A	Self-priming m	Ports inches	Dimensions mm	Code
DP3/E	12/24	3	10	1,5	3/8" BSP	188,8x101x187	RE 80142
DP9/E	12/24	4,5	12	1,5	3/8" BSP	224x103x224	RE 80164
DP12/E	12/24	6	24	3	3/8" BSP	240x109x193	RE 80166

# PUMPS TRANSFER OIL AND DIESEL



## OCK1-E SERIES FOR REVERSIBLE OIL CHANGE

Compact size oil change and diesel transfer kit, fitted with an electronic control panel which guarantees variable speed of the motor in relation to the viscosity of the fluid, the possibility of reversing the flow and a 12/24V universal voltage. Supplied with all necessary accessories.

Model	Voltage V	Self-priming m	Pressure bar	Delivery l/h			Absorp. A	Fusibile A	Ports	Code
				6 mm	8 mm	13 mm				
OCK1-E	12/24	1	2	20	60	330	6	7,5	3/8" BSP	RE 80024



## SELF-PRIMING ELECTRIC PUMP FOR LUBRICATING OILS DIESEL AND VISCOUS

Self-priming electric pump with bronze gears for transferring lubricating oils, diesel and viscous. Brass gears, pump body and connections in nicked brass, shaft in stainless steel - Seals in FKM and O-ring in NBR.

Model	Voltage V	Self-priming m	Pressure bar	Delivery l/h	Consump. A	Fuse A	Ports	Code
UP3/AC	220	1,5	6	10	0,8	1,25	3/8"	RE 80149
UP6/AC	220	1,5	5	28	1,7	3	1/2"	RE 80150
VP45/AC	220	1,5	1	35	0,3	1,25	25 mm	RE 80151



## PORTABLE KIT FOR DIESEL REFUELING

Self-priming impeller electropump provided with integrated by-pass valve. Body in aluminium with double connection. Carter with knob, on/off switch and battery clamps. Water pistol, 2.5m aspiration pipe with filter and 4m of outlet pipe.

Model	Voltage V	Self-priming m	Pressure bar	Delivery l/min	Consump. A	Fuse A	Ports mm	Code
VP45-K	12	1,5	1,2	45	8-19	20	25	RE 80046
VP45-K	24	1,5	1,2	45	4-9,5	10	25	RE 80047



## OIL CHANGE KIT

Kit with membrane panel, electronically controlled by a membrane panel. Designed for oil fill and drain operations. Electronic regulation according to oil viscosity/temperature. Automation block in case of empty tank, short circuit or after 30 minutes of operation.

Model	Voltage V	Self-priming m	Pressure bar	Delivery l/min	Absorp. A	Dimension mm	Inch fittings	Code
UP3-RK	12/24	1,5	2	15	4/2	159x166x101	3/8 BSP	RE 80042
UP6-RK	12/24	1,5	2	26	5/2,5	199x174x108	1/2 BSP	RE 80043



## ELECTRIC GEAR PUMP

Applications: transfer of lubricating oil or viscous liquids. Self-priming electric pump with bronze gear. Body: OT58 brass. Gear: bronze. Shaft: aisi 303 stainless steel. Seal: rubber lip seal. Motor: permanent magnets with brushes. Ports: two brass connections for Ø14 mm inner tube and one quick fit connection for 8mm external tubing. Degree of protection: IP 55.

Model	Volt V	Delivery l/h			Absorption A	Ports		Dimensions mm	Weight Kg	Code
		Ø6	Ø8	Ø14		p. rubber	rilisan			
UP2/OIL	12	18	54	200	2,3 - 2,7	12 mm	8 mm	128 x 106 x 73	1,2	RE 80177
UP3/OIL	12	20	60	330	5,5 - 6,5	14 mm	8 mm	149 x 99 x 86	1,4	RE 80168
UP4/OIL	24	20	60	330	2,5 - 3,5	14 mm	8 mm	149 x 99 x 86	1,4	RE 80169
UP6/OIL	24	25	75	480	3,5 - 4,5	14 mm	8 mm	166 x 99 x 94	2,5	RE 80178
UP12/OIL	24	360L/h(Ø12) 900L/h(Ø16)			5,5 - 6,5	16mm X2		195 x 122 x 109	4	RE 80179

Kit Rilsan tubing Ø 8mm and 6mm external 5 m

RE 80170

# FLOATING SWITCHES



## FLOATING SWITCH

Fully sealed. Against deflagration materials.



Model	Voltage V	Power MAX	External Dimensions MAX	Code
Ocean	10-32	15 A	110 x 70 x 50 mm	RE 80010



## ELECTRONIC SWITCHES FOR BILGE PUMPS

Operation by microcontroller. Advanced digital filter to detect the presence of water. Remote indication of operation status by led (optional). Manual remote pump switch-on by button (optional). Signal for prolonged bilge pump switch on (if led is installed). Protection against excessive battery rundown. Switch on (5 sec) switch off (20 sec) delay to avoid false. Switch-on switch-off cycling of the pump caused by the roll of the boat. Watertight case.



Model	Voltage V	Power MAX	External Dimensions MAX	Absorp. When idling	Sensor number	Code
EBSN 10	12-24	10 A	75 x 83 x 38 mm	7,5 mA	2 inox	RE 80105
EBSN 15	12-24	15 A	75 x 83 x 38 mm	7,5 mA	2 inox	RE 80106
EBSN 20	12-24	20 A	75 x 83 x 38 mm	7,5 mA	2 inox	RE 80107



## FLOATING SWITCH RULE-A-MATIC®

Quiet running. Fully sealed. Against explosion



Model	Voltage V	Power MAX	External Dimensions MAX	Code
35	10-32	14 A	114 x 38 x 51 mm	RE 80212



## FLOATING SWITCH "SUPER SWITCH"

For pump of high absorption. External material and electric contact of high quality. Cable with double insulation.



Model	Voltage V	Power MAX	External Dimensions MAX	Code
37	10-32	20 A	114 x 38 x 51 mm	RE 80235



## PLUS FLOATING SWITCH RULE-A-MATIC®

With external protection against collisions, rubbles and obstacles. Special wires covering, resistant to abrasions. The wire come out of the upper part of the float.



Model	Voltage V	Power MAX	External Dimensions MAX	Code
40	10-32	20 A	65 x 123 x 70 mm	RE 80211



## FLOATING SWITCH "HYDRO AIR"

Ultra reliable bilge switch. Its particular structure avoids the installation of mobile parts on the bilge. When the water level increases, the air is pulled into the pipe (length 3 m). Against explosions (ISO 8846). The air activates the diaphragm switch which is always out of the water.



Model	Voltage V	Power MAX	External Dimensions MAX	Switch		Code
				ON	OFF	
Hydro Air	12	20 A	78 x 140 x 47 mm	55 mm	25 mm	RE 80216
Hydro Air	24	10 A	78 x 140 x 47 mm	55 mm	25 mm	RE 80217



## FLOATING SWITCH



Model	Voltage V	Power MAX	External Dimensions MAX	Code
AS3	10-32	10 A	113 x 83 x 62 mm	RE 80097



# CONTROL SWITCH FOR BILGE PUMPS



## CONTROL SWITCH FOR BILGE PUMPS

In robust plastic material, waterproof.  
With fuse holder and 4 fuses of 5-10-20-30A.  
Carling switch with double indicator light at three position (AUTO-OFF-ON).  
Orange indicator light: shows that automatic mode is set.  
Red lights: shows whenever pumps run.



Model	Voltage V	Power MAX	Indicator lights	Fuse glass	IP	Dimensions mm	Inlet hole mm	Code
Bilge master	12-24	30 A	2	SI	65	100 x 60 x 65	55 x 45	RE 80011



## CONTROL SWITCH FOR BILGE PUMPS

Made of black, water-resistant stainless steel.  
With fuse holder for glass fuse 6,3x32 (not included).  
For use with automatically controlled bilge pumps.



Model	Voltage V	Power MAX	Indicator lights	Fuse glass	IP	Dimensions mm	Inlet hole mm	Code
41	12	20 A	1	6,3 x 32	65	83 X 51 x 65	51 x 83	RE 80221
42	24	10 A	1	6,3 x 32	65	83 X 51 x 65	51 x 83	RE 80222



## CONTROL SWITCH FOR BILGE PUMPS

In robust plastic material, waterproof.  
With fuse holder for glass fuse 6,3x32 (not included).  
3-way switch with red led indicator.



Model	Voltage V	Power MAX	Indicator lights	Fuse glass	IP	Dimensions mm	Inlet hole mm	Code
43	12	20 A	1	6,3 x 32	65	75 x 63 x 60	55 x 43	RE 80171
44	24	20 A	1	6,3 x 32	65	75 x 63 x 60	55 x 43	RE 80172



## CONTROL SWITCH FOR BILGE PUMPS

Reduced dimensions.  
In stainless steel.  
3-way toggle switch (AUTO-OFF-ON).



Model	Voltage V	Power MAX	Indicator lights	Fuse glass	IP	Dimensions mm	Inlet hole mm	Code
45	12-24	20 A	NO	NO	65	58 x 51 x 45	35 x 25	RE 80210



## CONTROL SWITCH FOR BILGE PUMPS IP67

Aluminium panel with.  
3-way carling switch (AUTO-OFF-ON).  
With watertight fuse holder.  
Included 15A glass fuses. Max power: 20A at 12Vdc - 15A at 24Vdc.  
Vertical installation.



Model	Voltage V	Power MAX	Indicator lights	Fuse glass	IP	Dimensions mm	Inlet hole mm	Code
VERTICAL	12-24	20 (15) A	1	6,3 x 32	67	58 x 95 x 45	30 x 65	RE 80108



### WATER DEPURATION FILTER

Housing in nickel brass  
Filter in stainless steel  
Cover in transparent polycarbonate  
Available at 3/8", 1/2" and 3/4"

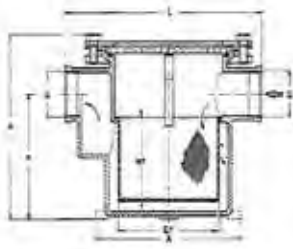
Connections inches	Delivery l/h	Dimensions mm	Materials	Approval	Code
3/8	-	105x99	Nickel brass	RINA	RE 80087
1/2	2550	105x99	Nickel brass	RINA	RE 80088
3/4	4750	105x99	Nickel brass	RINA	RE 80089



### WATER FILTERS

Applications: cooling sea water  
They are installed on the motor water intake  
Body in nickel-plated brass, cover in transparent polycarbonate  
Stainless steel aisi 316 filter  
R.I.N.A approvals

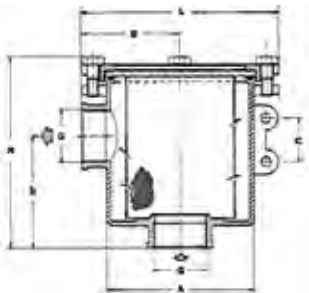
Connections inches	Delivery l/h	Dimensions mm	Weight Kg	Materials	Approval	Code
3/8"	1230	Ø 110 x 140	2,5	Nickel-plated brass	RINA	RE 81065
1/2"	1740	Ø 110 x 140	2,5	Nickel-plated brass	RINA	RE 81066
3/4"	2880	Ø 146 x 160	3	Nickel-plated brass	RINA	RE 81067
1"	4580	Ø 146 x 160	3,5	Nickel-plated brass	RINA	RE 81068
1" 1/4	6000	Ø 170 x 215	6	Nickel-plated brass	RINA	RE 81069
1" 1/2	7200	Ø 170 x 215	6	Nickel-plated brass	RINA	RE 81070
2"	8640	Ø 188 x 235	6	Nickel-plated brass	RINA	RE 81071
2" 1/2	12000	Ø 230 x 280	12	Nickel-plated brass	RINA	RE 81072
3"	15400	Ø 230 x 315	15	Nickel-plated brass	RINA	RE 81073
4"	20000	Ø 220 x 410	18	Nickel-plated brass	RINA	RE 81079



### WATER FILTERS

Applications: cooling sea water  
They are installed on the motor water intake  
Body in nickel-plated brass, cover in transparent polycarbonate  
Stainless steel aisi 316 filter  
R.I.N.A approvals

Connections inches	Delivery l/h	Dimensions mm	Weight Kg	Materials	Approval	Code
3/4"	3000	Ø 108 x 143	3	Nickel-plated brass	RINA	RE 81074
1"	5000	Ø 108 x 143	3,5	Nickel-plated brass	RINA	RE 81075
1" 1/4	8000	Ø 134 x 175	6	Nickel-plated brass	RINA	RE 81076
1" 1/2	12000	Ø 134 x 175	6	Nickel-plated brass	RINA	RE 81077
2"	19000	Ø 165 x 210	6	Nickel-plated brass	RINA	RE 81078



**PUMPGUARD**

Simply installed. Prevents unnecessary pump breakdowns.  
Plastic body, 40 mesh stainless steel screen.  
Screw off top allows quick in place cleaning and removal of debris.  
Transparent housing allows instant inspection.

**FLOJET**

Model	Connections		Inlet hole mm	Dimensions mm	Code
	mm	inches			
IN LINE FILTER	13	1/2"	Ø9	72 x 122 x 58	RE 81046
IN LINE FILTER	19	3/4"	Ø 13,5	72 x 122 x 58	RE 81047

**IN LINE NON RETURN VALVES**

Prevent backflow of water into the bilges  
Simply fit into hand or electric pumps

Model 29295-1011 In line non-return valve for 3/4" (19mm). RE 80132

Model 29295-1000 In line non-return valve for 1" (25mm). RE 80133

Model 29295-1010 In line non-return valve for 1 1/2" (38mm). RE 80134

**BILGE STRAINERS**

Stop bilge debris blocking inlet suction hose  
Reduce the risk of debris entering and blocking the pump  
Re-positional ports allow horizontal, vertical or sideways hose attachment



Model	Weight kg	Dimensions mm	Ports		Code
			mm	inches	
29290-1020	0,1	170x72x60	19	3/4	RE 81062
29290-1000	0,1	170x72x60	25	1	RE 81063
29290-1010	0,1	170x72x60	38	1 1/2	RE 81064

**AQUA FILTA**

It absorbs dissolved impurities freshening and cleaning the water.  
Beneficial mineral salts are retained. Initial flow capacity up to 14 lpm.  
Replacement filter cartridge available on request.



Item	Model	Weight kg	Dimensions mm	Max Pressure bar	Code
Filter	59000-1000	0,5	230x140x100	4,3	RE 81048
Spare part	59100-0000	0,5	230x140x100	4,3	RE 81049

**ACCUMULATOR TANKS**

Reduce the frequency of clutch or unclutch of the pump.  
Regularize the water pressure of the system. Longer pump life, lower battery drain.

Model	Type	Material	Press Max	Dimensions	Weight	Code
1,2 LITER	Pressurized tank	Plastic	7 bar	Ø100 x 350 mm	0,7 Kg	RE 81050
2 LITER	Tank	Stainless steel	7 bar	Ø150 x 330 mm	1,7 Kg	RE 80159
5 LITER	Tank	Sheet metal	10 bar	Ø200 x 330 mm	3,75 Kg	RE 80067
20 LITER	Tank	Stainless steel	10 bar	Ø300 x 270 mm	5,6 Kg	RE 80160



### FLEXIBLE IMPELLER

Are subjected to usury, replace all impellers at least once every year.

Blades n°	Diameter Ø (A)	Height (B)	Hole Ø (C)	Drive type	Material insert	Impeller outline	Material impeller	Code
6	51 mm	22 mm	12,7 mm	1 - 2	Bronze	G	NEOPRENE	RE 81051
9	95 mm	63 mm	25 mm	7	Bronze	O	NEOPRENE	RE 81052
8	65 mm	50,2 mm	16 mm	7	Bronze	A	NEOPRENE	RE 81053
12	57 mm	31,5 mm	16 mm	7	Bronze	K	NEOPRENE	RE 81054
6	40 mm	19 mm	9,5 mm	1 - 2	Bronze	D	NEOPRENE	RE 81055
8	65 mm	75,4 mm	16 mm	7	Bronze	M	NEOPRENE	RE 81056
12	95 mm	63 mm	25 mm	7	Bronze	Q	NEOPRENE	RE 81057
12	95 mm	88,4 mm	25 mm	7	Bronze	Q	NITRILE	RE 81058
10	65 mm	50,2 mm	16 mm	7	Bronze	Y	NEOPRENE	RE 81059
10	51 mm	22 mm	12,7 mm	1 - 2	Bronze	I	NEOPRENE	RE 81060
6	40 mm	19 mm	9,5 mm	1 - 2	Bronze	D	NEOPRENE	RE 81061



### ELECTRONIC VALVES FOR FRESH WATER



1/4" PORTS. Maximum pressure 5 bar

Brass body, stainless steel internal sleeve

Applications: wiper system and water distribution on boats

Type	Voltage V	Coil absorption	Hole	Ports inches	MAX Pressure	Flow	Code
EV-MA	12	1 A	Ø 4,5 mm	1/4"	5 bar	21 l/m	RE 80198
EV-MA	24	0,55 A	Ø 4,5 mm	1/4"	5 bar	21 l/m	RE 80199



### FUEL CUT-OFF SOLENOID VALVES (DIESEL FUEL)



Continuous duty, R.I.N.A approval. Brass body and stainless steel fixing bracket.

Complete with ogive pipe fittings for tubing of various diameters.

Incorporating a hand release knob to open the valve manually in case of electrical failure.

Type	Voltage V	Coil absorption	Hole	Ports inches	Connections Ø mm	Flow l/m	Code
EV-M312	12	1 A	Ø 12 mm	1/2"	12 mm	69	RE 80175
EV-M312	24	0,55 A	Ø 12 mm	1/2"	12 mm	69	RE 80176



### ELECTRONIC VALVES FOR FUEL

Continuous duty, UNI EN 28846 approval. Body in brass and stainless steel bracket.

With BYPASS and manual emergency control.

Type	Voltage V	Coil absorption	Hole	Ports inches	Delivery	Code
EL-0511	12	12W	Ø 7 mm	1/2"	100 l/h	RE 80109
EL-0521	24	12W	Ø 7 mm	1/2"	100 l/h	RE 80110
EL-0516	12	12W	Ø 7 mm	1/2"	600 l/h	RE 80111
EL-0526	24	12W	Ø 7 mm	1/2"	600 l/h	RE 80112
EL-1013	12	60W	Ø 25 mm	1"	3350 l/h	RE 80113
EL-1023	24	60W	Ø 25 mm	1"	3350 l/h	RE 80114

# HOSE AND PLUMBING FITTING



- Radiator hose
- Hot water hose
- Sea water hose
- Netted PVC hose
- Steel wire PVC hose
- Sewage pipe marine toilets hose
- Blower hose
- Ventilation hose
- Plumbing fitting



## REBAMARINE

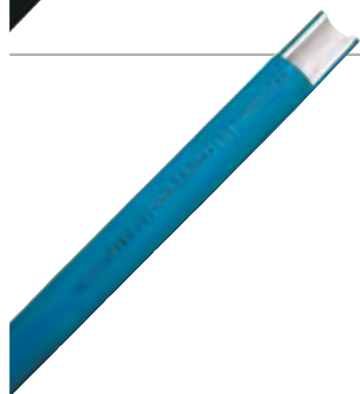
NAUTICAL EQUIPMENT



### SOFTWALL RUBBER HOSE

Standards DIN 73411-79 (Temperature -40°C + 120°C). Suitable for conveying hot water mixed with cooling liquids. Tube: black, smooth, heat resistant EPDM rubber. Reinforcement : high strength syntetic textile plies. Cover: black, abrasion, heat and ageing resistant EPDM rubber. Surface: smooth fabric finished.

Inside diameter	Outside diameter	Working pressure	Burst pressure	Temperature range	Length	Code
Ø 25 mm	Ø 32 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86300
Ø 28 mm	Ø 36 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86301
Ø 30 mm	Ø 38 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86302
Ø 35 mm	Ø 43 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86303
Ø 40 mm	Ø 49 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86304
Ø 45 mm	Ø 54 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86305
Ø 50 mm	Ø 60 mm	4 bar	12 bar	-40°C +120°C	1 m	RE 86306



### SOFTWALL RUBBER HOSE STEAM/AL

Suitable for hot water and steam mix. Used where an atoxic hose is required. Suitable to scald with steam up to +164°C. Tube: white, smooth, heat resistant food quality EPDM rubber. Reinforcement: high strength syntetic textile plies. Cover: blue, abrasion, heat and weathering resistant EPDM rubber. Surface: smooth fabric finished.

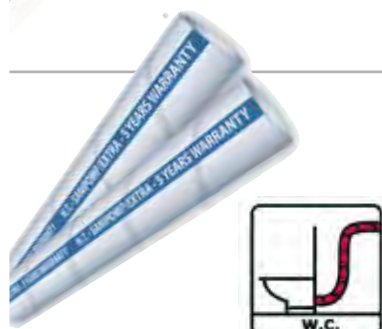
Inside diameter	Outside diameter	Working pressure	Burst pressure	Temperature range	Bending radius	Length	Code
Ø 13 mm	Ø 23 mm	10 bar	30 bar	-40°C +120°C	130 mm	40 m	RE 86307
Ø 16 mm	Ø 26 mm	10 bar	30 bar	-40°C +120°C	160 mm	40 m	RE 86308
Ø 19 mm	Ø 30 mm	10 bar	30 bar	-40°C +120°C	190 mm	40 m	RE 86309



### HARDWALL SMOOTH COVER RUBBER HOSE

Suitable for suction and delivery of hot water and sea water. Tube: black, smooth, heat resistant EPDM rubber. Reinforcement: steel wire helix with high strength syntetic textile plies. Cover: black, abrasion, heat, sea water, weathering and ozone resistant EPDM rubber. Surface: smooth, fabric finished.

Inside diameter	Outside diameter	Working pressure	Burst pressure	Vacuum	Temperature range	Bending radius	Length	Code
Ø 16 mm	Ø 26 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	95 mm	40 m	RE 86310
Ø 19 mm	Ø 29 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	115 mm	40 m	RE 86311
Ø 20 mm	Ø 30 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	120 mm	40 m	RE 86312
Ø 25 mm	Ø 35 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	150 mm	40 m	RE 86313
Ø 30 mm	Ø 40 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	180 mm	40 m	RE 86314
Ø 32 mm	Ø 43 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	190 mm	40 m	RE 86315
Ø 35 mm	Ø 46 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	210 mm	40 m	RE 86316
Ø 38 mm	Ø 49 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	230 mm	40 m	RE 86317
Ø 40 mm	Ø 51 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	240 mm	40 m	RE 86318
Ø 51 mm	Ø 63 mm	10 bar	30 bar	0,9 bar	-40°C +120°C	310 mm	40 m	RE 86319



### HARDWALL SMOOTH COVER RUBBER HOSE

Extremely flexible designed as sewage pipe for marine toilets. Its main advantage is to avoid the spreading of odours from the toilet drains. Tube: white, smooth, odour-free and anti-bacterial quality rubber. Permeability level lower than 1%. Suitable also for connect biologic tank, biologic pump and bilge pump. Standard: according to European, FDA and ISO 8099:2000.

Inside diameter	Outside diameter	Working pressure	Burst pressure	Vacuum	Temperature range	Bending radius	Length	Code
Ø 16 mm	Ø 26 mm	7 bar	21 bar	0,9 bar	-40°C +120°C	35 mm	30,5 m	RE 86320
Ø 19 mm	Ø 29 mm	7 bar	21 bar	0,9 bar	-40°C +120°C	40 mm	30,5 m	RE 86321
Ø 25 mm	Ø 35 mm	7 bar	21 bar	0,9 bar	-40°C +120°C	50 mm	30,5 m	RE 86322
Ø 38 mm	Ø 48 mm	7 bar	21 bar	0,9 bar	-40°C +120°C	80 mm	30,5 m	RE 86323

**SANIFOMP**  
EXTRA





### NETTED PVC HOSE NON TOXIC

Tube: smooth transparent PVC non toxic.  
Reinforcement: high strength syntetic textile yarn.  
Cover: weathering and most chemicals resistant transparent PVC.  
Surface: smooth extruded.

Inside diameter	Outside diameter	Working pressure	Temperature range	Bending radius	Length	Code
Ø 10 mm	Ø 15 mm	15 bar	-10°C +60°C	80 mm	50 m	RE 86324
Ø 12 mm	Ø 17 mm	12 bar	-10°C +60°C	95 mm	50 m	RE 86325
Ø 13 mm	Ø 18 mm	12 bar	-10°C +60°C	105 mm	50 m	RE 86326
Ø 15 mm	Ø 21 mm	10 bar	-10°C +60°C	120 mm	50 m	RE 86327
Ø 16 mm	Ø 22 mm	10 bar	-10°C +60°C	130 mm	50 m	RE 86328
Ø 19 mm	Ø 26 mm	8 bar	-10°C +60°C	155 mm	50 m	RE 86329
Ø 22 mm	Ø 29 mm	8 bar	-10°C +60°C	175 mm	50 m	RE 86330
Ø 25 mm	Ø 33 mm	8 bar	-10°C +60°C	200 mm	50 m	RE 86331



### STEEL WIRE PVC HOSE NON TOXIC ALIPOMP/TR

Tube: smooth transparent PVC non toxic.  
Reinforcement: steel wire helix.  
Cover: weathering and most chemicals resistant transparent PVC.  
Surface: smooth extruded.

Inside diameter	Thickness	Working pressure	Vacuum	Temperature range	Bending radius	Length	Code
Ø 16 mm	3,2 mm	6 bar	0,8 bar	-10°C +60°C	35 mm	30 m	RE 86332
Ø 18 mm	3,2 mm	6 bar	0,8 bar	-10°C +60°C	40 mm	30 m	RE 86333
Ø 20 mm	3,5 mm	5 bar	0,8 bar	-10°C +60°C	50 mm	30 m	RE 86334
Ø 22 mm	3,5 mm	5 bar	0,8 bar	-10°C +60°C	55 mm	30 m	RE 86335
Ø 25 mm	4 mm	5 bar	0,8 bar	-10°C +60°C	75 mm	30 m	RE 86336
Ø 30 mm	4,2 mm	4,5 bar	0,8 bar	-10°C +60°C	90 mm	30 m	RE 86337
Ø 32 mm	4,2 mm	4,5 bar	0,8 bar	-10°C +60°C	95 mm	30 m	RE 86338
Ø 35 mm	4,5 mm	4 bar	0,8 bar	-10°C +60°C	105 mm	30 m	RE 86339
Ø 38 mm	4,5 mm	4 bar	0,8 bar	-10°C +60°C	115 mm	30 m	RE 86340
Ø 40 mm	4,5 mm	3 bar	0,8 bar	-10°C +60°C	120 mm	30 m	RE 86341
Ø 45 mm	5 mm	3 bar	0,8 bar	-10°C +60°C	135 mm	30 m	RE 86342
Ø 51 mm	5 mm	3 bar	0,8 bar	-10°C +60°C	150 mm	30 m	RE 86343



### STEEL WIRE PVC HOSE NON TOXIC ALIPOMP/SAN

Extremely flexible designed sewage pipe for marine toilets.  
Tube: smooth white special PVC compound. Impermeability good level compound.  
Reinforcement: steel wire helix.  
Cover: weathering and most chemicals resistant white PVC.  
Surface: smooth extruded.

Inside diameter	Thickness	Working pressure	Vacuum	Temperature range	Bending radius	Length	Code
Ø 16 mm	3,5 mm	6 bar	0,8 bar	-15°C +60°C	35 mm	30 m	RE 86344
Ø 20 mm	3,5 mm	5 bar	0,8 bar	-15°C +60°C	50 mm	30 m	RE 86345
Ø 25 mm	4 mm	5 bar	0,8 bar	-15°C +60°C	75 mm	30 m	RE 86346
Ø 38 mm	5 mm	4 bar	0,8 bar	-15°C +60°C	115 mm	30 m	RE 86347



Plumbing fittings are suitable for health service of hot and cold water.

Main advantages: installation time reduced up to 40%. Thanks to hose flexibility, they can be installed in places difficult to approach. They can be dismantled with no damages to the pipe. Permanent leak proof sealed proof. A simple twist of the screwcap locks the pipe. The pipe is firmly positioned with no deformation or back flow. Collet stainless steel teeth cling to the external part of the pipe. The conic base of the tweezer allows a biggest traction on the pipe and a bigger clawing strength. O-ring is a perfect sealing between the external part of the pipe and the joint. Each joint has a stop mechanism.



### FEMALE/FEMALE SLEEVE

Pipe diameter	Code
12 mm	RE 86183
15 mm	RE 86101
22 mm	RE 86102



### FEMALE/FEMALE EQUAL ELBOW

Pipe diameter	Code
12 mm	RE 86184
15 mm	RE 86103
22 mm	RE 86104



### EQUAL FEMALE TEE

Pipe diameter	Code
12 mm	RE 86185
15 mm	RE 86105
22 mm	RE 86106



### HOSE FEMALE CONNECTOR

Pipe diameter	Graft	Code
15 mm	Rubber case 1/2"	RE 86107
22 mm	Rubber case 3/4"	RE 86108



### FEMALE COUPLER

Pipe diameter	Thread	Code
15 mm	1/2" F	RE 86109
22 mm	3/4" F	RE 86110



### EQUAL FEMALE/MALE ELBOW

Pipe diameter	Spigot diameter	Code
12 mm	12 mm	RE 86188
15 mm	15 mm	RE 86118
22 mm	22 mm	RE 86189



### TANK CONNECTOR

Pipe diameter	Code
15 mm	RE 86111
22 mm	RE 86112



**FAUCET**

Not suitable for heating installation

Pipe diameter	Code
15 mm	RE 86141
22 mm	RE 86142

**STOP END**

Pipe diameter	Code
15 mm	RE 86143
22 mm	RE 86144

**STRAIGHT BRASS TERMINAL**

Pipe diameter	Graft	Code
15 mm	1/2" M	RE 86145
22 mm	3/4" M	RE 86146

**VALVE TAPPING IN PLASTIC**

Not suitable for heating installation

Pipe diameter	Code
15 mm	RE 86147
22 mm	RE 86148

**BRASS MALE STEM ADAPTOR**

This part converts push fit end to male thread

Pipe diameter	Graft	Code
15 mm	1/2" M	RE 86114
22 mm	3/4" M	RE 86116

**BRASS FEMALE STEM ADAPTOR**

This part converts push fit end to female thread

Pipe diameter	Graft	Code
15 mm	1/2" F	RE 86117
22 mm	3/4" F	RE 86190

**BENT TAP CONNECTOR**

Pipe diameter	Graft	Code
15 mm	1/2" F	RE 86119

**REDUCING STRAIGHT COUPLER**

Pipe diameter	Code
15 x 10 mm	RE 86120
22 x 15 mm	RE 86192

**EQUAL STRAIGHT CONNECTOR**

Pipe diameter	Spigot diameter	Code
12 mm	16 mm	RE 86193
15 mm	22 mm	RE 86121

**RED - BLUE COLLETS**

Pipe diameter	Package	Code
12 mm	10 pcs	RE 86122
15 mm	10 pcs	RE 86123
22 mm	10 pcs	RE 86194



### CLIPS FOR PIPES

It reduces the axial movement of the pipe and it prevents random disconnections in case of system depressurization.

Pipe diameter	Package	Code
15 mm	10 pcs	RE 86127
22 mm	10 pcs	RE 86128



### CLIPS FOR PIPES

It reduces the axial movement of the pipe and it prevents random disconnections in case of system depressurization.

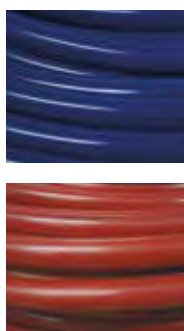
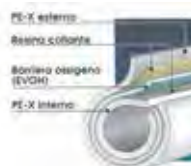
Pipe diameter	Package	Code
15 mm	10 pcs	RE 86124
22 mm	10 pcs	RE 86195



### SUPERSEAL PIPE CONNECTOR

Provides an extra connection seal

Pipe diameter	Package	Code
15 mm	10 pcs	RE 86197
22 mm	10 pcs	RE 86198



### SPEEDPEX PIPE

BLUE PIPE for cold water ( max 12 bar 20°C )

RED PIPE for hot water ( max 6 bar 65°C )

NB: please use pipe cutter ( not iron hacksaw, etc. ) and avoid smears

Material	Pipe diameter	Color	Coil mt	Code
Polyethylene	12 mm	BLUE	100	RE 86125/B
Polyethylene	15 mm	BLUE	100	RE 86126/B
Polyethylene	12 mm	RED	100	RE 86125/R
Polyethylene	15 mm	RED	100	RE 86126/R
Polyethylene	22 mm	WHITE	100	RE 86199



### COLD FORMING BEND

Pipe diameter	Code
12 mm	RE 86151
15 mm	RE 86152



### FLEXIBLE PIPE FOR WATER HEATER

Pipe diameter	Threading	Code
12 mm	1/2"	RE 86153
15 mm	3/4"	RE 86154



### FLEXIBLE PIPE FOR FAUCETS

Pipe diameter	Threading	Code
12 mm	M10	RE 86155
15 mm	M10	RE 86156



### PIPE CUTTERS

For pipe up to 22 mm of diameter

RE 86157

### STEEL WIRE PVS HOSE AIRTHERM/M120

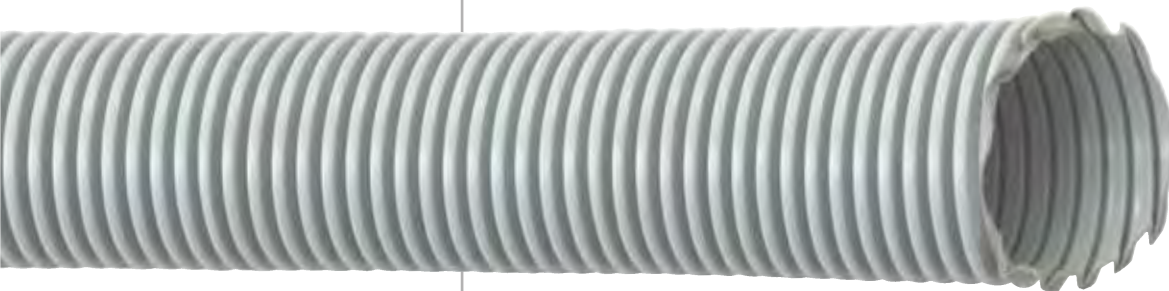
Suitable for air, gas, fumes, steam suction  
 The special manufacturing allows to be used in all air suction  
 Installation and ventilation, also connecting moving components  
 Ship and domestic conditioning  
 Fire resistant class CSTB: M1 and DIN 4102  
 Tube: fibreglass fabric coated grey PVC  
 Reinforcement: steel wire helix  
 Cover: fibreglass fabric coated grey PVC  
 Compressing: 8:1



Inside diameter	Compressing	Working pressure	Vacuum	Temperature range	Bending radius	Length	Code
Ø 70 mm	8:1	0,60 bar	0,13 bar	-25°C +105°C	35 mm	10 m	RE 86350
Ø 76 mm	8:1	0,50 bar	0,09 bar	-25°C +105°C	38 mm	10 m	RE 86351
Ø 102 mm	8:1	0,40 bar	0,08 bar	-25°C +105°C	50 mm	10 m	RE 86352

### FLEXIBLE EVATUBE HOSE

Suitable for air, dust and fumes gas  
 crushproof  
 Used as cable covering hose too  
 Temperature range : -30°C +60°C  
 Tube: grey eva (etil-vinil-acetato) wiyhout any helix wire  
 Surface: square corrugated



Inside diameter		Outside diameter		theoretical weight		Vacuum	Bending radius		Length		Code
mm	inch	mm	inch	Kg / mt	lbs / ft	bar	mm	inch	mt	ft	
25	1"	34	1,11/32"	0,20	0,13	0,5	70	2,76"	30	98,4	RE 86354
53	2"	61	2,13/32"	0,44	0,31	0,5	125	4,92"	30	98,4	RE 86353



# REBAMARINE

NAUTICAL EQUIPMENT

Via Antonio Cantore, 34/0  
16149 Genoa - Italy  
Tel. +39 010 6465065 - Fax +39 010 8561908



# 14 WINDLASSES AND WINCHES

# AND WINCHES



- Windlasses
  - Vertical
  - On deck
  - Horizontal
- Capstans
- Watertight hand held remote control
- Chain counter
- Receivers
- Remote controls
- Solenoids unit
- Calibrated chain



# REBAMARINE

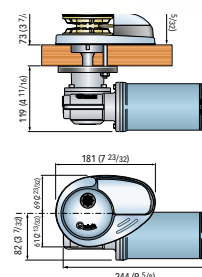
NAUTICAL EQUIPMENT

# VERTICAL WINDLASSES PRINCE



## WINDLASS PRINCE DP1

- Aisi 316 Stainless steel base
- With and without drum
- Manual Free-Fall system
- Inspection cover
- Watertight motor
- Anodized aluminium gearbox
- Technopolymer gearbox



### PRINCE DP1 WITHOUT DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
300	12	370	120	6	26,3	5-7	7,6	RE 90701
500	12	660	200	6	25,2	6-9	7,6	RE 90702
500	24	660	220	6	25,2	6-9	7,6	RE 90703

### PRINCE DP1 WITH DRUM

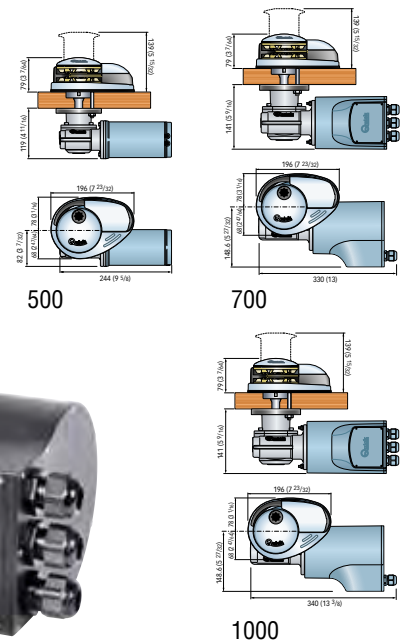
Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
300	12	370	120	6	26,3	5-7	8,4	RE 90706
500	12	660	200	6	25,2	6-9	8,4	RE 90707
500	24	660	220	6	25,2	6-9	8,4	RE 90708

# VERTICAL WINDLASSES PRINCE



## WINDLASS PRINCE DP2

- Aisi 316 Stainless steel base
- With and without drum
- Manual Free-Fall system
- Inspection cover
- Watertight motor
- Anodized aluminium gearbox
- Technopolymer gearbox



## PRINCE DP2 WITHOUT DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
300	12	370	120	6 - 7 - 8	29,2	5 - 7	9,8	RE 90711
500	12	660	200	6 - 7 - 8	28,9	6 - 9	9,8	RE 90712
500	24	660	220	6 - 7 - 8	28,2	6 - 9	9,8	RE 90713
700	12	680	300	6 - 7 - 8	22,6	7 - 10	15,6	RE 90716
700	24	680	320	6 - 7 - 8	25,3	7 - 10	15,6	RE 90717
1000	12	930	420	6 - 7 - 8	31,2	10 - 13	16,7	RE 90718
1000	24	930	480	6 - 7 - 8	30,1	10 - 13	16,7	RE 90719

## PRINCE DP2 WITH DRUM

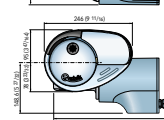
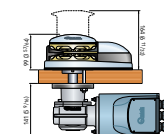
Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
300	12	370	120	6 - 7 - 8	29,2	5 - 7	10,7	RE 90720
500	12	660	200	6 - 7 - 8	28,9	6 - 9	10,7	RE 90721
500	24	660	220	6 - 7 - 8	28,2	6 - 9	10,7	RE 90722
700	12	680	300	6 - 7 - 8	22,6	7 - 10	16,3	RE 90725
700	24	680	320	6 - 7 - 8	25,3	7 - 10	16,3	RE 90726
1000	12	930	420	6 - 7 - 8	31,2	10 - 13	17,4	RE 90727
1000	24	930	480	6 - 7 - 8	30,1	10 - 13	17,4	RE 90728

# VERTICAL WINDLASSES PRINCE

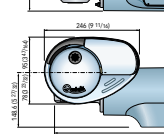
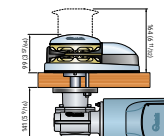


## WINDLASS PRINCE DP3

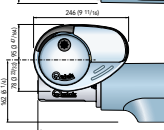
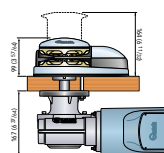
- Aisi 316 Stainless steel base
- With and without drum
- Manual Free-Fall system
- Inspection cover
- Watertight motor
- Anodized aluminium gearbox
- Technopolymer gearbox



700



1000



1500

### PRINCE DP3 WITHOUT DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
700	12	680	300	8 - 10	22,6	7 - 10	17	RE 90729
700	24	680	320	8 - 10	25,3	7 - 10	17	RE 90730
1000	12	1000	370	8 - 10	39,6	10 - 13	18,1	RE 90731
1000	24	1000	450	8 - 10	40,9	10 - 13	18,1	RE 90732
1500	12	1100	470	8 - 10	29,2	12 - 15	20,4	RE 90733
1500	24	1100	540	8 - 10	29,7	12 - 15	20,4	RE 90734

### PRINCE DP3 WITH DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Boat dimensions m	Weight Kg	Code
700	12	680	300	8 - 10	22,6	7 - 10	18	RE 90735
700	24	680	320	8 - 10	25,3	7 - 10	18	RE 90736
1000	12	1000	370	8 - 10	39,6	10 - 13	19,1	RE 90737
1000	24	1000	450	8 - 10	40,9	10 - 13	19,1	RE 90738
1500	12	1100	470	8 - 10	29,2	12 - 15	21,4	RE 90739
1500	24	1100	540	8 - 10	29,7	12 - 15	21,4	RE 90740

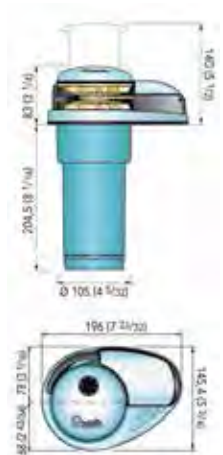


# VERTICAL WINDLASSES PRINCE



## VERTICAL WINDLASSES DP2E

- Stainless steel Aisi 316 base
- With and without drum
- Rope and chain on a single gypsy
- Manual Free-Fall system
- Supplied with pressure lever
- Inspection cover
- Motor watertight to IP 67
- Anodized aluminium gearbox



The DP2E windlass is equipped with an epicyclical gearbox, that provides much higher efficiency (40% compared to equivalent traditional gearboxes).

### PRINCE DP2E WITHOUT DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Weight Kg	Code
500	12	620	200	6 - 7 - 8	22,9	8,3	RE 90753
800	12	820	290	6 - 7 - 8	22,5	8,3	RE 90754
800	24	820	290	6 - 7 - 8	22,6	8,3	RE 90755

### PRINCE DP2E WITH DRUM

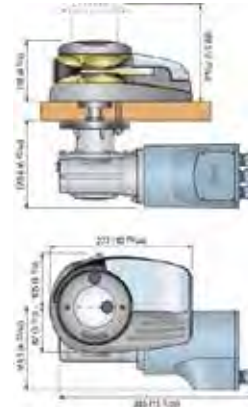
Motor Power W	Motor Voltage V	Max pull Kg	Max Working load (Kg)	Chain sizes mm DIN 766	Chain speed m/min	Weight Kg	Code
500	12	620	200	6 - 7 - 8	22,9	9,1	RE 90756
800	12	820	290	6 - 7 - 8	22,5	9,1	RE 90757
800	24	820	290	6 - 7 - 8	22,6	9,1	RE 90758

# VERTICAL WINDLASSES DYLAN

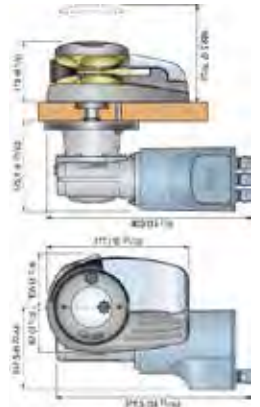


## WINDLASSES DYLAN DH4

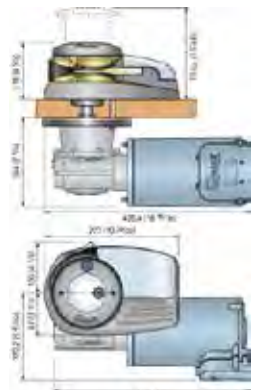
Vertical windlasses. Base in anodized aluminium in hard oxide  
 With and without drum. Rope and chain on a single gypsy  
 Integrated sensor and magnet for chain counter  
 Manual free-fall system. Emergency manual lift system  
 Supplied with pressure lever. Inspection lid  
 IP 67 watertight motor (1500-1700 W). IP 66 watertight motor (2000 W)  
 Anodized aluminium gearbox



1500 / 1500D



1700 / 1700D



2000 / 2000D

## DYLAN WITHOUT DRUM

Power Engine W	Voltage V	Absorption Max A	Max pull Kg	Working load Kg	Gypsy DIN 766	Rope size	Deck thickness	Boat dimensions	Weight Kg	Code
1500	12	150	1100	135	10 - 13	5/8" - 3/4"	25 - 50	12 - 15	23,2	RE 90780
1700	12	170	1150	155	10 - 13	5/8" - 3/4"	30 - 70	14 - 16	25,1	RE 90781
1700	24	95	1200	190	10 - 13	5/8" - 3/4"	30 - 70	14 - 16	25,1	RE 90782
2000	24	105	1600	250	10 - 13	5/8" - 3/4"	30 - 70	15 - 20	40,7	RE 90783

## DYLAN WITH DRUM

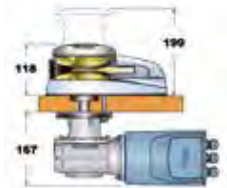
Power Engine W	Voltage V	Absorption Max A	Max pull Kg	Working load Kg	Gypsy DIN 766	Rope size	Deck thickness	Boat dimensions	Weight Kg	Code
1500	12	150	1100	135	10 - 13	5/8" - 3/4"	25 - 50	12 - 15	24,5	RE 90784
1700	12	170	1150	155	10 - 13	5/8" - 3/4"	30 - 70	14 - 16	26,4	RE 90785
1700	24	95	1200	190	10 - 13	5/8" - 3/4"	30 - 70	14 - 16	26,4	RE 90786
2000	24	105	1600	250	10 - 13	5/8" - 3/4"	30 - 70	15 - 20	32,0	RE 90787

# VERTICAL WINDLASSES DYLAN



## WINDLASSES DYLAN DR4

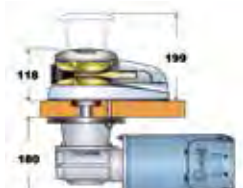
Vertical windlasses. Stainless steel AISI 316 and anodized aluminium base in hard oxide  
With and without drum. Rope and chain on a single gypsy  
Manual free-fall system  
Emergency manual lift system  
Supplied with pressure lever  
Inspection lid  
IP 67 watertight motor  
Anodized aluminium gearbox



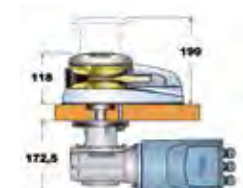
1500 / 1500D



1700 / 1700D



2000 / 2000D



## DYLAN WITHOUT DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Rope	Deck thickness mm	Boat dimensions m	Weight Kg	Code
1500	12	150	1100	400	10 - 12 - 13	5/8" - 3/4"	25 - 50	12 - 15	25,8	RE 90420
1700	12	170	1100	470	10 - 12 - 13	5/8" - 3/4"	30 - 70	14 - 16	26,2	RE 90421
1700	24	95	1200	570	10 - 12 - 13	5/8" - 3/4"	30 - 70	14 - 16	26,4	RE 90422
2000	24	105	1600	750	10 - 12 - 13	5/8" - 3/4"	30 - 70	15 - 20	31,4	RE 90423

## DYLAN WITH DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Rope	Deck thickness mm	Boat dimensions m	Weight Kg	Code
1500	12	150	1100	400	10 - 12 - 13	5/8" - 3/4"	25 - 50	12 - 15	27,8	RE 90424
1700	12	170	1100	470	10 - 12 - 13	5/8" - 3/4"	30 - 70	14 - 16	28,2	RE 90425
1700	24	95	1200	570	10 - 12 - 13	5/8" - 3/4"	30 - 70	14 - 16	28,8	RE 90426
2000	24	105	1600	750	10 - 12 - 13	5/8" - 3/4"	30 - 70	15 - 20	33,4	RE 90427

# VERTICAL WINDLASSES DAVE



## WINDLASS DAVE - RIGHT CHAIN PIPE DV5X

Stainless steel Aisi 316 base  
 With and without drum  
 Rope and chain on a single gypsy  
 Manual Free-Fall system  
 Emergency manual lift system with chain-stopper (optional)  
 Supplied with pressure lever  
 Inspection cover  
 Motor watertight to IP 67 (1700 W) and IP 66 (2300 W)  
 Anodized aluminium gearbox



2300 / 2300D



3000 / 3000D

### DAVE WITHOUT DRUM RIGHT

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	175	1100	470	10-12/13-14	30 - 70	36,1	12 - 16	RE 90741/R
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	RE 90742/R
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	16 - 20	RE 90759/R
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	RE 90743/R
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	RE 90744/R
3000	230/400	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	RE 90745/R

### DAVE HYDRO WITHOUT DRUM RIGHT

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	RE 90746/R

### DAVE WITH DRUM RIGHT

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	175	1100	470	10-12/13-14	30 - 70	36,1	12 - 16	RE 90747/R
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	RE 90748/R
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	RE 90749/R
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	RE 90750/R
3000	220/380	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	RE 90751/R

### DAVE WITH DRUM RIGHT

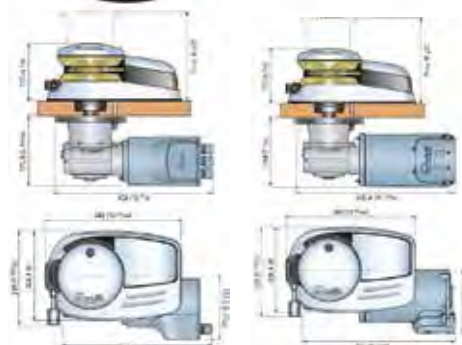
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	RE 90752/R

# VERTICAL WINDLASSES DAVE



## WINDLASS DAVE LEFT CHAIN PIPE DV5Y

Stainless steel Aisi 316 base. With and without drum  
 Rope and chain on a single gypsy  
 Manual Free-Fall system  
 Emergency manual lift system with chain-stopper (optional)  
 Supplied with pressure lever. Inspection cover  
 Motor watertight to IP 67 (1700 W) and IP 66 (2300 W)  
 Anodized aluminium gearbox



1700 / 1700D

2000 / 2000D

### DAVE WITHOUT DRUM LEFT

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	175	1100	470	10-12/13-14	30 - 70	36,1	12 - 16	RE 90741/L
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	RE 90742/L
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	16 - 20	RE 90759/L
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	RE 90743/L
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	RE 90744/L
3000	230/400	-	2800	390	10-12/13-14	30 - 70	15,4	20 - 24	RE 90745/L

### DAVE HYDRO WITHOUT DRUM LEFT

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Codice
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	RE 90746/L

### DAVE WITH DRUM LEFT

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	175	1100	470	10-12/13-14	30 - 70	36,1	12 - 16	RE 90747/L
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	RE 90748/L
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	RE 90749/L
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	RE 90750/L
3000	220/380	-	2800	390	10-12/13-14	30 - 70	15,4	20 - 24	RE 90751/L

### DAVE WITH DRUM LEFT

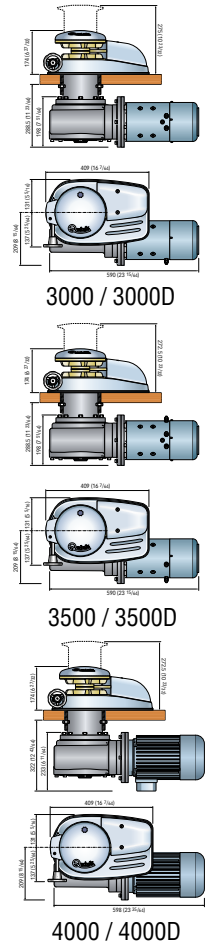
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Max chain Speed (m/min)	Boat dimensions m	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	RE 90752/L

# VERTICAL WINDLASSES DUKE



## DUKE WINDLASS - RIGHT CHAIN PIPE DV6X

Base, drum and gypsy cover in stainless steel AISI 316  
Anodized aluminium gearbox  
Available with left chain pipe or with right chain pipe on request



## DUKE WITHOUT DRUM - RIGHT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30 - 80	24	18 - 26	110	RE 90453/R
3500	24	225	4000	1500	12/13-14-16	30 - 80	24	22 - 29	112	RE 90454/R
4000	230/400	-	4000	1500	12/13-14-16	30 - 80	15,8	18 - 29	110	RE 90455/R
5500	230/400	-	4500	1700	12/13-14-16	30 - 80	15,5	22 - 32	128	RE 90456/R

## DUKE HYDRO WITHOUT DRUM - RIGHT CHAIN PIPE

Pressione Max bar	Portata l/m	Tiro Max Kg	Carico Max Kg	Gypsy DIN 766	Spessore coperta mm	Velocità di recupero m/min	Dimensione imbarcazione m	Peso Kg	Code
210	10 - 70	3000	1500	12/13-14-16	30 - 80	30	20 - 32	90	RE 90461/R

## DUKE WITH DRUM - RIGHT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30 - 80	24	18 - 26	112	RE 90457/R
3500	24	225	4000	1500	12/13-14-16	30 - 80	24	22 - 29	114	RE 90458/R
4000	230/400	-	4000	1500	12/13-14-16	30 - 80	15,8	18 - 29	112	RE 90459/R
5500	230/400	-	4500	1700	12/13-14-16	30 - 80	15,5	22 - 32	130	RE 90460/R

## DUKE HYDRO WITH DRUM - RIGHT CHIAN PIPE

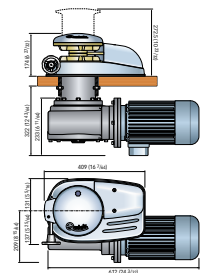
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	10 - 70	3000	1500	12/13-14-16	30 - 80	30	20 - 32	92	RE 90462/R

# VERTICAL WINDLASSES DUKE

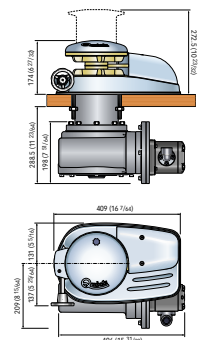


## DUKE WINDLASS - LEFT CHAIN PIPE DV6Y

Base, drum and gypsy cover in stainless steel AISI 316  
Anodized aluminium gearbox  
Available with left chain pipe or with right chain pipe on request



5000 / 5000D



Hydro / D

## DUKE WITHOUT DRUM - LEFT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30-80	24	18-26	110	RE 90453/L
3500	24	225	4000	1500	12/13-14-16	30-80	24	22-29	112	RE 90454/L
4000	230/400	-	4000	1500	12/13-14-16	30-80	15,8	18-29	110	RE 90455/L
5500	230/400	-	4500	1700	12/13-14-16	30-80	15,5	22-32	128	RE 90456/L

## DUKE HYDRO WITHOUT DRUM - LEFT CHAIN PIPE

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	10-70	3000	1500	12/13-14-16	30-80	30	20-32	90	RE 90461/L

## DUKE WITH DRUM - LEFT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30-80	24	18-26	112	RE 90457/L
3500	24	225	4000	1500	12/13-14-16	30-80	24	22-29	114	RE 90458/L
4000	230/400	-	4000	1500	12/13-14-16	30-80	15,8	18-29	112	RE 90459/L
5500	230/400	-	4500	1700	12/13-14-16	30-80	15,5	22-32	130	RE 90460/L

## DUKE HYDRO WITH DRUM - LEFT CHAIN PIPE

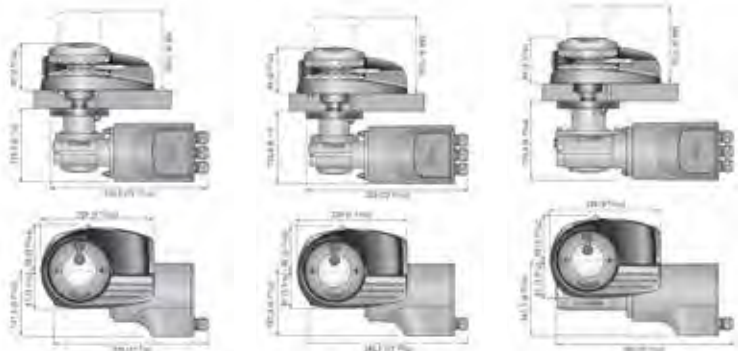
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	10-70	3000	1500	12/13-14-16	30-80	30	20-32	92	RE 90462/L

# VERTICAL WINDLASSES ALEPH



## WINDLASSES ALEPH AL3

- Vertical windlasses
- Base in anodized aluminium in hard oxide
- With and without drum
- Rope and chain on a single gypsy
- Manual free-fall system
- Emergency manual lift system
- Supplied with pressure lever
- Inspection lid. IP 67 watertight motor
- Anodized aluminium gearbox (1500W)
- Technopolymer gearbox (700/1000W)



700 / 700D

1000 / 1000D

1500 / 1500D

## ALEPH WITHOUT DRUM

Power Engine W	Voltage V	Absorption Max A	Max pull Kg	Working load Kg	Gypsy DIN 766	Rope size	Deck thickness	Boat dimensions	Weight Kg	Code
700	12	95	680	300	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	7 - 10	16,2	RE 90285
700	24	50	680	320	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	7 - 10	16,2	RE 90286
1000	12	140	1000	370	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	10 - 13	17,5	RE 90287
1000	24	80	1000	450	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	10 - 13	17,5	RE 90288
1500	12	155	1100	470	8 - 10	1/2" - 9/16" - 5/8"	30 - 50	12 - 15	22,2	RE 90289
1500	24	85	1100	540	8 - 10	1/2" - 9/16" - 5/8"	30 - 50	12 - 15	22,2	RE 90290

\*Available also gypsy for rope only

## ALEPH WITH DRUM

Power Engine W	Voltage V	Absorption Max A	Max pull Kg	Working load Kg	Gypsy DIN 766	Rope size	Deck thickness	Boat dimensions	Weight Kg	Code
700	12	95	680	300	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	7 - 10	17,4	RE 90291
700	24	50	680	320	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	7 - 10	17,4	RE 90292
1000	12	140	1000	370	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	10 - 13	18,7	RE 90293
1000	24	80	1000	450	8 - 10	1/2" - 9/16" - 5/8"	25 - 50	10 - 13	18,7	RE 90294
1500	12	155	1100	470	8 - 10	1/2" - 9/16" - 5/8"	30 - 50	12 - 15	23,4	RE 90295
1500	24	85	1100	540	8 - 10	1/2" - 9/16" - 5/8"	30 - 50	12 - 15	23,4	RE 90296

\*Available also gypsy for rope only

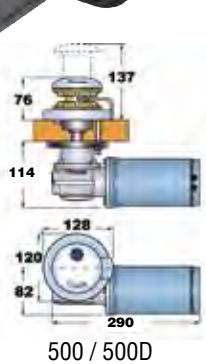


# VERTICAL WINDLASSES RIDER

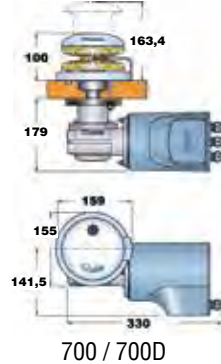


## RIDER WINDLASSES R1 - R3

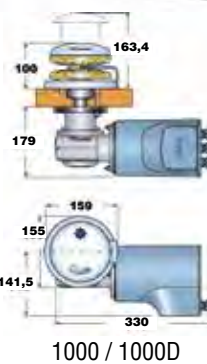
Rider range got a round base in anodized aluminium.  
Manual Free-Fall system.  
IP 67 watertight motor  
Anodized aluminium gearbox (500W)  
Technopolymer gearbox (700/1000/1400W)



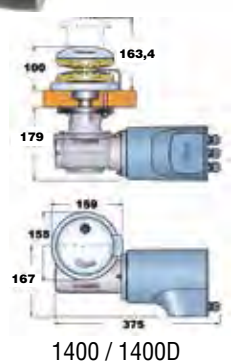
**R1**



**R3**



1000 / 1000D



1400 / 1400D

## RIDER WITHOUT DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Chain* sizes mm DIN 766	Max chain speed (m/min)	Deck thickness mm	Boat dimensions m	Weight Kg	Code
500	12	80	660	200	6	25,2	20 - 30	5 - 9	7,40	RE 90002
500	24	40	660	220	6	25,2	20 - 30	5 - 9	7,40	RE 90150
700	12	90	850	250	6 - 8 - 10	27,4	25 - 50	7 - 10	16,00	RE 90008
700	24	55	850	300	6 - 8 - 10	26,4	25 - 50	7 - 10	16,00	RE 90009
1000	12	140	1000	370	6 - 8 - 10	39,6	25 - 50	10 - 13	17,10	RE 90010
1000	24	80	1000	450	6 - 8 - 10	40,9	25 - 50	10 - 13	17,10	RE 90011
1400	12	155	1100	450	6 - 8 - 10	33	30 - 50	12 - 15	19,40	RE 90012
1400	24	85	1100	500	6 - 8 - 10	29,7	30 - 50	12 - 15	19,40	RE 90013

## RIDER WITH DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Chain* sizes mm DIN 766	Max chain speed (m/min)	Deck thickness mm	Boat dimensions m	Weight Kg	Code
500	12	80	660	200	6	25,2	20 - 30	5 - 9	8,50	RE 90003
500	24	40	660	220	6	25,2	20 - 30	5 - 9	8,50	RE 90151
700	12	90	850	250	6 - 8 - 10	27,4	25 - 50	7 - 10	18,00	RE 90014
700	24	55	850	300	6 - 8 - 10	26,4	25 - 50	7 - 10	18,00	RE 90015
1000	12	140	1000	370	6 - 8 - 10	39,6	25 - 50	10 - 13	19,10	RE 90016
1000	24	80	1000	450	6 - 8 - 10	40,9	25 - 50	10 - 13	19,10	RE 90017
1400	12	155	1100	450	6 - 8 - 10	33	30 - 50	12 - 15	21,40	RE 90018
1400	24	85	1100	500	6 - 8 - 10	29,7	30 - 50	12 - 15	21,40	RE 90019

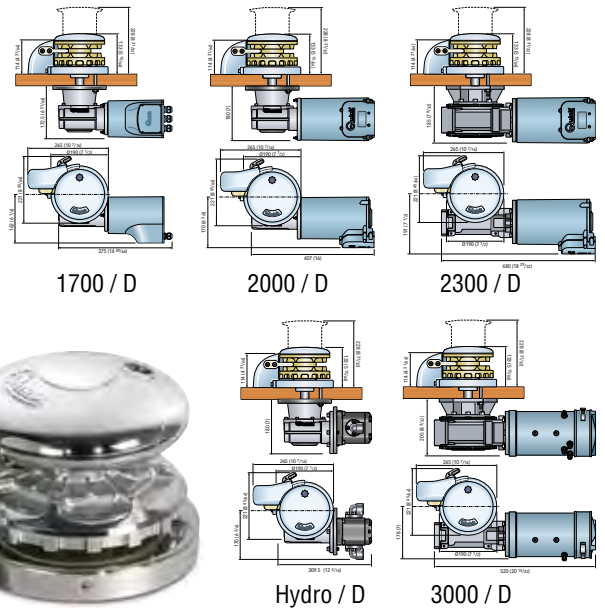
\*Measurements taken with a gypsy for a 8 mm chain (6mm for 500W windlasses). Other gypsy available

# VERTICAL WINDLASSES REGAL



## REGAL WINDLASS RIGHT CHAIN PIPE RG5X

Base and chain pipe  
in stainless steel AISI 316  
Available with right (see photo)  
or left chain pipe  
Manual free-fall system  
Safety chain stopper integrated  
Anodized aluminium gearbox  
IP 67 watertight motor



## REGAL WITHOUT DRUM - RIGHT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	28,7	RE 90156/R
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	15 - 20	33,4	RE 90157/R
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	42,5	RE 90275/R
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	53,5	RE 90276/R
3000	230/400	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	49,5	RE 90448/R

## REGAL HYRO WITHOUT DRUM - RIGHT CHAIN PIPE

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	35	RE 90450/R

## REGAL WITH DRUM - RIGHT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	34,1	RE 90158/R
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	15 - 20	38,8	RE 90159/R
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	52	RE 90277/R
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	63,2	RE 90278/R
3000	230/400	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	41,8	RE 90449/R

## REGAL HYRO WITH DRUM - RIGHT CHAIN PIPE

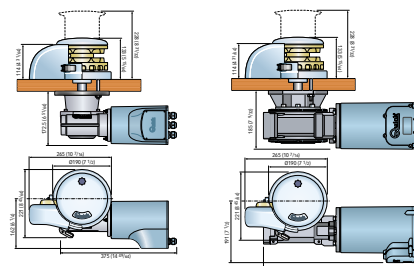
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	12 - 24	40,3	RE 90451/R

# VERTICAL WINDLASSES REGAL



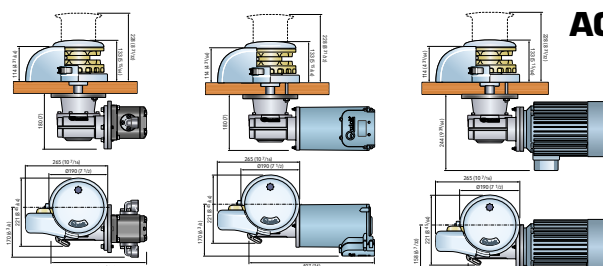
## REGAL WINDLASS LEFT CHAIN PIPE RG5Y

Base and chain pipe in stainless steel AISI 316  
Available with right (see photo) or left chain pipe  
Manual free-fall system  
Safety chain stopper integrated  
Anodized aluminium gearbox  
IP 67 watertight motor



1700 / D

2000 / D



Hydro / D

2300 / D

3000 / D

AC

## REGAL WITHOUT DRUM - LEFT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	28,7	RE 90156/L
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	15 - 20	33,4	RE 90157/L
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	42,5	RE 90275/L
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	53,5	RE 90276/L
3000	230/400	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	49,5	RE 90448/L

## REGAL HYDRO WITHOUT DRUM - LEFT CHAIN PIPE

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	35	12 - 24	RE 90450/L

## REGAL WITH DRUM - LEFT CHAIN PIPE

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
1700	24	100	1200	570	10-12/13-14	30 - 70	38,3	12 - 16	34,1	RE 90158/L
2000	24	115	1260	750	10-12/13-14	30 - 70	41,2	15 - 20	38,8	RE 90159/L
2300	24	120	2400	850	10-12/13-14	30 - 70	41,2	16 - 20	52	RE 90277/L
3000	24	145	3100	1200	10-12/13-14	30 - 70	39,2	20 - 24	63,2	RE 90278/L
3000	230/400	-	2800	930	10-12/13-14	30 - 70	15,4	20 - 24	41,8	RE 90449/L

## REGAL HYDRO WITH DRUM - LEFT CHAIN PIPE

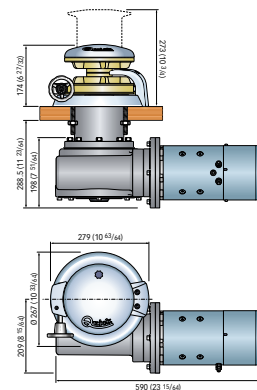
Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
90	10 - 70	2900	1200	10-12/13-14	30 - 70	22	40,3	12 - 24	RE 90451/L

# VERTICAL WINDLASSES ROY

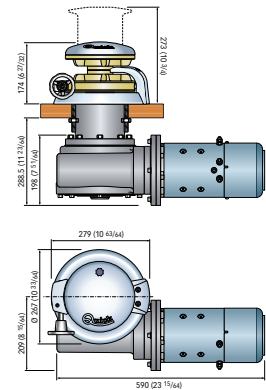


## ROY WINDLASS RY6

Base, gypsy and cover  
 gypsy in stainless steel AISI 316  
 Integrated sensor and magnet for chain counter  
 Mechanical safety band brake  
 Anodized aluminium gearbox



3000 / 3000D



3500 / 3500D

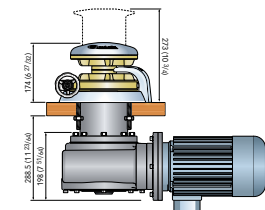
## ROY WITHOUT DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30 - 80	24	18 - 26	110	RE 90432
3500	24	225	4000	1500	12/13-14-16	30 - 80	24	22 - 29	112	RE 90433

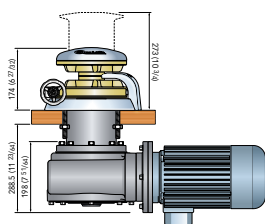
## ROY WITH DRUM

Power Engine W	Supply Motor V	Absorption Max A	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
3000	24	185	3000	1200	12/13-14-16	30 - 80	24	18 - 26	112	RE 90430
3500	24	225	4000	1500	12/13-14-16	30 - 80	24	22 - 29	114	RE 90431

# VERTICAL WINDLASSES ROY



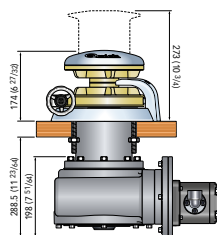
4000 / 4000D



5500 / 5500D

## ROY WINDLASS RY6AC

Base, drum and gypsy cover  
in stainless steel AISI 316  
Integrated sensor and magnet for chain counter  
Mechanical safety band brake  
Anodized aluminium gearbox



Hydro / D



## ROY WITHOUT DRUM

Power Engine W	Supply Motor V	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
4000	230/400	4000	1500	12/13-14-16	30 - 80	15,8	18 - 29	110	RE 90467
5500	230/400	4500	1700	12/13-14-16	30 - 80	15,5	22 - 32	128	RE 90468

## ROY HYDRO WITHOUT DRUM

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	10 - 70	3000	1500	12/13-14-16	30 - 80	30	20 - 32		RE 90471

## ROY WITH DRUM

Power Engine W	Supply Motor V	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
4000	230/400	4000	1500	12/13-14-16	30 - 80	15,8	18 - 29	112	RE 90469
5500	230/400	4500	1700	12/13-14-16	30 - 80	15,5	22 - 32	130	RE 90470

## ROY HYDRO WITH DRUM

Max pressure bar	Flow-rate l/m	Max pull Kg	Working max Kg	Gypsy DIN 766	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	10 - 70	3000	1500	12/13-14-16	30 - 80	30	20 - 32		RE 90472

# VERTICAL WINDLASSES XROY



## WINDLASSES XROY RIGHT XR7 - XR8

Stainless steel AISI 316 base, drum and gypsy cover  
Safety mechanical band brake  
Anodized aluminium gearbox



4000



5000



7500



XR7 Hydro



XR8 Hydro

### XROY WITH DRUM

Power Engine W	Supply Motor V	Max pull Kg	Working max Kg	Gypsy DIN 766	Drum diameter mm	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
4000	230/400T	4000	2000	12,5-14-16	250	40 - 80	12,5	22 - 32	250	RE 90765/R
5500	230/400T	4500	2000	19-20,5-22	300	40 - 80	12,5	32 - 41	400	RE 90766/R
7000	230/400T	5000	25000	19-20,5-22	300	40 - 80	12,5	32 - 50	450	RE 90767/R

### XROY HYDRO WITH DRUM

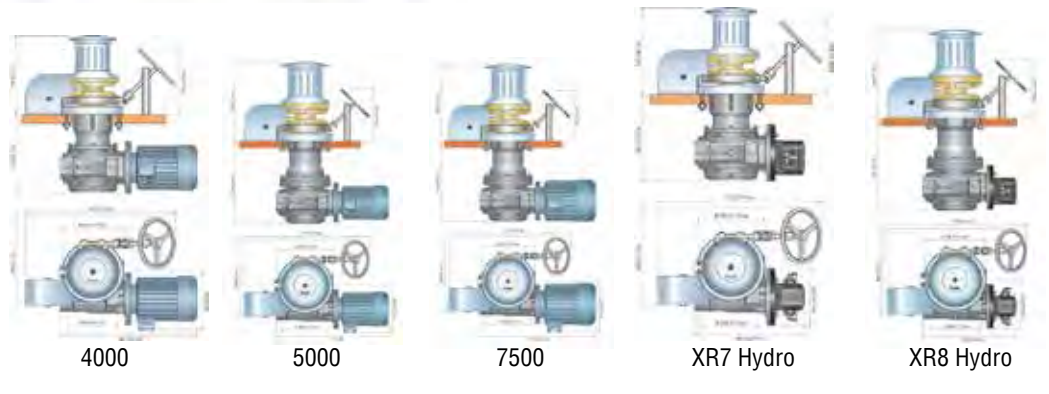
Max pressure bar	Flow-rate l/m	Max pull Kg	Gypsy DIN 766	Drum diameter mm	Deck thickness mm	MAX Chain Speed m/min	Boat dimensions m	Weight Kg	Code
150	70	2500	12/13-14-16	250	40 - 80	12,5	22 - 35	162	RE 90768/R
170	70	5000	19-20,5-22	300	40 - 80	14	32 - 50	280	RE 90769/R

# VERTICAL WINDLASSES XROY



## WINDLASSES XROY LEFT XR7 - XR8

Stainless steel AISI 316 base, drum and gypsy cover  
Safety mechanical band brake  
Anodized aluminium gearbox



4000

5000

7500

XR7 Hydro

XR8 Hydro

### XROY WITH DRUM

Power Engine W	Supply Motor V	Max pull Kg	Working max Kg	Gypsy DIN 766	Drum diameter mm	Deck thickness mm	Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
4000	230/400T	4000	2000	12,5-14-16	250	40- 80	12,5	22- 32	250	RE 90765/L
5500	230/400T	4500	2000	19-20,5-22	300	40- 80	12,5	32- 41	400	RE 90766/L
7000	230/400T	5000	25000	19-20,5-22	300	40- 80	12,5	32- 50	450	RE 90767/L

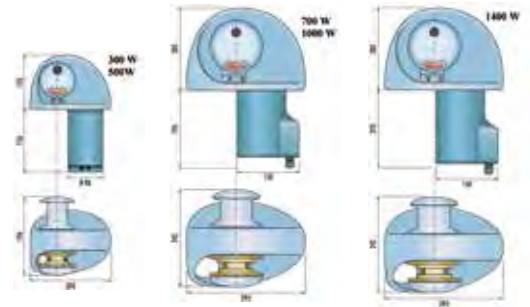
### XROY HYDRO WITH DRUM

Max pressure bar	Flow-rate l/m	Max pull Kg	Gypsy DIN 766	Drum diameter mm	Deck thickness mm	MAX Chain Speed m/min	Boat dimensions m	Weight Kg	Code
150	70	2500	12/13-14-16	250	40- 80	12,5	22- 35	162	RE 90768/L
170	70	5000	19-20,5-22	300	40- 80	14	32- 50	280	RE 90769/L



### EAGLE WINDLASSES E1-E3

Anodized aluminium base  
The vertical motor makes for extreme ease  
and speed of installation  
Manual free-fall system  
Watertight motor IP 67



### EAGLE WITH DRUM

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Chain* sizes mm DIN 766	Deck thickness mm	Max Chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
300	12	60	380	100	6mm	20 - 40	26,3	5 - 7	9,30	RE 90046
500	12	90	630	250	6mm	20 - 40	26,3	6 - 9	9,30	RE 90047
700	12	90	1070	300	6 - 8 - 10	25 - 50	27,4	7 - 10	22,60	RE 91005
700	24	60	1070	370	6 - 8 - 10	35 - 65	27,1	7 - 10	22,60	RE 91006
1000	12	140	1250	390	6 - 8 - 10	35 - 65	38,3	10 - 13	23,70	RE 91007
1000	24	80	1250	490	6 - 8 - 10	35 - 65	33	10 - 13	23,70	RE 91008
1400	12	150	1450	450	6 - 8 - 10	35 - 65	37,6	12 - 15	23,70	RE 91045
1400	24	85	1450	500	6 - 8 - 10	35 - 65	40,6	12 - 15	23,70	RE 91001

\*8 mm gypsy comes as standard, other gypsies available (see the table)



### SALPA ANCORA BALDER X - BALDER Y

Salpa ancora solo cima  
Massima flessibilità di montaggio  
Acciaio inox AISI 316 e bronzo cromato  
Sistema automatico di caduta libera dell'anchor-rode  
Provvisto di dispositivo guida cima



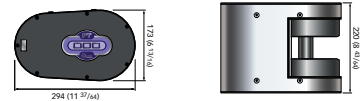
Motor Power W	Motor Voltage V	Max Working load (Kg)	Max chain Speed (m/min)	Weight Kg	Boat dimensions m	Code
600	12	200	25 - 28	9	5 - 7	RE 90494
600	24	200	25 - 28	9	5 - 7	RE 90495
900	12	320	22 - 25	14,6	5 - 7	RE 90496
900	24	320	22 - 25	14,6	5 - 7	RE 90497
1200	12	420	28 - 30	19,2	5 - 7	RE 90498
1200	24	420	28 - 30	19,2	5 - 7	RE 90499

(\*specify when ordering specify BALDER X or BALDER Y)



### ON-DECK PTR WINDLASS

Available as windlass or as bow roller  
in stainless steel AISI 316 and anodized aluminium  
IP 67 motor

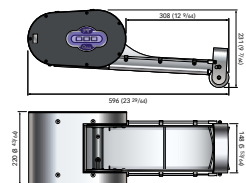


Motor Voltage W	Supply Motor V	Absorp. Max A	Max pull Kg	Max load Kg	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
150	12	13	260	100	20,8	6 - 9	10	RE 90480
250	12	22	600	220	20,8	8 - 12	10,5	RE 90481
350	24	16	750	250	21,5	8 - 12	10,2	RE 90482



### BOW ROLLER

PTR model can be bow roller for an easier use where  
windlasses cannot be installed  
Specifically designed for blocking the anchor  
in a safe way, thanks to its particular system



Bow roller in black anodized aluminium

RE 90483

Bow roller in stainless steel AISI316

RE 90484



# HORIZONTAL ON-DECK WINDLASSES



## WINDLASSES GENIUS GP2

Horizontal on-deck windlasses. Anodized alluminium in hard oxide base  
 White composite material base (GP2 500)  
 Rope and chain on a single gypsy  
 Integrated sensor and magnet for chain counter  
 Supplied with pressure lever  
 IP 66 watertight motor



### GENIUS WITHOUT DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load Kg	Working load Kg	Max Absorp. A	Gypsy DIN 766 mm	Max chain Speed (m/min)	Deck thickness mm	Weight Kg	Boat dimensions m	Code
150	12	220	70	35	29	6-7-8	28,5	20-40	6	6-7	RE 90263
250	12	550	170	50	35	6-7-8	25,1	20-40	8	6-7	RE 90268
500	12	680	250	85	76	6-7-8	10,3	20-40	10,2	6-9	RE 90160
800	12	900	350	120	96	6-7-8	20,0	20-40	10,2	8-12	RE 90162
800	24	900	350	120	50	6-7-8	20,1	20-40	10,2	8-12	RE 90164

### GENIUS WITH DRUM

Motor Power W	Motor Voltage V	Max pull Kg	Max Working load Kg	Working load Kg	Max Absorp. A	Gypsy DIN 766 mm	Max chain Speed (m/min)	Deck thickness mm	Weight Kg	Boat dimensions m	Code
250	12	550	170	50	35	6-7-8	25,1	20-40	9	6-7	RE 90269
500	12	680	250	85	76	6-7-8	10,3	20-40	11,5	6-9	RE 90215
800	12	900	350	120	96	6-7-8	20,0	20-40	11,5	8-12	RE 90216
800	24	900	350	120	50	6-7-8	20,1	20-40	11,5	8-12	RE 90217

### GENIUS FF

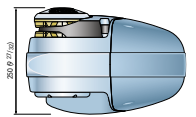
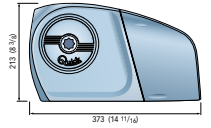
Motor Power W	Motor Voltage V	Max pull Kg	Max Working load Kg	Working load Kg	Max Absorp. A	Gypsy DIN 766 mm	Max chain Speed (m/min)	Deck thickness mm	Weight Kg	Boat dimensions m	Code
250	12	550	170	50	35	6-7-8	25,1	20-40	10,9	6-7	RE 90284
500	12	680	250	85	76	6-7-8	10,3	20-40	10,9	6-9	RE 90227
800	12	900	350	120	96	6-7-8	20,0	20-40	10,9	8-12	RE 90228
800	24	900	350	120	50	6-7-8	20,1	20-40	10,9	8-12	RE 90229

# ON DECK WINDLASSES HECTOR

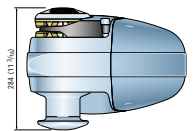


## HECTOR WINDLASSES HC3

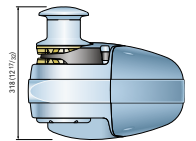
On deck windlasses with integrated solenoids unit.  
Base in anodized aluminium and jacket in composite material or in anodized aluminium  
Supplied with pressure level  
Emergency manual lift system  
Manual Free fall system



DB



XBD



700/1000/1500

## HECTOR ONLY GYPSY

Mod.	Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Chain* sizes mm DIN 766	Rope sizes mm	Max chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
HC3	700	12	90	1100	300	8 - 10	9/16" - 5/8"	26,0	7 - 10	22,60	RE 90236
HC3	700	24	50	1100	370	8 - 10	9/16" - 5/8"	29,2	7 - 10	22,60	RE 90237
HC3	1000	12	140	1300	400	8 - 10	9/16" - 5/8"	37,3	10 - 13	23,90	RE 90238
HC3	1000	24	80	1300	490	8 - 10	9/16" - 5/8"	39,6	10 - 13	23,90	RE 90239
HC3	1500	12	150	1500	450	8 - 10	9/16" - 5/8"	37,5	12 - 15	24,00	RE 90240
HC3	1500	24	85	1500	550	8 - 10	9/16" - 5/8"	40,0	12 - 15	24,00	RE 90241

## HECTOR DRUM AND GYPSY

Mod.	Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Chain* sizes mm DIN 766	Rope sizes mm	Max chain Speed (m/min)	Boat dimensions m	Weight Kg	Code
HC3D	700	12	90	1100	300	8 - 10	9/16" - 5/8"	26,0	7 - 10	24	RE 90242
HC3D	700	24	50	1100	370	8 - 10	9/16" - 5/8"	29,2	7 - 10	24	RE 90243
HC3D	1000	12	140	1300	400	8 - 10	9/16" - 5/8"	37,3	10 - 13	25,3	RE 90244
HC3D	1000	24	80	1300	490	8 - 10	9/16" - 5/8"	39,6	10 - 13	25,3	RE 90245
HC3D	1500	12	150	1500	450	8 - 10	9/16" - 5/8"	37,5	12 - 15	25,4	RE 90246
HC3D	1500	24	85	1500	550	8 - 10	9/16" - 5/8"	40,0	12 - 15	25,4	RE 90247

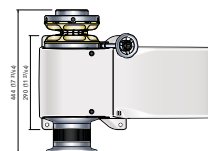
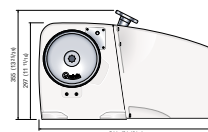
\*All models come standard with the barbotin for an 8 mm chain,  
On request the barbotins can be mounted in the table.  
On request the bell can be provided on barbotin.

# ON DECK WINDLASSES HEROES



## ON DECK WINDLASSES HEROES HR5

Horizontal on deck windlasses  
 DC motor from 1700 W to 3500 W  
 Painted alluminium base (RAL 9010)  
 With and without drum  
 Integrated solenoids  
 Emergency ratchet-operated manual lift system  
 Safety mechanical band brake  
 IP 66 protected motor



### HEROES WITHOUT DRUM

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Chain* sizes mm DIN 766	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	180	1700	500	10-12/13-14	15,3	12 - 16	RE 90770
1700	24	110	1700	600	10-12/13-14	16,9	12 - 16	RE 90771
2300	24	120	2400	850	10-12/13-14	23,3	15 - 20	RE 90772
3500	24	145	3500	1500	10-12/13-14	19,3	20 - 24	RE 90773

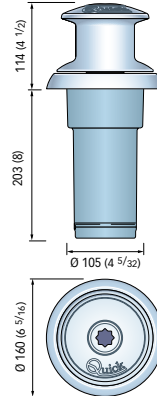
### HEROES WITH DRUM

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Chain* sizes mm DIN 766	Max chain Speed (m/min)	Boat dimensions m	Code
1700	12	180	1700	500	10-12/13-14	15,3	12 - 16	RE 90774
1700	24	110	1700	600	10-12/13-14	16,9	12 - 16	RE 90775
2300	24	120	2400	850	10-12/13-14	23,3	15 - 20	RE 90776
3500	24	145	3500	1500	10-12/13-14	19,3	20 - 24	RE 90777



### TOTEM CAPSTANS TM3

Totem Models are realized with base and drum in chromed bronze. Provided with epicyclical gearbox. That provides much higher efficiency (30-40% compared to equivalent traditional gearboxes)

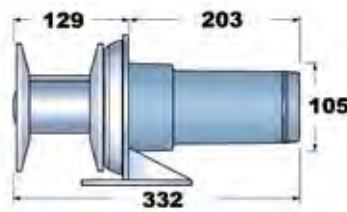


Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Deck thickness mm	Boat dimensions m	Weight Kg	Code
500	12	40	620	200	80	20 - 40	8 - 12	8,10	RE 90218
800	12	80	820	290	80	20 - 40	11 - 14	8,10	RE 90219
800	24	40	820	290	80	20 - 40	11 - 18	8,10	RE 90220



### TOTEM G CAPSTANS

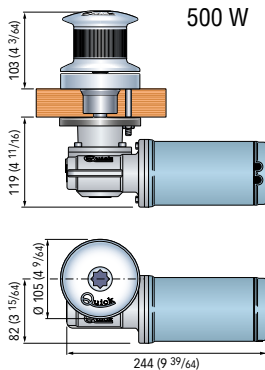
Capstans with chromed-plated bronze base and anodized aluminium drum. The Totem g range is equipped with an epicyclical gearbox, which provides much higher efficiency (30-40% compared to equivalent traditional gearboxes)



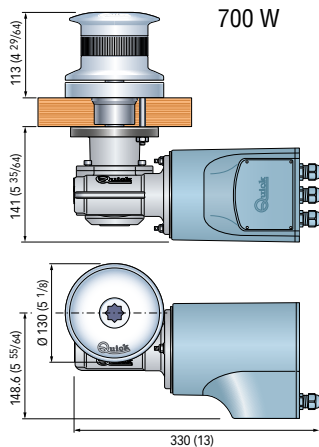
Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Deck thickness mm	Max Speed (m/min)	Weight Kg	Code
500	12	40	620	200	58	20 - 40	15,4	9,50	RE 90260
800	12	80	820	290	58	20 - 40	25,8	9,50	RE 90261
800	24	40	820	290	58	20 - 40	25,8	9,50	RE 90262

**TB2**

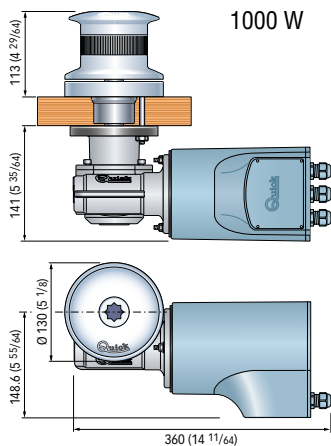
500 W

**TB3**

700 W

**TB3**

1000 W

**TUMBLER CAPSTAN TB2-TB3**

Base and drum in  
stainless steel 316  
Anodized aluminium gearbox  
IP 67 motor



Drum Ø 105 mm.



Drum Ø 130 mm.

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Deck thickness mm	Max Speed (m/min)	Boat dimensions m	Weight Kg	Code
500	12	80	660	200	105	25-50	29	6-9	7,6	RE 90048
500	24	40	660	220	105	25-50	29	6-9	7,6	RE 90049
700	12	90	850	250	130	25-50	21	7-10	15,4	RE 90050
700	24	55	850	300	130	25-50	22	7-10	15,4	RE 90051
1000	12	140	1000	370	130	25-50	25	10-13	16,8	RE 90052
1000	24	80	1000	450	130	25-50	27	10-13	16,8	RE 90053



## TUMBLER CAPSTAN TB4-TB5-TB6

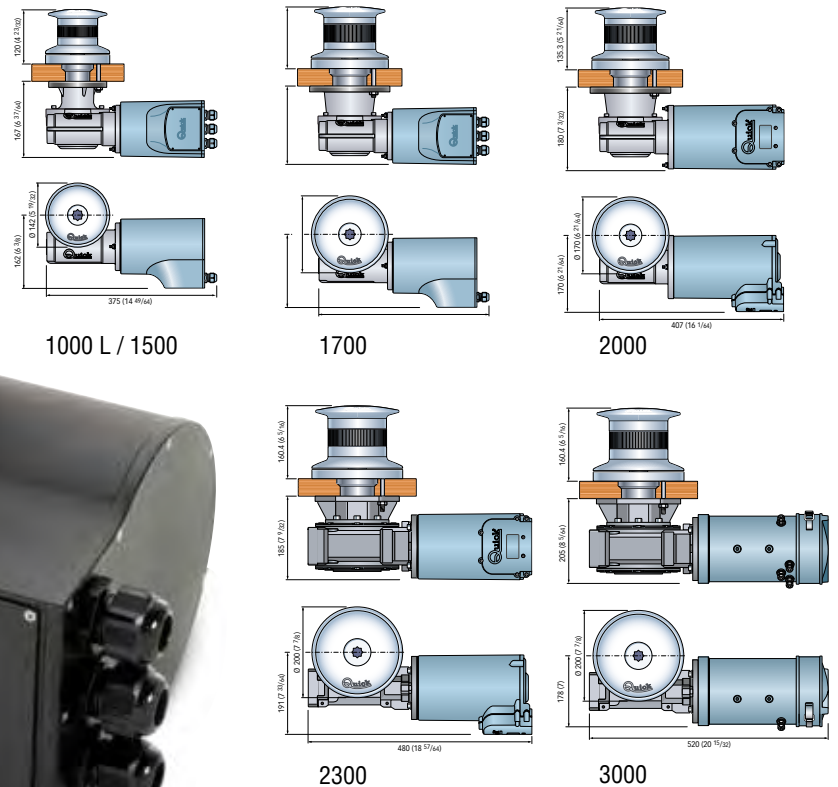
Base and drum in stainless steel 316  
Anodized aluminium gearbox  
IP 67 motor



Drum Ø 170 mm.



Drum Ø 142 mm.



Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Deck thickness mm	Max Speed (m/min)	Boat dimensions m	Weight Kg	Code
1000	12	140	1000	370	142	30-50	25	14-18	17,3	RE 90054
1000	24	80	1000	450	142	30-50	26	14-18	17,3	RE 90055
1500	12	155	1100	450	142	30-50	25	16-22	21,2	RE 90056
1500	24	85	1100	500	142	30-50	26	16-22	21,2	RE 90057
1700	24	100	1200	570	170	30-70	33,1	18-24	39	RE 90163
2000	24	115	1260	750	170	30-70	35,2	20-28	42	RE 90058
2300	24	120	2400	850	200	30-70	40	24-30	45	RE 90258
3000	24	145	3100	1200	200	30-70	37,2	26-34	55,7	RE 90259



**TUMBLER  
CAPSTANS  
TB5AC-TB6AC  
TB7AC-TB8AC  
TB5HYDRO  
TB6HYDRO  
TB7HYDRO  
TB8HYDRO**

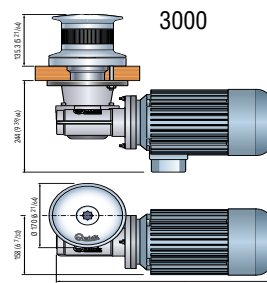
Base and drum  
in stainless steel 316  
Anodized aluminium gearbox  
IP 67 motor



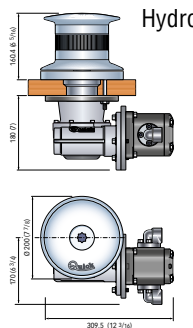
Drum Ø 300 mm



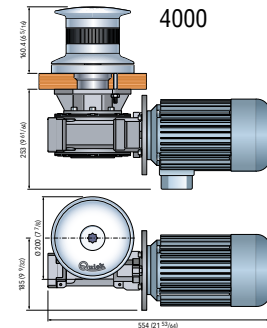
Drum Ø 200 mm



3000



Hydro



4000

Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Deck thickness mm	Max Speed (m/min)	Boat dimensions m	Weight Kg	Code
3000	230/400	-	2800	930	170	30 - 70	15	26 - 34	49,7	RE 90788
3000	230/400	-	2800	930	250	30 - 60	15	30 - 36	83	RE 90789
4000	230/400	-	3000	1000	200	30 - 70	15	30 - 36	51,7	RE 90790
4000	230/400	-	3000	1000	250	30 - 60	15	32 - 38	100	RE 90791
5500	230/400	-	4500	2000	300	30 - 60	12,5	34 - 40	120	RE 90792
7500	230/400	-	5000	2500	300	30 - 60	12,5	36 - 42	135	RE 90793

**TUMBLER HYDRO**

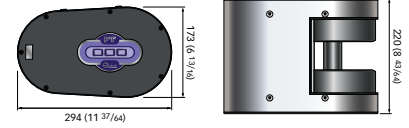
Max pressure Bar	Flow-rate l/m	Max pull Kg	Drum diameter mm	Deck thickness mm	Chain Speed m/min	Boat dimensions m	Weight Kg	Code
210	40	2000	170	30 - 70	11,5	26 - 34	25	RE 90794
210	40	2500	200	30 - 70	13	30 - 36	31,2	RE 90795
210	50	3000	250	30 - 60	12,5	32 - 38	84	RE 90796
210	40	2500	300	30 - 60	13	36 - 42	160	RE 90797

# HORIZONTAL WINDLASSES EAGLE



## PTG ON-DECK WINDLASS

This model is available in the windlass version or in a tender-recovery version  
In stainless steel AISI 316  
And anodized aluminium  
IP 67 watertight engine

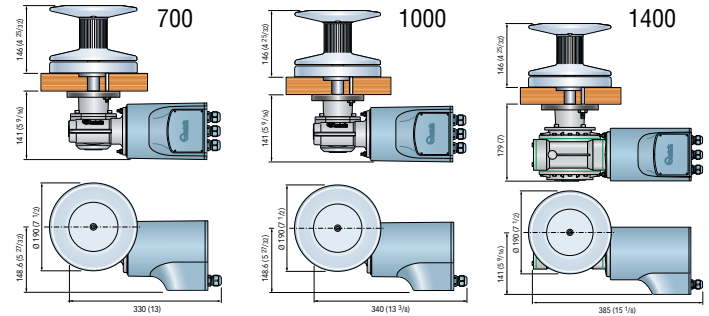


Motor Power W	Motor Voltage V	Max Absorption A	Max pull Kg	Max Working load (Kg)	Drum diameter mm	Max Speed (m/min)	Boat dimension m	Weight Kg	Code
150	12	13	260	100	-	20,8	6 - 9	10	RE 90491
250	12	22	600	220	-	20,8	8 - 12	10,5	RE 90492
350	24	16	750	250	-	21,5	8 - 12	10,2	RE 90493



## THOR CAPSTAN TH

Capstans for tender  
Aluminium base and drum  
in anodized aluminium  
in hard oxide. IP 67 motor  
Anodized aluminium gearbox

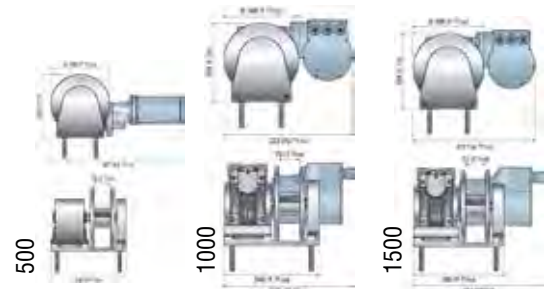


Motor Voltage W	Supply Motor V	Absorption Max A	Max pull Kg	Max load Kg	Deck thickness mm	Chain Speed m/min	Weight Kg	Code
700	12	90	850	250	25 - 50	27,4	14,2	RE 90485
700	24	55	850	300	25 - 50	26,4	14,2	RE 90486
1000	12	140	1000	370	25 - 50	39,6	15,5	RE 90487
1000	24	80	1000	450	25 - 50	40,9	15,5	RE 90488
1400	12	155	1100	450	25 - 50	33	18,5	RE 90489
1400	24	85	1100	500	25 - 50	29,7	18,5	RE 90490



## WINCHES WITH ROLLER FOR SLING THG

Base and drum in anodized aluminium  
IP 67 motor (1000/1500 W)  
IP 66 motor (500 W)  
Anodized aluminium gearbox



Motor Voltage W	Supply Motor V	Absorption Max A	Max pull Kg	Max load Kg	Deck thickness mm	Chain Speed m/min	Weight Kg	Code
500	12	85	1200	600	max 50	5,5	14,0	RE 90434
500	24	50	1200	600	max 50	5,8	14,0	RE 90435
1000	12	70	1700	750	max 50	4,2	18,9	RE 90436
1000	24	40	1700	750	max 50	4,8	18,9	RE 90437
1500	12	108	2000	1000	max 50	5,5	18,9	RE 90438
1500	24	66	2000	1200	max 50	6,8	18,9	RE 90439



# WINCHES AND ANCHORS



## CAPSTANS WITH DRUM FOR ROPE-CHAIN STRESSFREE

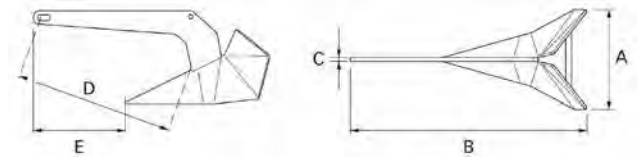
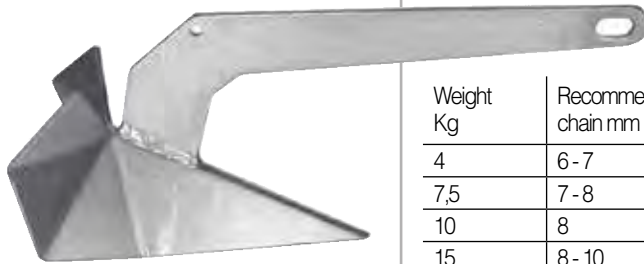
Capstans with drum for rope-chain  
AISI 316 stainless steel base and drum  
IP 67 watertight motor  
Anodized Aluminium gearbox



Motor Voltage W	Supply Motor V	Max load Kg	Drum diameter mm	Weight Kg	Boat dimension m	Series	Code
500	12	195	250	16,5	4 - 6	SF MINI 500	RE 90801
500	12	195	250	18,3	4 - 6	SF MINI 500 FF	RE 90802
500	12	195	250	17	4 - 6	SF MINI EXTRA WIDE 500	RE 90803
500	12	195	250	18,8	4 - 6	SF MINI EXTRA WIDE 500 FF	RE 90804
1400	12	250	300	22,8	6 - 7	SF MIDI 1400	RE 90805
1400	12	250	300	24,8	6 - 7	SF MIDI 1400 FF	RE 90806
1400	12	275	300	34	7 +	SF MAXI 1400	RE 90807
1400	12	275	300	35,4	7 +	SF MAXI 1400 FF	RE 90808
1700	12	350	400	44	9 +	SF MIGHTY 1700	RE 90909
1700	12	350	400	44,3	9 +	SF MIGHTY 1700 FF	RE 90810

## PLOW-SHAPED ARM ANCHORS

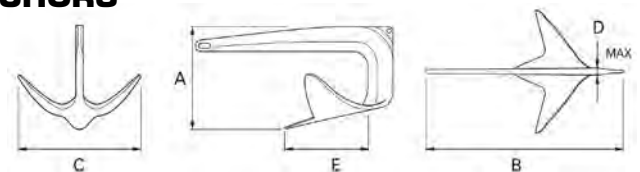
Available in AISI 316 Stainless steel  
or Hot dipped galvanized



Weight Kg	Recommended chain mm	Boat dimension m	Dimensions A-B-C-D-E mm	Code
4	6 - 7	6 - 8	240-540-10-430-245	RE 90820
7,5	7 - 8	7 - 10	300-645-12-485-260	RE 90821
10	8	8 - 11	310-700-12-510-280	RE 90822
15	8 - 10	10 - 14	375-780-13-600-310	RE 90823
20	10	13 - 16	385-790-14-610-330	RE 90824
25	10	13 - 16	415-920-16-690-385	RE 90825
32	10	13 - 16	455-970-16-730-360	RE 90826

## CLAW-SHAPED ARM ANCHORS

AISI 316 Stainless steel



Weight Kg	Recommended chain mm	Boat dimension m	Dimensions A-B-C-D-E mm	Code
5	6	6 - 8	235-505-320-15-160	RE 90830
10	8	8 - 10	290-585-390-19-195	RE 90831
15	8 - 10	8 - 10	320-680-445-18-280	RE 90832

# WINDLASSES ACCESSORIES



## MULTIPURPOSE WATERTIGHT HANDHELD REMOTE CONTROL

Designed to for remote operation of on-board electrically operated equipment: cranes, gangways, sea ladder etc.. Constructed with rubber insert to ensure high strength, long durability, perfect watertightness and a secure grip  
Supplied with 4,2 extensible cable, watertight plug and Socket and a support bracket for stowing after use

LED



N° functions	Integated lamp	Dimensions mm	Contacts A	Cable Lenght	Code
2	NO	165x62,20x49,4	4	4,2 m	RE 90083
2	LED	165x62,20x49,4	4	4,2 m	RE 90083/LED
4	NO	165x62,20x49,4	4	4,2 m	RE 90084
4	LED	165x62,20x49,4	4	4,2 m	RE 90084/LED
6	NO	165x62,20x49,4	4	4,2 m	RE 90085
6	LED	165x62,20x49,4	4	4,2 m	RE 90085/LED
8	NO	165x62,20x49,4	4	4,2 m	RE 90087
8	LED	165x62,20x49,4	4	4,2 m	RE 90087/LED

NEWS integated LED Flashlight



## CHAIN COUNTER FOR PANELS

Thanks to the introduction of a new microprocessor, it's possible to program the chain counter for different use on any windlasses  
Graphic LCD display screen easily to read at various angles  
Backlight display screen with 8 brightness levels  
Automatic display contrast compensation according to environmental temperature. Protection degee IP 67  
Supplied with 4,2m extensible cable and  
A neat stowage bracket  
Information displayed in 5 different languages  
Automatic lowering function. Up alarm function  
Chain speed displayed  
Supply voltage displayed  
Equipped with clock/calendar  
Depth of chain lowered in shower in metres or feet  
8 different display contrast levels can be set  
Backlight illuminated function keys  
CAN BUS device for data transmission

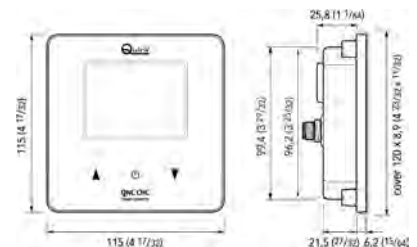


Voltage supply	Integated lamp	Dimensions mm	Max Absorbtion	Cable Lenght	Code
12/24 Vdc	LED	165x62,20x49,4	35 ma	4,2 m	RE 90088

## PANEL CHAIN COUNTER

QNC CHC is a complete and reliable tool to remotely operate the windlass and check the length of the lowered chain by means of the colour gaphic display.  
The panel surface is completely black tempered glass.

- Automatic descent function
- Up alarm function
- Anchor weighing function in case of sensor failure.
- Windlass management with auto free fall.
- Display of the lowered chain length, in metres, feet and fathom.
- Glass front
- Extremely thin profile
- Capacitive keys
- High brightness 3.5" colour gaphic display
- Multilingual user interface
- Power supply 12/24 Vdc
- Functioning over a wide range of environmental temperatures
- Protection rating IP 67
- CAN bus Communication Interface



Model	Voltage supply	Dimensions mm	Max Absorbtion	Code
QNC CHC	12 - 24 Vdc	115x115x25,8	160 mA	RE 90089



# WINDLASSES ACCESSORIES



## POCKET TRANSMITTER

N° channels	Frequency Mhz	Power supply	Weight (g)	Dimension (mm)	Operative temp.°C	Modulation	Code
2	434,420	Battery CR2450 3V Lithium	34	61x47,5x23	-15 / +70	FSK	RE 90095
4	434,420	Battery CR2450 3V Lithium	34	61x47,5x23	-15 / +70	FSK	RE 90096



## WATERTIGHT ERGONOMIC TRANSMITTER

N° channels	Frequency Mhz	Power supply	Weight (g)	Dimension (mm)	Operative temp.°C	Modulation	Code
2	434,420	3 alkaline batteries AAA	135	115x60,6x35,2	-15 / +70	FSK	RE 90090
4	434,420	3 alkaline batteries AAA	135	115x60,6x35,3	-15 / +70	FSK	RE 90091
12	434,420	3 alkaline batteries AAA	135	115x60,6x35,4	-15 / +70	FSK	RE 90094



## RECEIVERS

The receiver can be programmed to accept the signal of several transmitter with different Codes. It is also possible to operate with one transmitter and several receivers, or activate a single receiver with several transmitter, thus allowing an infinite number of combinations

## RADIO REMOTE RECEIVERS - 50 MEMORABLE TRANSMITTERS

N° channels	Frequency	Power supply	Relay contact rating (A)	Quiescent current (mA)	Code
2	434,420	10,5 - 31	15	25	RE 91050
4	434,420	10,5 - 31	15	25	RE 91051
6	434,420	10,5 - 31	15	25	RE 91052
8	434,420	10,5 - 31	15	25	RE 91053
10	434,420	10,5 - 31	15	25	RE 91054
12	434,420	10,5 - 31	15	25	RE 91057



## ANTENNAS FOR RECEIVERS QUICK CWINDOWLASSES CONTROL BOARD

Dimensions 49,8x74,8x27 mm - mod. WCS 810  
Dimensions 77,2x77,2x30 mm - mod. WCS 820

RE 91029

RE 91009

RE 91010



## WINDLASSES FOOT SWITCHES

With safety cover to prevent accidental push-button operation.

Dimensions 85x77x17

- Black anchor lowering switch
- Black anchor lifting switch
- White anchor lowering switch
- White anchor lifting switch

RE 90080  
RE 90081  
RE 90080/W  
RE 90081/W

With safety cover to prevent accidental push-button operation.

Dimensions 86x77x20

- Black anchor lowering switch
- Black anchor lifting switch
- White anchor lowering switch
- White anchor lifting switch

RE 90092  
RE 90093  
RE 90092/W  
RE 90093/W



## WINDLASSES FOOT SWITCHES

With safety cover to prevent accidental push-button operation.

Dimensions 124,4x103,5x20,5

- Adjustable UP/DOWN Indicator
- White switch
- Stainless steel switch

RE90097  
RE90098

# WINDLASSES

## ACCESSORIES



### RADIO COUNTER WITH PUSH BUTTON WHC040

- Receiver voltage: 10...30VDC
- Internal wireless rechargeable lithium ion battery (Charger included)
- IP degee: IP 67
- Chain measure from 0 to 999 meters/feet
- Monochromatic backlit gaphic LCD display 128x128 pixel
- Radio transmission 868MHz
- Possibility to control 1 windlass and 2 thrusters (6 channels)
- "Warping" mode to activate a capstan (no chain measure)
- 5 languages display
- Automatic descent function
- Up alert function
- Keyboard block function to prevent accidental activation
- Chain speed display
- Voltage display

Model	Supply voltage	Absorption Max	Dimensions	Code
WHC040	10 - 30 VDC	60 mA	170 x 80 x 50 mm	RE 91047



### EVO30 RADIO PANEL COUNTER

This radio chain counter offers the elegance of Evolution line and practice connections. The receiver is easily mounted near magnetic sensor and the instrument is mounted on flybridge connecting only the battery and anything else.

- Working frequency 868 mhz
- Indications in 5 languages
- Simple and immediate use
- Up alarm function
- Automatic descent function
- Display of the manoeuvres speed
- Display of the power supply voltage of the motor
- Choice between meters or feet as unit of measure
- High resolution LCD display
- Adjustable Lighting system display
- Adjustable Contrast display
- Universal Feeding (12-24V)
- Watertight case IP 56

Model	Supply voltage	Absorption Max	Dimensions	Code
EV 030	10 - 30 VDC	40 mA	100 x 100 x 32 mm	RE 91048



### SMART CHAIN COUNTER DISPLAY

Thanks to the Smart CHC chain counter it is possible to view the chain lowered in meters or feet even directly on your mobile phone: it is in fact configurable on smartphones (NFC technology) using a dedicated App.

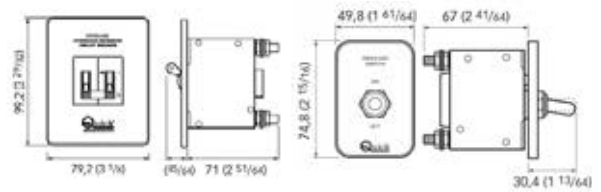
- TFT colour monitor (1.44") legible in sunlight
- APP for Android and iOS available
- Configuration from your smartphone with a simple tap thanks to the NFC connection
- IP 67 degee protection (above panel)
- Measurement of the lowered chain in metres or feet.

Model	Supply voltage	Absorption Max	Dimensions	Code
Smart CHC	9 - 32 VDC	32 mA	Ø 52 mm	RE 91049



### HYDRAULIC MAGNETIC CIRCUIT BREAKERS

Offer protection when using direct currents. In over current situation they will trip, break the circuit and protect the equipment, they may be reset manually.

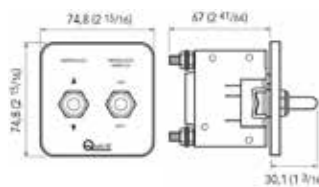


Voltage supply	Poles	Amperage	Dimensions (mm)	Code
12/24V DC	1	40 A	50x87x67	RE 91055
12/24V DC	1	50 A	50x87x67	RE 91056
12/24V DC	1	60 A	50x87x67	RE 90077
12/24V DC	1	80 A	50x87x67	RE 90078
12/24V DC	1	100 A	50x87x67	RE 90079
12/24V DC	2	150 A	79,2x99,2x71	RE 91058
12/24V DC	2	200 A	79,2x99,2x71	RE 91059



### PANEL WCS B

Is hydraulic magnetic switch for direct currents (DC) in combination with the bridge control for anchor windlass (UP/DOWN)



Voltage supply	Amperage	Dimensions mm	Temperature range	Code
12/24V DC	40 A	74,8x74,8x67	-40°C +85°C	RE 91065
12/24V DC	50 A	74,8x74,8x67	-40°C +85°C	RE 91066
12/24V DC	60 A	74,8x74,8x67	-40°C +85°C	RE 91067
12/24V DC	80 A	74,8x74,8x67	-40°C +85°C	RE 91068
12/24V DC	100 A	74,8x74,8x67	-40°C +85°C	RE 91069



### SOLENOIDS

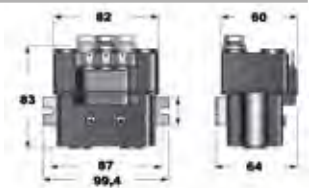
Designed to operate electric motors (such as windlasses)

Continuous rating	Voltage DC	Model	Dimensions mm	Coil commands	Stud terminal	Coil	Case materials	Code
150 A	12 V	T6215/12	57 x 55 x 83	Faston	M 8	Isolated	Zinc-steel	RE 90069
150 A	24 V	T6215/24	57 x 55 x 97	Faston	M 8	Isolated	Zinc-steel	RE 90074



### SOLENOID UNITS

Watertight units with two cabled solenoid. It is able to operate electric motors such as windlasses, gangways and capstans. Coil external connection with Faston



Model	Skein voltage	MAX voltage	MAX power engine	Interruption power 5ms	Intermittance current 5ms	Protection gade	Engine n° threads	Weight	Code
T6315-12	12 V	48 Vdc	2500 W	800 A	150 A	IP 66	3	850 g	RE 90061
T6315-24	24 V	48 Vdc	3500 W	800 A	150 A	IP 66	3	980 g	RE 90062

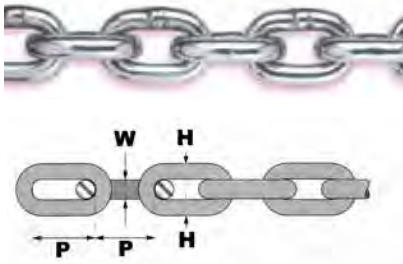


### SOLENOID UNITS

Watertight units with two cabled reversion solenoid. It is able to operate electric motors such as windlasses, gangways and capstans. Coil external connection with Faston



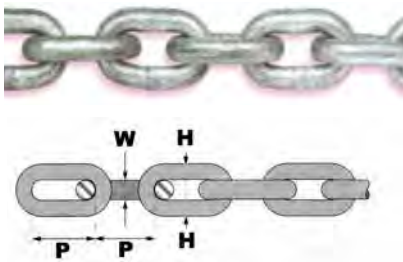
Model	Skein voltage	MAX voltage	MAX power engine	Interruption power 5ms	Intermittance current 5ms	Protection gade	Engine n° threads	Weight	Code
T6415-12	12 V	48 Vdc	2500 W	800 A	150 A	IP 66	2 o 4	850 g	RE 90065
T6415-24	24 V	48 Vdc	3500 W	800 A	150 A	IP 66	2 o 4	980 g	RE 90066



### CALIBRATED AISI 316 STAINLESS STEEL CHAIN

Suitable for the perfect functioning of Quick windlasses

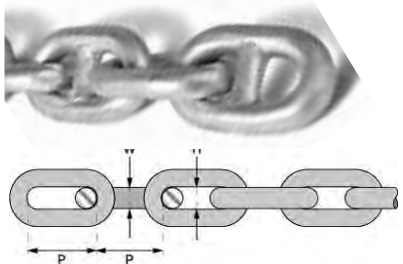
Model	Chain	Type	Pitch (P)	Height (H)	Tolerance	Lenght m	Code
Stainless steel	Ø 6 mm	DIN 766	18,5 mm	20 mm	± 0,2 mm	on request	RE 90250
Stainless steel	Ø 8 mm	DIN 766	24 mm	26 mm	± 0,3 mm	on request	RE 90251
Stainless steel	Ø 10 mm	ISO	30 mm	35 mm	± 0,4 mm	on request	RE 90252
Stainless steel	Ø 12 mm	ISO	36 mm	40 mm	± 0,5 mm	on request	RE 90253
Stainless steel	Ø 13 mm	DIN 766	36 mm	44 mm	± 0,5 mm	on request	RE 90231
Stainless steel	Ø 14 mm	DIN 766	41 mm	47 mm	± 0,6 mm	on request	RE 90232



### CALIBRATED HOT DIPPED GALVANISED CHAIN

Suitable for the perfect functioning of Quick windlasses

Model	Chain	Type	Pitch (P)	Height (H)	Tolerance	Lenght m	Code
Hot dipped galvanised	Ø 6 mm	DIN 766	18,5 mm	20 mm	± 0,2 mm	on request	RE 90254
Hot dipped galvanised	Ø 7 mm	DIN 766	22 mm	23 mm	± 0,3 mm	on request	RE 90235
Hot dipped galvanised	Ø 8 mm	DIN 766	24 mm	26 mm	± 0,3 mm	on request	RE 90255
Hot dipped galvanised	Ø 10 mm	ISO	30 mm	35 mm	± 0,4 mm	on request	RE 90256
Hot dipped galvanised	Ø 12 mm	ISO	36 mm	40 mm	± 0,5 mm	on request	RE 90257
Hot dipped galvanised	Ø 13 mm	DIN 766	36 mm	44 mm	± 0,5 mm	on request	RE 90248
Hot dipped galvanised	Ø 14 mm	DIN 766	41 mm	47 mm	± 0,6 mm	on request	RE 90249



### HOT DIPPED GALVANISED CHAIN WITH CROSS

Suitable for the perfect functioning of Quick windlasses

Model	Chain	Type	Pitch (P)	Height (H)	Lenght m	Code
Hot dipped galvanised	12,5	STUDLINK	50 mm	45 mm	on request	RE 90221
Hot dipped galvanised	16	STUDLINK	64 mm	58 mm	on request	RE 90222
Hot dipped galvanised	17,5	STUDLINK	70 mm	63 mm	on request	RE 90223
Hot dipped galvanised	19	STUDLINK	76 mm	68 mm	on request	RE 90224
Hot dipped galvanised	20,5	STUDLINK	82 mm	74 mm	on request	RE 90225
Hot dipped galvanised	22	STUDLINK	88 mm	79 mm	on request	RE 90226
Hot dipped galvanised	24	STUDLINK	96 mm	86 mm	on request	RE 90233
Hot dipped galvanised	26	STUDLINK	104 mm	93 mm	on request	RE 90234



### ANCHOR-RODE "SLIM SPLICE"

An anchor rode is the connection system between anchor and the boat and its. Sturdiness during mooring is undoubtedly essential. The critical point of the rope and chain combination is the joint. In Quick's slim splice, the splice is much slimmer and more tapered, preventing the Jamming which often occurs on the gypsy, during changeover from rope to chain. Quick's slim splice consists of a calibrated chain and a top quality 3-strand polyester. Rope, to guarantee optimum strength and life.

Model	Size chain	Lenght chain	Type	Rope mm	inc	Lenght rope	Packag.	Code
Slim Splice 6 (10-40)	Ø 6 mm	10 m	DIN 766	12,7 mm	1/2"	40 m	Bucket	RE 90400
Slim Splice 6 (10-61)	Ø 6 mm	10 m	DIN 766	12,7 mm	1/2"	61 m	Bucket	RE 90401
Slim Splice 6 (20-100)	Ø 6 mm	20 m	DIN 766	12,7 mm	1/2"	100 m	Bucket	RE 90402
Slim Splice 7 (6,1-30)	Ø 7 mm	6,1 m	DIN 766	12,7 mm	1/2"	30 m	Bucket	RE 90403
Slim Splice 8 (7,6-61)	Ø 8 mm	7,6 m	DIN 766	15,9 mm	5/8"	61 m	Bucket	RE 90405
Slim Splice 8 (7,6-30)	Ø 8 mm	7,6 m	DIN 766	14,3 mm	9/16"	30 m	Bucket	RE 90406
Slim Splice 8 (7,6-61)	Ø 8 mm	7,6 m	DIN 766	14,3 mm	9/16"	61 m	Bucket	RE 90407
Slim Splice 8 (10-61)	Ø 8 mm	10 m	DIN 766	14,3 mm	9/16"	61 m	Bucket	RE 90408
Slim Splice 8 (20-100)	Ø 8 mm	20 m	DIN 766	14,3 mm	9/16"	100 m	Bucket	RE 90409
Slim Splice 10 (10-30)	Ø 10 mm	10 m	ISO	15,9 mm	5/8"	30 m	Bucket	RE 90410
Slim Splice 10 (10-50)	Ø 10 mm	10 m	ISO	15,9 mm	5/8"	50 m	Bucket	RE 90411
Slim Splice 10 (10-61)	Ø 10 mm	10 m	ISO	15,9 mm	5/8"	61 m	Bucket	RE 90412
Slim Splice 10 (20-100)	Ø 10 mm	20 m	ISO	15,9 mm	5/8"	100 m	Bucket	RE 90413



- Bow Thrusters
- Bow Thrusters Double
- Retractable Thrusters
- Hydraulic Thrusters
- Remote controls
- Joystick remote controls
- Wire connectors
- Fibreglass tunnel

**REBAMARINE**

NAUTICAL EQUIPMENT



## BOW THRUSTERS BTQ

There are different models for different boats from 5 to 15 meters, and a thrust range from 25 to 95KGF.

The experience Quick has gained throughout years of electrical windlasses production, was fundamental for setting up the bow thrusters range

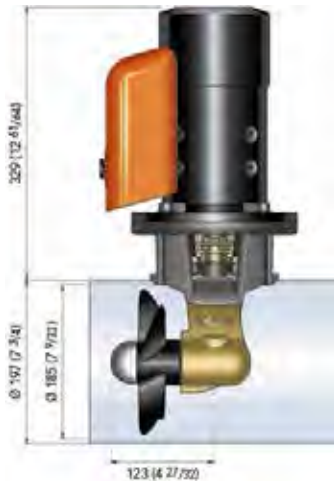
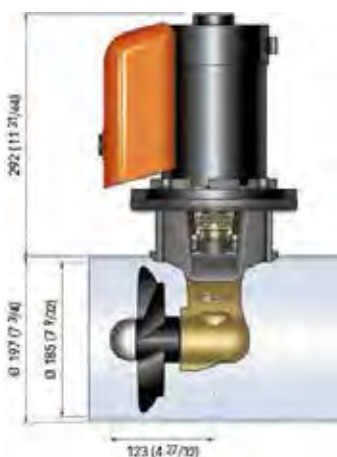
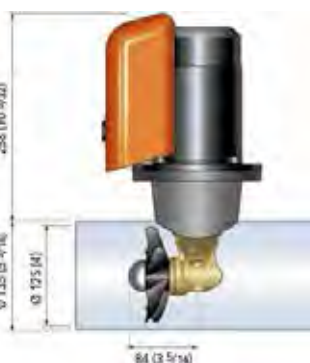
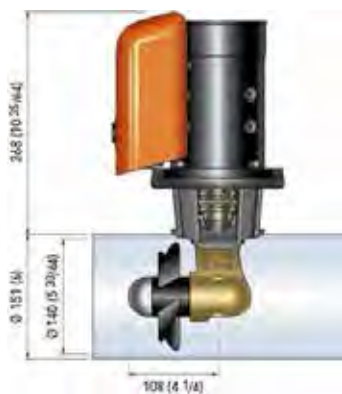
The propellers are in sturdy composite material; the gear box doesn't affect the propellers' movements and it is in bronze with zinc anodes as a protection against galvanic corrosions.

The gear box can be easily changed.

Thanks to these propellers and the engine performance, bow thrusters are perfect in any conditions.

A microprocessor guarantees high protection against overheating

The elastic coupling makes the alignment between the engine and the gear box easier and it protects the propellers' movement against tears and snatches. The case that protects the reversing contactors is made of robust composite materials.



Model	Voltage	Thrust	Tunnel	Power	Cable size	Fuses	Boat lenght	Weight	Code
BTQ1102512	12V	25 Kgf	Ø 110 mm	1 Kw	-	-	5 - 7 m	9,8 Kg	RE 90328
BTQ1253012	12V	30 Kgf	Ø 125 mm	1,3 Kw	-	-	7 - 8 m	18 Kg	RE 90329
BTQ1254012	12V	30 Kgf	Ø 125 mm	2,2 Kw	-	-	7 - 9 m	18,3 Kg	RE 90300
BTQ1403012	12V	30 Kgf	Ø 140mm	1,5 Kw	95 mm <sup>2</sup>	300 A	6 - 7 m	12,3 Kg	RE 90301
BTQ1404012	12V	40 Kgf	Ø 140mm	2,2 Kw	95 mm <sup>2</sup>	300 A	7 - 9 m	12,3 Kg	RE 90302
BTQ1805512	12V	55 Kgf	Ø 185mm	3 Kw	120 mm <sup>2</sup>	355 A	8 - 11 m	15,7 Kg	RE 90320
BTQ1805524	24V	55 Kgf	Ø 185mm	3 Kw	50 mm <sup>2</sup>	200 A	8 - 11 m	15,7 Kg	RE 90321
BTQ1807512	12V	75 Kgf	Ø 185mm	4 Kw	150 mm <sup>2</sup>	500 A	10 - 13 m	19,7 Kg	RE 90330
BTQ1807524	24V	75 Kgf	Ø 185mm	4 Kw	120 mm <sup>2</sup>	325 A	10 - 13 m	19,7 Kg	RE 90331
BTQ1809512	12V	90 Kgf	Ø 185mm	6 Kw	2 x 120 mm <sup>2</sup>	-	12 - 15 m	25,5 Kg	RE 90340
BTQ1809524	24V	90 Kgf	Ø 185mm	6 Kw	120 mm <sup>2</sup>	355 A	12 - 15 m	25,5 Kg	RE 90341





### BOW THRUSTERS DOUBLE PROPELLERS BTQ

There are different models for different boats from 8 to 30 meters, and a thrust range from 30 to 270KGF.

The experience Quick has gained throughout years of electrical windlasses production, was fundamental for setting up the bow thrusters range

The propellers are in sturdy composite material;

the gear box doesn't affect the propellers' movements and

it is in bronze with zinc anodes as a protection against galvanic corrosions.

The gear box can be easily changed.

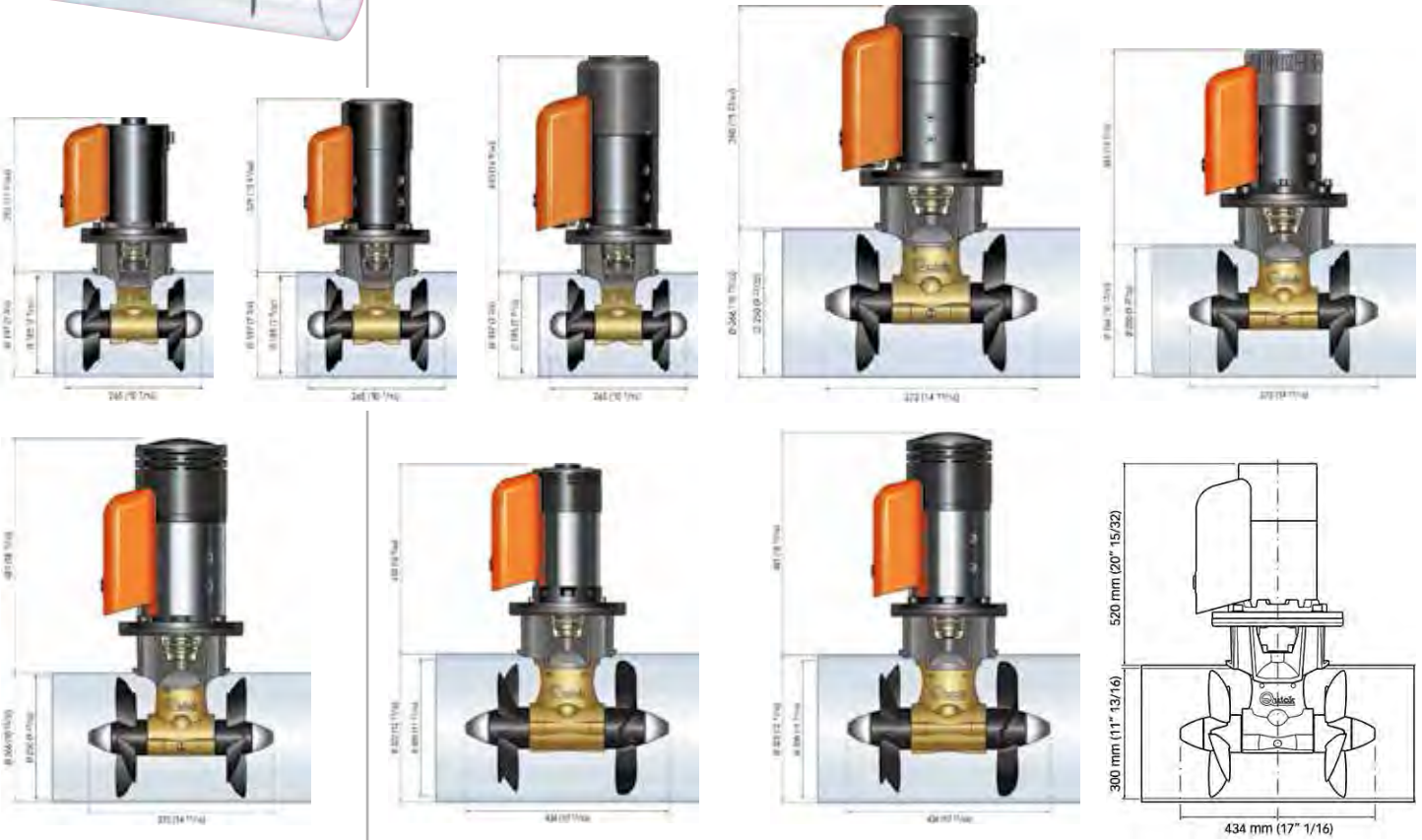
Thanks to these propellers and the engine performance, bow thrusters are perfect in any conditions.

A microprocessor guarantees high protection against overheating

The elastic coupling makes the alignment between the engine and

the gear box easier and it protects the propellers' movement against tears and snatches

The case that protects the reversing contactors is made of robust composite materials



Model	Voltage	Thrust	Tunnel	Power	Cable size	Fuses	Boat length	Weight	Code
BTQ1856512	12V	65 Kgf	Ø 185 mm	3,3 Kw	-	-	8 - 11 m	18 Kg	RE 90352
BTQ1856524	12V	65 Kgf	Ø 185 mm	3,3 Kw	-	-	8 - 11 m	18 Kg	RE 90353
BTQ1858512	12V	85 Kgf	Ø 185 mm	4,3 Kw	-	-	10 - 13 m	18,3 Kg	RE 90354
BTQ1858524	24V	85 Kgf	Ø 185 mm	4,3 Kw	-	-	10 - 13 m	18,3 Kg	RE 90355
BTQ18510512	12V	105 Kgf	Ø 185 mm	6,3 Kw	-	-	12 - 15 m	28 Kg	RE 90356
BTQ18510524	24V	105 Kgf	Ø 185 mm	6,3 Kw	-	-	12 - 15 m	28 Kg	RE 90357
BTQ25012012	12V	120 Kgf	Ø 250 mm	6,5 Kw	-	-	13 - 17 m	36,6 Kg	RE 90358
BTQ25012024	24V	120 Kgf	Ø 250 mm	6,5 Kw	-	-	13 - 17 m	36,6 Kg	RE 90359
BTQ25014024	24V	140 Kgf	Ø 250 mm	8 Kw	-	-	14 - 18 m	39,5 Kg	RE 90350
BTQ25024024	24V	240 Kgf	Ø 250 mm	10 Kw	-	-	16 - 21 m	50 Kg	RE 90351
BTQ30025024	24V	250 Kgf	Ø 300 mm	10 Kw	-	-	20 - 26 m	48 Kg	RE 90360
BTQ30027024	24V	270 Kgf	Ø 300 mm	12 Kw	-	-	23 - 30 m	55,2 Kg	RE 90361
BTQ30030048	48V	300 Kgf	Ø 300 mm	15 Kw	-	-	20 - 26 m	58,2 Kg	RE 90362



### RETRACTABLE THRUSTERS BTR

To complete its thrusters range , Quick offers its version of the disappearing propeller for highly performing yachts combining and critically re-elaborating existing market products.

Clear hydrodynamic efficiency conservation motives make a shipowner choose a disappearing propeller.

When choosing which product to install, the owner should not overlook potential risks caused by a difficult installation or by features that not ensure reliability and safety. Dual counter propeller.

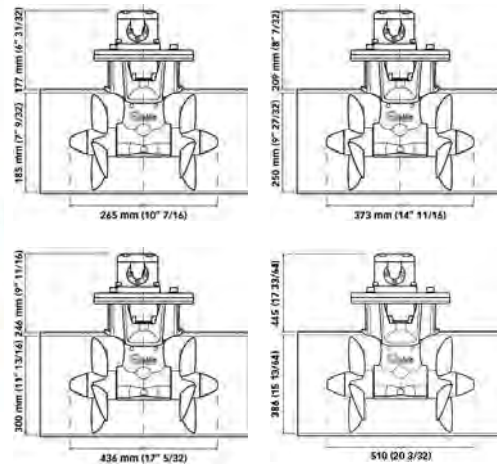


Model	Voltage	Thrust	Tunnel diam. mm / inches	Power Kw	Boat lenght	Weight	Code
BTR1856512	12 V	65 Kgf	185 mm / 7 inch	3,3Kw	8 - 11 m	47,0 Kg	RE 90303
BTR1856524	24 V	65 Kgf	185 mm / 7 inch	3,3Kw	8 - 11 m	47,3 Kg	RE 90304
BTR1858512	12 V	85 Kgf	185 mm / 7 inch	4,3Kw	10 - 13 m	47,5 Kg	RE 90305
BTR1858524	24 V	85 Kgf	185 mm / 7 inch	4,3Kw	10 - 13 m	50,5 Kg	RE 90306
BTR18510512	12 V	105 Kgf	185 mm / 7 inch	6,3Kw	12 - 15 m	57,0 Kg	RE 90307
BTR18510524	24 V	105 Kgf	185 mm / 7 inch	6,3Kw	12 - 15 m	54,5 Kg	RE 90308
BTR25012012	12 V	120 Kgf	250 mm / 9 inch	6,5Kw	13 - 17 m	82,3 Kg	RE 90391
BTR25012024	24 V	120 Kgf	250 mm / 9 inch	6,5Kw	13 - 17 m	82,3 Kg	RE 90392
BTR25014024	24 V	140 Kgf	250 mm / 9 inch	8,0Kw	14 - 18 m	85,2 Kg	RE 90393
BTR25024024	24 V	240 Kgf	250 mm / 9 inch	10Kw	16 - 21 m	90,2 Kg	RE 90394

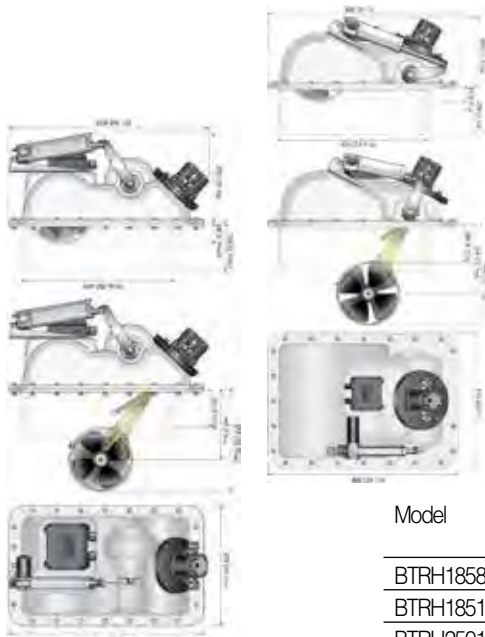


### HYDRAULIC THRUSTERS BTH

Quick enters the hydraulic world by powering its thrusters with reversible hydraulic motors gears type made in Italy. High quality production, assembly and testing standards as well as special, specific marine environment treatments make Quick hydraulic thrusters a safe and reliable component. Dual counter propeller.



Model	Displacement	Thrust Kgf	Tunnel diam.	Flow lt/min	Pressure bar	Boat length	Weight	Code
BTH18585	4,5 cc	85 Kgf	185 mm / 7 inch	17,0	250 bar	10 - 15 m	11,4 Kg	RE 90342
BTH185105	6,4 cc	105 Kgf	185 mm / 7 inch	28	190 bar	14 - 18 m	11,8 Kg	RE 90343
BTH250150	9,6 cc	150 Kgf	250 mm / 9 inch	25,5	240 bar	16 - 20 m	16,1 Kg	RE 90344
BTH250220	14,1 cc	220 Kgf	250 mm / 9 inch	41,5	180 bar	18 - 22 m	16,1 Kg	RE 90345
BTH300240	17,9 cc	240 Kgf	300 mm / 11 inch	42,5	220 bar	22 - 26 m	24,9 Kg	RE 90346
BTH300300	22 cc	300 Kgf	300 mm / 11 inch	60,0	225 bar	26 - 30 m	26,5 Kg	RE 90347
BTH300400	22 cc	400 Kgf	300 mm / 11 inch	70,0	230 bar	26 - 36 m	36 Kg	RE 90348
BTH386455	30 cc	455 Kgf	386 mm / 15 inch	90	250 bar	22 - 37 m	75 Kg	RE 90349
BTH386580	30 cc	580 Kgf	386 mm / 15 inch	110	250 bar	25 - 40 m	75 Kg	RE 90395
BTH5131000	90 cc	1000 Kgf	513 mm / 20 inch	140	250 bar	30 - 45 m	400 Kg	RE 90389



### RETRACTABLE HYDRAULIC BOW THRUSTERS BTRH

To complete its thrusters range, Quick offers its version of the disappearing propeller for highly performing yachts combining and critically re-elaborating existing market products. Clear hydrodynamic efficiency conservation motives make a shipowner choose a disappearing propeller.

When choosing which product to install, the owner should not overlook potential risks caused by a difficult installation or by features that not ensure reliability and safety double counter-rotating retractable thruster.



Model	Displacement cc	Thrust Kgf	Tunnel diam. mm / inch	Flow lt/min	Pressure bar	Boat length	Weight Kg	Code
BTRH18580	4,5	80	185 / 7	17,0	250	10 - 15	27,3	RE 90396
BTRH185105	6,4	105	185 / 7	28,0	190	14 - 18	27,5	RE 90397
BTRH250150	9,6	150	250 / 9	25,5	240	16 - 20	65,3	RE 90398
BTRH250220	14,1	220	250 / 9	41,5	180	18 - 22	65,5	RE 90399

## BOW THRUSTERS DOUBLE PROPELLERS AC BTAC

There are different models for different boats from 18 to 40 meters, and a thrust range from 200 to 460KGF.

The experience Quick has gained throughout years of electrical windlasses production, was fundamental for setting up the bow thrusters range

The propellers are in sturdy composite material; the gear box doesn't affect the propellers' movements and it is in bronze with zinc anodes as a protection against galvanic corrossions.

The gear box can be easily changed.

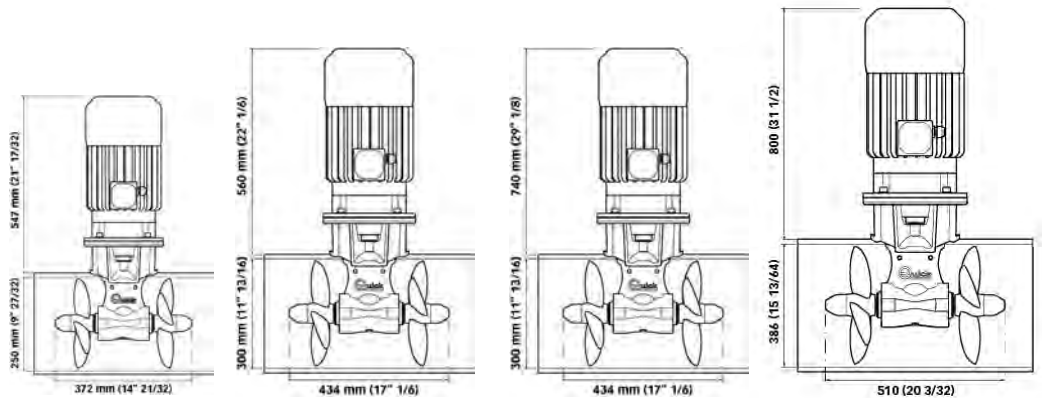
Thanks to these propellers and the engine performance, bow thrusters are perfect in any conditions.

A microprocessor guarantees high protection against overheating

The elastic coupling makes the alignment between the engine and

the gear box easier and it protects the propellers' movement against tears and snatches

The case that protects the reversing contactors is made of robust composite materials.



Model	Voltage	Thrust	Tunnel	Power	Cable size	Fuses	Boat length	Weight	Code
BTAC250200380	380 VAC	200 Kgf	Ø 250mm	9,2Kw	-	-	18- 22m	18 Kg	RE 90332
BTAC300300380	380 VAC	300 Kgf	Ø 300mm	15 Kw	-	-	26- 30m	131,4 Kg	RE 90334
BTAC300350380	380 VAC	350 Kgf	Ø 300mm	22 Kw	-	-	28- 34m	192,8 Kg	RE 90335
BTAC386420380	380 VAC	420 Kgf	Ø 386mm	22 Kw	-	-	22- 37m	173 Kg	RE 90336
BTAC386460380	380 VAC	460 Kgf	Ø 386mm	30 Kw	-	-	25- 40m	230 Kg	RE 90337
BTAC513100380	380 VAC	1000 Kgf	Ø 513mm	75 Kw	-	-	32- 48m	800 Kg	RE 90339

## AC POWER CONTROL

Device for the electrical connections of the thruster with AC motor

Code  
RE 90338

## SPEED CONTROLS AC-DC MOTORS AC SPEED CONTROL MOTOR

Quick offers the latest generation inverters to operate PCS and AJ1 proportional controls of windlasses and manoeuvre propellers equipped with AC motors. With a power range from 11 kW to 90 kW the inverters cover the whole range of Quick products with AC motors. The inverter is a variator designed to ensure continuity in your processes, designed for movement applications. Thanks to the innovative technology used and new communication features, the variator controls and monitors energy consumption. It has been designed to be used in extreme environments; it is compact, modular and adjustable, suitable for new installations, retrofits and upgrades of existing plants. Designed according to sustainable development logics, it complies with international standards such as the RoHS-2 Directive and REACH regulation.

**Features and benefits:** Type of assembly => Wall. Range of power => 380...480V (50-60Hz). Transient over-torque up to 180%. Integrated STO SIL 3 safety function. Integrated category C2/C3 filter EC, UL, CSA, Gost, EAC Certifications. Motor cable length up to 150 m (with shielded cables). Integrated dual Ethernet port. Access to technical documentation via QR code. Continuous measurements in real-time. Operating temperature -15 +50°C. Remote graph terminal, integrated web server. IP55 version available upon request.

INV11KV inverter 11 Kw - 400 V - IP 20

RE 90363

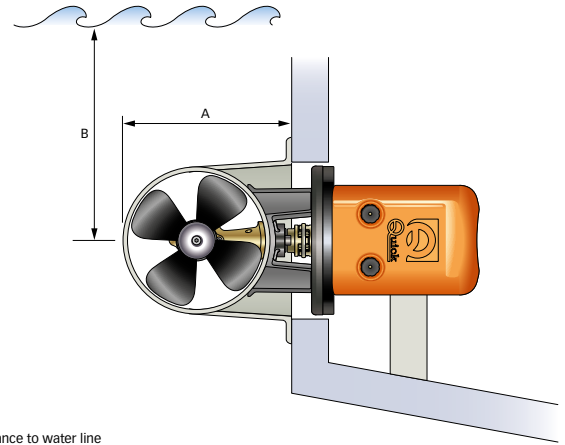
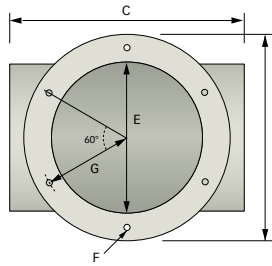
INV15KV inverter 15 Kw - 400 V - IP 20

RE 90364

## TUNNELS FOR STERN THRUSTERS

Thrusters groups for external installation on the transom.

The kit is composed of a flanged polyester and fibreglass tunnel perfectly suited to fit electric or hydraulic Quick thrusters.



B : distanza dalla linea di galleggiamento / distance to water line  
 D : diametro esterno della flangia / external flange diameter  
 E : diametro interno della flangia / internal flange diameter  
 F : diametro fori per bulloni / bolt holes diameter  
 G : distanza tra il centro della flangia e il centro del foro / bolt position radius from the centre

Model	Propulsion systems	Diameter mm/inch	Materials	Code
BTQ 140	Single propeller	140 / 5,5	Fibreglass	RE 90365
BTQ/BTQH 185	Single propeller	185 / 7,3	Fibreglass	RE 90366
BTQ/BTQH 250	Double propeller	250 / 9,8	Fibreglass	RE 90367
BTQ/BTQH 300	Double propeller	300 / 11,8	Fibreglass	RE 90368

## FIBREGLASS TUNNEL FOR BOW THRUSTER

Materials: fibreglass

Possible to adapt at various type of bow thrusters

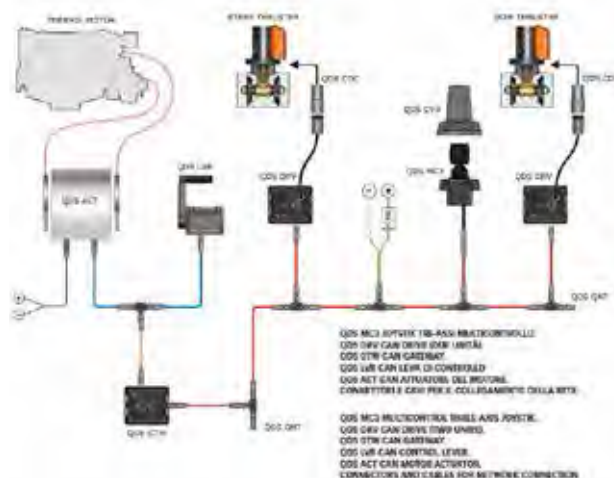
For any diameter exist different length



Model	Diameter	Lenght mm	Materials	Weight	Code
SAPVTL 140075	140 mm	750 mm	Fibreglass	3,3 Kg	RE 90370
SAPVTL 140100	140 mm	1000 mm	Fibreglass	4,4 kg	RE 90371
SAPVTL 140150	140 mm	1500 mm	Fibreglass	6,6 Kg	RE 90372
SAPVTL 140200	140 mm	2000 mm	Fibreglass	8,8 Kg	RE 90373
SAPVTL 140200	140 mm	3000 mm	Fibreglass	13,2 Kg	RE 90374
SAPVTL 185100	185 mm	1000 mm	Fibreglass	7,0 kg	RE 90375
SAPVTL 185150	185 mm	1500 mm	Fibreglass	10 kg	RE 90376
SAPVTL 185200	185 mm	2000 mm	Fibreglass	14 kg	RE 90377
SAPVTL 185300	185 mm	3000 mm	Fibreglass	21 Kg	RE 90378
SAPVTL 250100	250 mm	1000 mm	Fibreglass	10,5 Kg	RE 90379
SAPVTL 250150	250 mm	1500 mm	Fibreglass	15,7 Kg	RE 90380
SAPVTL 250200	250 mm	2000 mm	Fibreglass	21 Kg	RE 90381
SAPVTL 250200	250 mm	3000 mm	Fibreglass	31,5 Kg	RE 90382
SAPVTL 300100	300 mm	1000 mm	Fibreglass	-	RE 90383
SAPVTL 300150	300 mm	1500 mm	Fibreglass	-	RE 90384
SAPVTL 300200	300 mm	2000 mm	Fibreglass	-	RE 90385
SAPVTL300300	300 mm	2000 mm	Fibreglass	-	RE 90386

## QUICK DOCKING SYSTEM QDS

The QDS (Quick Docking System) was designed to carry out the mooring operations easily and intuitively by using the bow and stern thrusters and the boat's thermal motor. The system is made up by different components linked by a CAN bus network, allowing a simple and safe installation guaranteeing a high operating reliability. Thanks to the QDS MC3 joystick, the boat can be moved forward or backward, turned clockwise/anticlockwise, perform a translation towards the right or the left and move independently either the bow or the stern to the right or left.



## 3 AXIS MULTIFUNCTION JOYSTICK QDS MC3

Simple and intuitive user interface. Universal power supply (9/32 Vdc). Can work in a wide range of ambient temperatures. Possibility of connecting several QDS MC3 remote controls in parallel. Acoustic signals (that can be deactivated). Graphic LCD display; can be easily read from any angle. Backlit display screen with 8 brightness levels. 8 different display contrast levels can be set. Automatic display contrast compensation according to ambient temperature. Backlit function keys.

CAN bus interface for data transfer

RE 90910

QDS ACT CAN CONTROL LEVER

RE 90911

QDS DRV - CAN DRIVE

RE 90912

QDS GTW - CAN GATEWAY

RE 90913



## POCKET TRANSMITTERS

Nr. of relays	Frequency	Power supply	Weight	Dimensions mm	Code
4	434,420 Mhz	CR2450 3V litio alkaline batteries	34 g	61x47,5x23	RE 90319
4	434,420 Mhz	CR2450 3V litio alkaline batteries	34 g	61x47,5x23	RE 90309



## WATERPROOF TRANSMITTERS

Nr. of relays	Frequency	Power supply	Weight	Dimensions mm	Code
4	434,420 Mhz	3 alkaline AAA batteries	135 g	115x60,6x35,2	RE 90322
8	434,420 Mhz	3 alkaline AAA batteries	135 g	115x60,6x35,2	RE 90323



## RECEIVER

Nr. of relays	Frequency	Power supply Voltage	Relay current carrying capacity	Power absorption in stand-by mode	Code
4	434,420 Mhz	10,5 - 31	15 A	25 mA	RE 90324
6	434,420 Mhz	10,5 - 31	15 A	25 mA	RE 90325

## PARALLEL/SERIES SWITCH PSS24-PSS48

This device allows the installation of a propeller with a 24 Vdc motor (or 48 Vdc for PSS48) on boats with 12 Vdc electrical system (or 24 Vdc for PSS48) by use of an additional battery pack (12V and 24V PSS24 for PSS48) .

PSS24

RE 90326

PSS48

RE 90327





## REMOTE CONTROLS

The TCD remote control systems have been designed for controlling bow thrusters. Two different models available:

TCD 1042 Joystick in anti-UV silicon rubber

TCD 1022 with direction buttons.

Easy to use, quick to install

LED indicators

Clear and refined figure with rollaway screws

Can work in a wide range of ambient temperatures

Automatic priority system

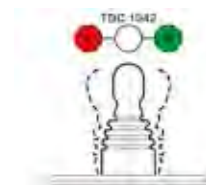
Automatic disablement

Protection against reverse polarity, short circuit output,

Prolonged activity of motor and interruption

of thruster control wiring.

Possibility of connecting more TCD controls in parallel



Model	Interface	Current capacity	Supply voltage	Dimensions including frame	IP protection	Code
TCD 1022	Direction buttons	4 A	8-30 V	78 x 78 mm	IP 66	RE 90310
TCD 1042	Joystick	4 A	8-30 V	78 x 78 mm	IP 66	RE 90311
TCD 1044	2 joystick	4 A	8-30 V	78 x 131 x 113 mm	IP 66	RE 90317
TDC 1062	1 joystick + TSC	4 A	8-30 V	78 x 131 x 113 mm	IP 66	RE 90318

## THRUSTER MAIN SWITCH TSC

Input voltage: 8 – 31 Vdc

Operating temperature: – 20°C +70°C

Dimensions (mm): 78 x 65 x 78

Weight: 80 g

Code

RE 90387

## TMS REMOTE CONTROL

Input voltage: 8 – 31 Vdc

Operating temperature: – 20°C +70°C

Dimensions (mm): 280 x 90 x 226

Weight: 2200 g

Code

RE 90388

## FUSES AND FUSE HOLDERS

FUSE HOLDERS 200-600 A

FUSES 200 A

FUSES 225 A

FUSES 250 A

FUSES 275 A

FUSES 300 A

FUSES 355 A

FUSES 400 A

FUSES 500 A

RE 90390

RE 10206

RE 10207

RE 10208

RE 10209

RE 10210

RE 10211

RE 10212

RE 10213

## EXTENSIONS

Length	Extension	Code
6 meters	Cabled extension of 6 meters	RE 90312
12 meters	Cabled extension of 12 meters	RE 90313
18 meters	Cabled extension of 18 meters	RE 90314
24 meters	Cabled extension of 24 meters	RE 90315

## Y WIRE TO SPLIT THE CONTROLS

RE 90316

# PCS-PROPORTIONAL CONTROL SYSTEM



RE 90920



RE 90921



RE 90922



RE 90923



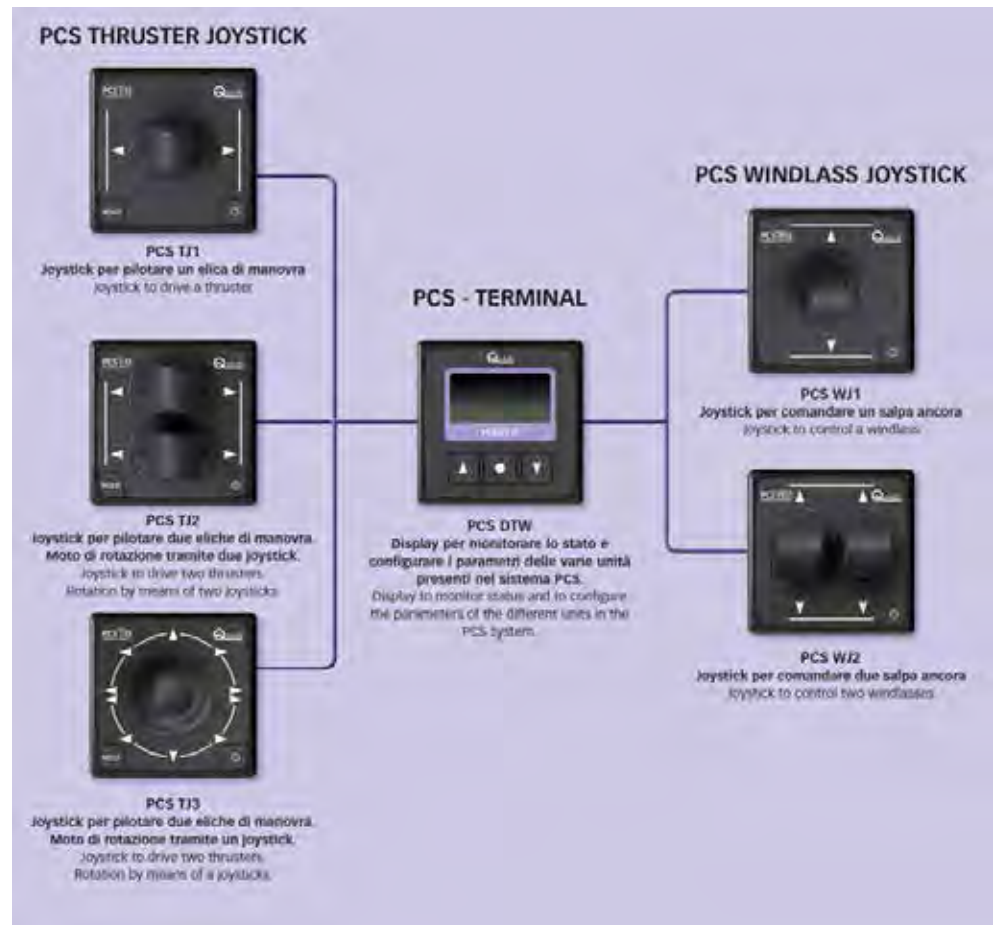
RE 90924



RE 90925

## THE PCS IS A PROPORTIONAL CONTROL SYSTEM FOR QUICK THRUSTERS AND WINDLASSES.

The system is made up of various units including the controls (lever and joystick), the graph terminal and the interfaces with (electric, hydraulic and protocol) actuators. The main characteristics of the system are a simple and intuitive user interface, a plug & play installation among the different units present on the CAN-BUS network, operation over a wide ambient temperature range, and a protection rating of IP67. Several features make the control devices safe and functional such as the automatic priority system that enables one control at a time and sound and light signals.



PCS DTW Terminal display  
 PCS WJ1 joystick to control a windlass  
 PCS WJ2 joystick to control two windlasses  
 PCS TJ1 joystick to control a thruster  
 PCS TJ2 joystick to control two thrusters  
 PCS TJ3 joystick to control two thrusters

RE 90920  
 RE 90921  
 RE 90922  
 RE 90923  
 RE 90924  
 RE 90925



# 16 WINDSCREEN WIPERS



- Windscreen wiper motors
- Pendulum arms
- Pantograph arms
- Blades for flat screens
- Blades for curved screens
- Control panels

# 16

speich

## REBAMARINE

NAUTICAL EQUIPMENT

# WINDSCREEN WIPERS

## “NAUTIC E” SERIES

speich



### MOTOR UNIT E SERIES

It is possible to change the wiping angle and to choose the parking position.

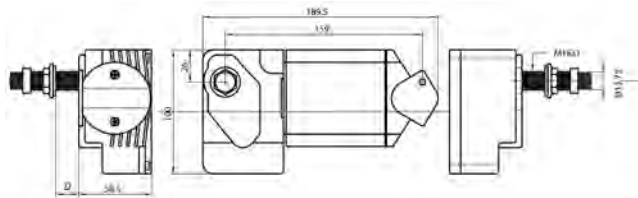
Two speeds.

Right or left adjustable limit stop

Torque 12Nm

Wiping angle available:

45°- 60°- 70°- 80°- 90°- 100°- 110°



### PIVOT

Model	Pivot	Wall thickness mm	Supply voltage V	Current rating ansorbed		Starting PoWer		Speed N°	Stroke per minute	Code
				Speed 1	Speed 2	Speed 1	Speed 2			
E 1238	Short	5 ÷ 12	12	35 W	40 W	100 W	110 W	2	70/110	RE 80569
E 2438	Short	5 ÷ 12	24	35 W	40 W	100 W	110 W	2	70/110	RE 80570
E 1264	Medium	15 ÷ 35	12	35 W	40 W	100 W	110 W	2	70/110	RE 80571
E 2464	Medium	15 ÷ 35	24	35 W	40 W	100 W	110 W	2	70/110	RE 80572
E 1290	Long	38 ÷ 60	12	35 W	40 W	100 W	110 W	2	70/110	RE 80571/L
E 2490	Long	38 ÷ 60	24	35 W	40 W	100 W	110 W	2	70/110	RE 80572/L

Available angles: 45° 60° 80° 110°

The other four angles( 50° 70° 90° 100°) are available substituting a card inside the engine



### WINDSCREEN ARMS E SERIES

In stainless steel AISI 316

Pendulum or pantograph version

Adjustable length 280 ÷ 550 mm

Length can be adjusted

With nozzle on the arm

If requested



Model	Type	Connection	Dimensions	Code
E 95 P	Pantograph	Saddle	from 280 to 550 mm	RE 80573
E 95 F	Pendulum	Saddle	from 280 to 550 mm	RE 80574



### BLADES FOR WINDSCREEN WIPER E SERIES

Model	Length	Connection	Ø Connection	Code
E37- 280	280 mm	Bayonet	7 mm	RE 80575
E37- 330	330 mm	Bayonet	7 mm	RE 80576
E37- 400	400 mm	Bayonet	7 mm	RE 80577
E37- 450	450 mm	Bayonet	7 mm	RE 80578
E37- 500	500 mm	Bayonet	7 mm	RE 80579

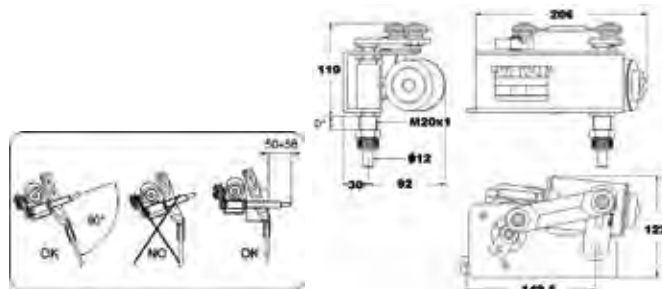
# WINDSCREEN WIPERS

## “NAUTIC LP” SERIES



### MOTOR UNIT LP SERIES

It is designed to prepare a custom installation  
 Easy to modify arm length,  
 wiping angle and park position side even  
 when the system is already installed  
 Adjustable end run left or right  
 Available wiping angle: 40° ÷ 90°  
 The basic angle is 60°  
 Each regulation can be made  
 Even when the motor is installed  
 Stainless steel pendulum arms  
 Or pantograph up to 800 mm



#### PIVOT 40mm

Model	Wall thickness mm	Supply V	Current rating abs.		Starting PoWer		Speed N°	Stroke per minute	Couple	Weight Kg	Code
			Speed 1	Speed 2	Speed 1	Speed 2					
LP1240	40 ± 5	12	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80527
LP2440	40 ± 5	24	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80528

#### PIVOT 60mm

Model	Wall thickness mm	Supply V	Current rating abs.		Starting PoWer		Speed N°	Stroke per minute	Couple	Weight Kg	Code
			Speed 1	Speed 2	Speed 1	Speed 2					
LP1260	60 ± 5	12	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80529
LP2460	60 ± 5	24	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80530

#### PIVOT 80mm

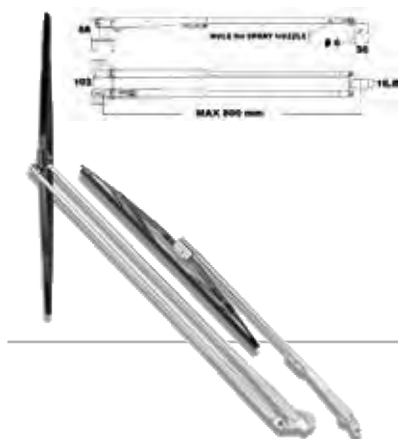
Model	Wall thickness mm	Supply V	Current rating abs.		Starting PoWer		Speed N°	Stroke per minute	Couple	Weight Kg	Code
			Speed 1	Speed 2	Speed 1	Speed 2					
LP1280	80 ± 5	12	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80531
LP2480	80 ± 5	24	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80532

#### PIVOT 100mm

Model	Wall thickness mm	Supply V	Current rating abs.		Starting PoWer		Speed N°	Stroke per minute	Couple	Weight Kg	Code
			Speed 1	Speed 2	Speed 1	Speed 2					
LP12100	100 ± 5	12	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80531/L
LP24100	100 ± 5	24	50 W	85 W	300 W	480 W	2	70-90	45 Nm	3,3 Kg	RE 80532/L

### ARMS FOR LP SERIES

AISI stainless steel brushed natural colour  
 Adjustable length with a maximum length of 800mm  
 The model depends on dimensions and screen type  
 You can adjust blade inclination in the pantograph model  
 for making it parallel to the screen  
 LP arms have a nozzle  
 With thru - hull



Model	Type	Connection	Dimensions	Code
L 97 P	Pantograph	Bayonet	550 - 800 mm	RE 80539
L 97 F	Pendulum	Bayonet	550 - 800 mm	RE 80540

### BLADES FOR LP SERIES

Blades for curved screens and u-shaped connection of 16.5x48mm Ø 6mm

Model	Length	Type Connection	Length Connection	Code
BH500	500 mm	U - Shaped	16,5 mm	RE 80595
BH550	550 mm	U - Shaped	16,5 mm	RE 80596
BH600	600 mm	U - Shaped	16,5 mm	RE 80589
BH650	650 mm	U - Shaped	16,5 mm	RE 80597
BH700	700 mm	U - Shaped	16,5 mm	RE 80590
BH800	800 mm	U - Shaped	16,5 mm	RE 80598



### ESB ROCKER SWITCH

ESB rocker switch with three ON positions is suitable to drive two speeds wiper motors that don't require dynamic parking. Three position rocker switch ON-ON-ON.

Model	Supply	Max current	Engine models	Engine N°	Speed	Intermitt.	Operative temperature	Inlet hole mm	Code
ESB	12/24V	20/15A	E-LP-M	1	2	No	-40°C + 85°C	37 x 21	RE 80609



### MULTIFUNCTION CT SERIES SWITCHES

Ultra-compact controls for engines at single or double speed, supply at 12V and at 24V  
 This system manages one (CT41) two (CT42) wiper motor, synchronizing then in the continuous function (two speed) or in the intermittence  
 It manages the windscreen washing cycle as well using an electrovalve or a pump  
 It fits to every engine type and with every parking switches  
 Surcharge protection PTC. 3 intermittence levels. Automatic parking with engine brake  
 Washing cycle. Dimmer input. Its dimensions suit standard switches  
 Reverse polarity protection

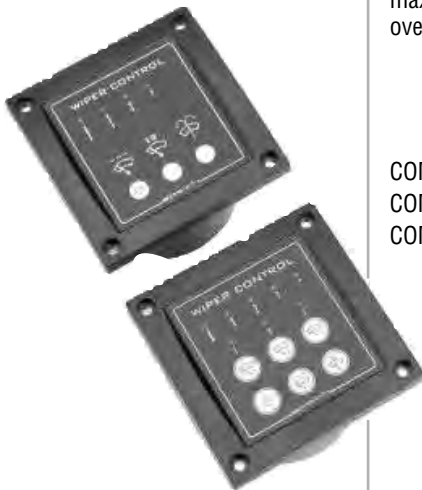
Model	Supply	Engine models	Engine N°	Speed	Intermittance	Dimensions mm	Inlet hole mm	Code
CT41	12/24V	E-LP-M	1	2	3	24x49,5x78	21x36,5	RE 80610
CT42	12/24V	E-LP-M	2	2	3	24x49,5x78	21x36,5	RE 80611



### CONTROL SYSTEM LMS

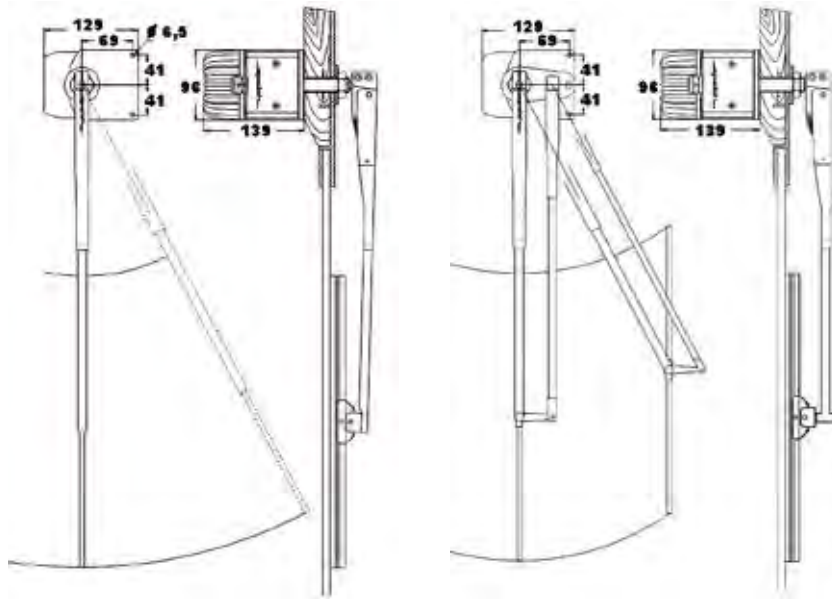
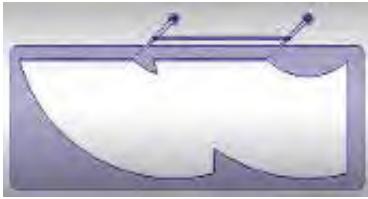
The control system LMS is developed for two speeds wiper motors with a voltage from 12V up to 24V DC. The wiper arms movement is synchronized in all working modes.  
 Synchronization is obtained by imperceptibly stopping the motors that arrive firstly to the park position.

LMS Modular system consists of two components: the control panel (LMS.E) and the power module (LMS.P). Each power module can control up to three wiper motors and up to three modules can be connected together. The main features of this system are:  
 power supply: multivoltage from 12V up to 24V DC;  
 possibility to drive 9 wipers and 1 auxiliary;  
 wiper working mode in continuous high and low speed, and three steps of interval delays;  
 maximum current for each motor: 8A  
 maximum current for auxiliary: 5A  
 overload protection by means of automatic fuses (PTC).



CONTROL PANEL  
 CONTROL FOR TWO WIPERS  
 CONTROL FROM 3 TO 9 WIPERS

RE 80617  
 RE 80618  
 RE 80619



### MOTOR UNIT M SERIES

It is designed to be used on medium sized windscreen wipers installed on work boats for civil and military applications. It has variable wiping angle and for heavy duty applications.

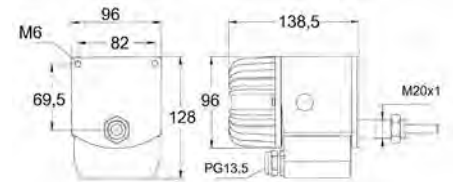
Self parking position can be set either left or right

Capacitor included. IP 50 Protection grade

Wiping angle with gear AA: 70° 75° 80° 85° 90°

Wiping angle with gear AB: 45° 50° 55° 60° 65°

Wall width 15 – 30 – 45 – 60 – 100mm



Model	Supply	Current rating	Starting power	Couple Nm	Stroke per minute	Weight Kg	Code
M 012	12 V	55 W	220 W	4,5 Nm	90	2,6	RE 80580
M 024	24 V	55 W	220 W	4,5 Nm	90	2,6	RE 80581

### M SERIES WIPER ARMS

In AISI316 stainless steel in hand-polished natural colour

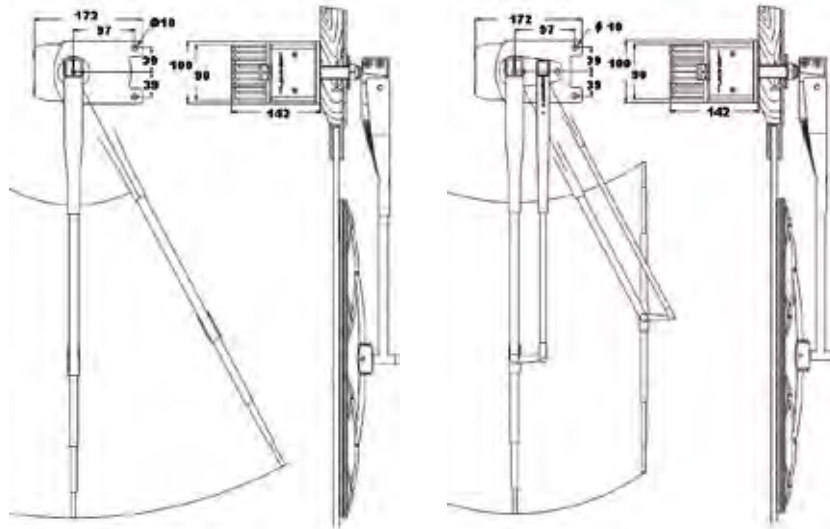
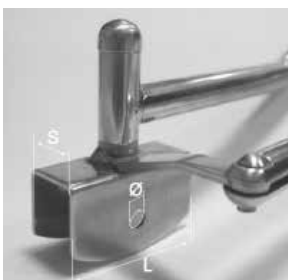
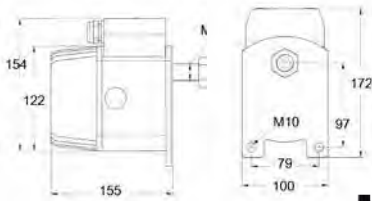
On request it is possible to supply arms in black

Arms length from 300mm to 900mm.



Model	Type	Connection	Dimensions	Max blade length	Material	Code
M 70	Pendulum	U - Shaped	from 300 to 950 mm	800 mm	Steel	RE 80582
M 72 P	Pantograph	U - Shaped	from 300 to 650 mm	600 mm	Steel	RE 80583
M 72 P	Pantograph	U - Shaped	from 700 to 900 mm	800 mm	Steel	RE 80599

# PROFESSIONAL WINDSCREEN WIPERS



## MOTOR UNIT S SERIES

Motor unit type S is used when powerful wipers with arms up to 1200 mm and blades up to 1300mm in length are needed. For big yachts

Available wiping angles: 30° - 35° - 40° - 45° - 50° - 55° - 60° - 65° - 70° - 75° - 80° - 85° - 90°

Max arms length pendulum 1800mm pantograph 1500mm. Max blade length 1500 mm

Wall thickness 15-30-45-60-100 mm

Model	Supply	Nominal rating	Starting power	Starting torque	Stroke per minute	Weight Kg	Code
S12	12V	85W	420W	4,5 Nm	90	4,5	RE 80601
S24	24V	85W	420W	4,5 Nm	90	4,5	RE 80602

## WIPER ARMS S SERIE

The arms are custom made using AISI316 stainless steel, hand.polished.

On request it is possible to supply the arms in black

Arms length depends on screen dimensions and shape.

Model	Type	Connection type	Dimensions mm	Max blade length	Code
SP 91 F	Pendulum	U-Shaped	from 500 to 1200	1000 mm	RE 80603
SP 91 P	Pantograph	U-Shaped	from 500 to 1200	1000 mm	RE 80604

## BLADES FOR M AND S SERIES WIPERS

Blade model	Fixing width	Ø Fixing mm	Fixing length	Fixing type	Length mm	Application	Code
MG	11 mm	5	25 mm	U - Shaped	300	Rigid blades for flat screens	RE 80584
MG	11 mm	5	25 mm	U - Shaped	350	Rigid blades for flat screens	RE 80585
MG	11 mm	5	25 mm	U - Shaped	400	Rigid blades for flat screens	RE 80586
MG	11 mm	5	25 mm	U - Shaped	450	Rigid blades for flat screens	RE 80587
MG	11 mm	5	25 mm	U - Shaped	500	Rigid blades for flat screens	RE 80588
BH	16,5 mm	6	48 mm	U - Shaped	600	Blades for curved screens	RE 80589
BH	16,5 mm	6	48 mm	U - Shaped	700	Blades for curved screens	RE 80590
BH	16,5 mm	6	48 mm	U - Shaped	800	Blades for curved screens	RE 80598
BH	16,5 mm	6	48 mm	U - Shaped	900	Blades for curved screens	RE 80557
BH	16,5 mm	6	48 mm	U - Shaped	1000	Blades for curved screens	RE 80558
BH	16,5 mm	8	48 mm	U - Shaped	1200	Blades for curved screens	RE 80559



### DCS CONTROL SYSTEM

The Distributed Control System (DCS) is designed for the management of SPEICH windscreen wiper motors and window auxiliary devices. It consists of a microcontrollers network, integrated on board of each motor, in communication via CAN bus. For a pantograph/pendulum wipers system, DCS have the following features: perfect synchronization of the wipers in all operating conditions, both in continuous and intermittent operation mode.

Synchronization occurs even if the wipers are different in dimensions and wiping angles; the management of the wipers in groups that can have different working modes, each other independent; wiring simplified due to a reduced number of wires, standard connectors and items connected one to the other like in a chain;

great flexibility in varying the composition of the groups, modifying the park position side and adding items to the system (control panels, wiper motors and auxiliary) even after installation; management of auxiliary devices (electrovalves for water).

CAN bus commands can be generated from a control panel, with a standard keypad from us proposed, from a gateway connected with switches installed by the customer on the consolle or directly from the integrated bridge system.



Control for 1 windscreen wiper  
Control up to 2 windscreen wiper  
Control up to 3 windscreen wiper  
Control up to 4 windscreen wiper  
Control up to 5 windscreen wiper  
Control up to 6 windscreen wiper  
Control up to 7 windscreen wiper  
Gateway DCS.GW

RE 80620  
RE 80621  
RE 80622  
RE 80623  
RE 80624  
RE 80625  
RE 80626  
RE 80627

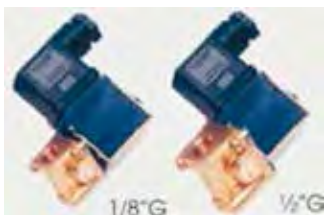


### WALL MOUNTING SPRAY NOZZLES

Made in chromed brass, 10 mm hole diameter  
Threading 1/8 "G

ADJUSTABLE LITTLE SPRAY NOZZLES EZZ  
ADJUSTABLE BIG SPRAY NOZZLES NZZ  
ADJUSTABLE HEATED SPRAY NOZZLES NZZH

RE 80591  
RE 80592  
RE 80593



### SOLENOID VALVES

ELVAL.012 solenoid valve 1/8" G12V  
ELVAL.024 solenoid valve 1/8" G24V  
ELVAL.220 solenoid valve 1/8" G220V  
ELVAL.0241/2 solenoid valve 1/2" G24V  
ELVAL.2201/2 solenoid valve 1/2" G220V

RE 80640  
RE 80641  
RE 80642  
RE 80643  
RE 80644

# HORIZONTAL WIPERS

speich



## HORIZONTAL WIPER

Speich wipers with single blade mod. PG and double blades mod. PGD is designed for both marine use both in pleasure craft.

With this type of windscreen wiper, you can have high sanding areas.

It is a system designed to: have high resistance to tough external conditions;

have a compact engine; having a sliding speed of 1.2 m / s;

have auto parking on the side of the engine.

The PG wiper is also available in the double arms version (PGD type).

On request, these systems can be equipped with spray nozzles

fan (option PG.ZZ) and available in versions with heated chassis

(PG.HOT option).

This type of windscreen wiper is customizable in length.

Model	Stroke mm	Arm mm	Blade mm	Supply	Starting power W	Nominal power W	Speed m/sec	Motor shaft for wall thickness mm	Code
PG (single)	400 - 2250	300 - 800	until 1300	12 - 24 VDC	420	85	1,2	18-35-70-150-200-250	RE 80630
PG (single)	400 - 2250	300 - 800	until 1300	220 VAC	420	85	1,2	18-35-70-150-200-250	RE 80631
PGD (double)	900 - 4500	300 - 800	until 800	12 - 24 VDC	420	85	1,2	18-35-70-150-200-250	RE 80632
PGD (double)	900 - 4500	300 - 800	until 800	220 VAC	420	85	1,2	18-35-70-150-200-250	RE 80633



## PG EXT SERIES HORIZONTAL TERGICRIST OUTDOOR ENGINE

The PG-Ext horizontal windscreen wiper is an external engine system, housed in an IP67 enclosure, equipped with an electronic board capable of adjusting the speed and communicating with other devices via CAN bus. The PG-Ext wiper allows you to: two modes of operation: in perfect synchronization between several arms, both continuously and intermittently,

and maximum sliding speed for all windscreen wipers. The operating conditions are stabilized

by the speed controller to a wide range of voltages; a minimal need for maintenance and high

resistance to tough external conditions; a simple and clean wiring, thanks to the control unit that

It also acts as a branch box, with all the elements connected to the chain system.

The control unit also allows the power supply of one or more auxiliary utilities

(water solenoid valves/air, glass and box heating). The wiring is arranged so that it can be removed

the control electronics without interrupting the power line and the CAN bus line that goes to wiring

later. The PG-Ext wiper is also available in the double arm version (PGD-Ext).

On request, these systems may be equipped with fan spray nozzles (PG.ZZ option)

and available in versions with heated chassis (PG.HOT option).

This type of windscreen wiper is customizable in length.

Equipped with three intermittents: 3, 6 and 9 sec

Model	Stroke mm	Arm mm	Blade mm	Supply	Starting power W	Nominal power W	Max speed m/sec	Code
PG Ext (single)	400 - 2250	300 - 800	until 1300	220 VAC	420	100	1,5	RE 80634
PGD Ext (double)	900 - 4500	300 - 800	until 800	220 VAC	420	100	1,5	RE 80635



**FITTINGS FOR WASHER EQUIPMENTS**

Made in Nickel-plated brass

IAL	L shaped fitting for tube 6x4	RE 80650
IAL.8	L shaped for tube 8x6	RE 80651
IALF	L shaped for tube 6x4 - 1/8" G female	RE 80652
IALF.8	L shaped for tube 8x6 - 1/8" G female	RE 80653
IALM	L shaped for tube 6x4 - 1/8" G male	RE 80654
IALM.8	L shaped for tube 8x6 - 1/8" G male	RE 80655
IAD	Straight fitting for tube 6x4	RE 80656
IAD.8	Straight fitting for tube 8x6	RE 80657
IAF	Straight fitting for tube 6x4 - 1/8" G female	RE 80658
IAF.8	Straight fitting for tube 8x6 - 1/8" G female	RE 80659
IAM	Straight fitting for tube 6x4 - 1/8" G male	RE 80660
IAM.6 - 1/4	Straight fitting for tube 6x4 - 1/4" G male	RE 80661
IAM.8	Straight fitting for tube 8x6 - 1/8" G male	RE 80662
IAM.8 - 1/4	Straight fitting for tube 8x6 - 1/4" G male	RE 80663
IAT	T shaped fitting for tube 6x4	RE 80664
IAT.6 - 1/4 - 6	T shaped for tube 6x4 - 1/4" GM - tube 6x4	RE 80665
IAT.6 - 1/8 - 6	T shaped for tube 6x4 - 1/8" GM - tube 6x4	RE 80666
IAT.8	T shaped for tube 8x6	RE 80667
IAT.8 - 1/4 - 8	T shaped for tube 8x6 - 1/4" GM - tube 8x6	RE 80668
IAT.8 - 1/8 - 8	T shaped for tube 8x6 - 1/8" GM - tube 8x6	RE 80669

**HOSE**

Reference	Material	Temperature	Pression	Code
IATUB4x6.PON	Black polyurethane ether based extra flexible	from -40° C to +60° C	8 atm	RE 80670
IATUB4x6.PO	Blue polyurethane ether based	from -40° C to +60° C	11 atm	RE 80671
IATUB6x8.PO	Blue polyurethane ether based	from -40° C to +60° C	8 atm	RE 80672



RE 80673

**WATER FEEDING**

RE 80674

SERB7L  
Stainless steel 7 liters water tank  
available 12 V or 24 V

RE 80673

SERB8L.PE  
Polyetilene 8 liters water tank  
available 12 V or 24 V with 1 or 2 or 3 pumps

RE 80674

# WINDSCREEN WIPERS



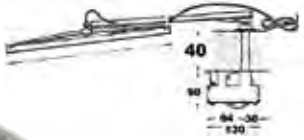
## WINDSCREEN WIPER MOTOR SK20

Right for screens less than 1000mm of height. Reduced body in aluminium lacquered in oven. Bronze aluminium wheel. Screws in steel ETG 100

Knurling:  $\varnothing$  9,5mm

Adjustable wiping angle: 80°, 90°, 100°, 120°

Supply V	Absorption A	Knurling	$\varnothing$ pivot mm	Length pivot	Dimensions mm	Weight Kg	Code
12 V	4 A	$\varnothing$ 9,5 mm	16	40 mm	115 x 190 x 65	1,8	RE 80525
24 V	2 A	$\varnothing$ 9,5 mm	16	40 mm	115 x 190 x 65	1,8	RE 80526



## WINDSCREEN WIPER MOTOR W600

Right for screens more than 1000mm of height. Reduced body in aluminium lacquered in oven. Bronze aluminium wheel. Screws in steel ETG 100

Knurling:  $\varnothing$  9,5mm

Adjustable wiping angle: 80°, 90°, 100°, 120°

Supply V	Absorption A	Knurling	$\varnothing$ pivot mm	Length pivot	Dimensions mm	Weight Kg	Code
12 V	10 A	$\varnothing$ 9,5 mm	16	45 mm	130 x 200 x 88	3,3	RE 80537
24 V	5 A	$\varnothing$ 9,5 mm	16	45 mm	130 x 200 x 88	3,3	RE 80538



## EXTENSIBLE ARMS AND BLADES SK20 AND W600

Model	Length arm	Material	Blades	Code
Single	300 - 400 mm	Stainless Steel	280 - 600 mm	RE 80560
Single	450 - 600 mm	Stainless Steel	280 - 600 mm	RE 80561
Pantograph	400 - 600 mm	Stainless Steel	400 - 600 mm	RE 80562
Pantograph	640 - 800 mm	Stainless Steel	400 - 600 mm	RE 80563
Pantograph	800 - 1000 mm	Stainless Steel	400 - 600 mm	RE 80564



## BLADES FOR ARMS

Length	Model	Material	Code
280 mm	Single	Stainless Steel + rubber	RE 80533
400 mm	Single	Stainless Steel + rubber	RE 80534
600 mm	Single	Stainless Steel + rubber	RE 80555
400 mm	Pantograph	Stainless Steel + rubber	RE 80543
500 mm	Pantograph	Stainless Steel + rubber	RE 80544
600 mm	Pantograph	Stainless Steel + rubber	RE 80545



## UNIVERSAL BLADES

Blades	Type	Colour	Code
Length : 500 mm	Pantograph	Black	RE 80511
Length : 550 mm	Pantograph	Black	RE 80553
Length : 600 mm	Pantograph	Black	RE 80551
Length : 700 mm	Pantograph	Black	RE 80552



- Helicoidal electric blowers
- Circular silencier
- No-vibration ring
- Centrifugal electric blowers
- In-line blowers
- Heavy duty blowers
- Continuous duty blowers
- RINA approval blowers
- Oscillating fans



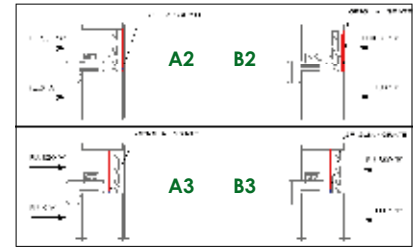
# HELICOIDAL ELECTRIC BLOWERS



## HELICOIDAL ELECTRIC BLOWERS

Applications: Air suction and ventilation in closed rooms  
And circulation of air in engine room etc.,  
They are built for obtaining a big volume of air and low pressure  
Can work at vertical axis (wall)  
or horizontal axis (ceiling)  
Drum: painted sheet steel  
Impeller: light no sparking alloy  
Supplied with the protection grate on the motor side  
Specify the execution on the order

POSSIBLE EXECUTIONS:



Model	Supply V	Power Kw	Absorp. A	RPM	Noise 1,5 m	Delivery m <sup>3</sup> /min	Pressure mm H <sub>2</sub> O	Weight Kg	Code
ELL 315 R	12	0,15	10	1500	60 dB/a	38	8	11	RE 80401
ELL 315 R	24	0,15	5	1500	60 dB/a	38	8	11	RE 80402
ELL 315/2 R	24	0,60	14	2100	68 dB/a	74	22	12	RE 80403
ELL 355 R	24	0,15	5,5	1500	62 dB/a	52	13	13	RE 80404
ELL 355/2 R	24	0,60	16	2100	72 dB/a	96	22	14	RE 80405
ELL 400 R	24	0,30	9	1500	65 dB/a	70	14	14	RE 80406
ELL 400/2 R	24	0,60	18	2100	72 dB/a	130	24	15	RE 80407
ELL 450 R	24	0,30	9	1500	70 dB/a	96	17	15	RE 80408
ELL 450/2 R	24	0,60	21	2100	78 dB/a	143	28	16	RE 80409



## CYLINDRICAL SILENCIERS

They are used to absorb the noise in air ventilation ducts.  
Galvanised steel casing, thickness 0,8 mm up to ø1250 and 1,0 mm over.

- Mounting flange with threaded insert;
- Acoustic material in mineral wool 70 kg /m<sup>3</sup> with protection against erosion by glass fibre fire

Model	Applications	Internal diameter	Length mm	External diameter	Fixing hole	Hole distance	Weight Kg	Code
Bb 315	ELL 315 R	315 mm	315	400 mm	8 x M8	355 mm	10	RE 80421
Bb 355	ELL 355 R	355 mm	355	455 mm	8 x M8	395 mm	12	RE 80422
Bb 400	ELL 400 R	400 mm	400	500 mm	8 x M10	450 mm	15	RE 80423
Bb 450	ELL 450 R	450 mm	450	600 mm	8 x M10	500 mm	20	RE 80424



## NO-VIBRATION RINGS

The ring is built in a special rubber to avoid all vibrations and noise.  
These parts are installed between the blower and the surface where the blower is mounted.

Model	Applications	Internal diameter	Thickness mm	External diameter	Prisoner section	Hole distance	Weight Kg	Code
20A 315	ELL 315 R	315 mm	30	385 mm	8 x M8	355 mm	1	RE 80431
20A 355	ELL 355 R	355 mm	30	425 mm	8 x M8	395 mm	1	RE 80432
20A 400	ELL 400 R	400 mm	30	470 mm	8 x M8	438 mm	1	RE 80433
20A 450	ELL 450 R	450 mm	30	520 mm	8 x M8	487 mm	1	RE 80434

# CENTRIFUGAL ELECTRIC BLOWERS



## CENTRIFUGAL ELECTRIC BLOWERS

Applications: Air suction and ventilation in closed area (toilet, kitchen, engine room).

Spiral casing: painting

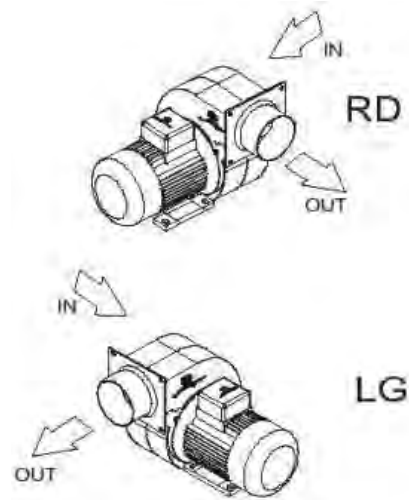
Impeller: steel forward blades

The blower C series are built to obtain low and medium pressure at low medium flow rates

The air passing through the fan even if it is slightly dusty can have a maximum temperature of +80°C

Model C202, C302, C402, C502 C503 AND C20 are supplied with flanged fitting and safety grid on the fan inlet

The C25, C30 models are supplied with a counter Flanges for fitting to the piping



Model	Supply V	Power Kw	Absorption A	RPM	Noise 1,5m	Delivery m <sup>3</sup> /min	Pressure mm H <sub>2</sub> O	Weight Kg	Code
C 202 RD	12	0,075	3,2	2800	47 dBA	4,5	22	2,5	RE 80440
C 202 RD	24	0,070	1,6	2800	47 dBA	4,5	22	2,5	RE 80441
C 202 LG	12	0,11	3,2	2800	47 dBA	4,5	22	2,5	RE 80442
C 202 LG	24	0,11	1,6	2800	47 dBA	4,5	22	2,5	RE 80443
C 302 RG	24	0,11	3,5	2500	56 dBA	10	30	6	RE 80444
C 302 LG	24	0,11	3,5	2500	56 dBA	10	30	6	RE 80445
C 402 RG	24	0,11	5	2000	56 dBA	15	30	6,5	RE 80446
C 402 LG	24	0,11	5	2000	56 dBA	15	30	6,5	RE 80447
C 502 U RD	24	0,15	7	2000	57 dBA	20	40	8	RE 80448
C 502 U LG	24	0,15	7	2000	57 dBA	20	40	8	RE 80449
C 503 U RD	24	0,30	16	2700	63 dBA	24	64	8,5	RE 80450
C 503 U LG	24	0,30	16	2700	63 dBA	24	64	8,5	RE 80451
C20 RD	24	0,26	13	1500	53 dBA	24	34	19	RE 80452
C20 LG	24	0,26	13	1500	53 dBA	24	34	19	RE 80453
C 20/3 RD	24	0,55	28	2000	58 dBA	37	63	20	RE 80454
C 20/3 LG	24	0,55	28	2000	58dBA	37	63	20	RE 80455
C 25 RD	24	0,97	45	1500	62dBA	55	49	37	RE 80456
C 25 RD	24	0,97	45	1500	62 dBA	55	49	37	RE 80457

## IN-LINE BLOWERS



Applications: ventilation for engine compartment, galley and toilet areas  
Slip on inlet and outlet ducting connections.  
In white ABS. Watertight .  
Continuous duty. ISO 8846 and 9097 marine.

Model	Supply V	Absorption A	Delivery Max m <sup>3</sup> /min	Diameter tube	Weight gr	Code
140	12	2,9	3,8	75 mm	500	RE 80036
140-24	24	1,7	3,8	75 mm	500	RE 80052
240	12	4,3	6,7	100 mm	600	RE 80037
240-24	24	2,4	6,7	100 mm	600	RE 80053

## HEAVY DUTY BLOWERS



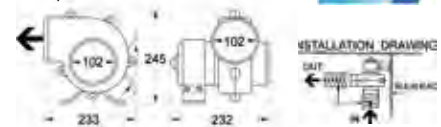
Applications: evacuating fuel vapour from bilge area (ISO 8846 marine)  
Flangemount. Tough reinforced plastic housing  
Rotor Delrin.  
35400 series

Supply V	Absorption A	Delivery Max m <sup>3</sup> /h	Ø Inlet Pipe mm	Ø Outlet Pipe mm	Dimension mm	Weight Kg	Codice
12	15	420	102	92	229 x 222 x 222	2,7	RE 80032
24	7,5	420	102	92	229 x 222 x 222	2,7	RE 80033

## HEAVY DUTY BLOWERS



Applications: evacuating fuel vapour from bilge area (ISO 8846 marine)  
Flexmount bracket  
Tough reinforced plastic housing  
Rotor Delrin  
35440 series



Supply V	Absorption A	Delivery Max m <sup>3</sup> /h	Ø Inlet Pipe mm	Ø Outlet Pipe mm	Dimensions mm	Weight Kg	Code
12	15	420	102	102	244 x 235 x 232	3,2	RE 80070
24	7,5	420	102	102	244 x 235 x 232	3,2	RE 80071

## CONTINUOUS DUTY BLOWERS



Flangemount  
Efficient high volume air flow  
Extended life 5.000 hour motor  
Corrosion-resistant materials throughout  
Conform with ISO 9097 marine. USCG 183/410

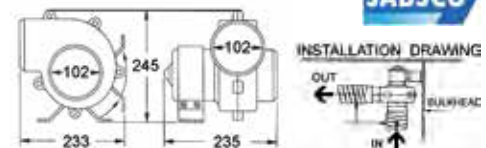


Supply V	Absorption A	Delivery Max m <sup>3</sup> /h	Ø Inlet Pipe mm	Ø Outlet Pipe mm	Dimensions mm	Weight Kg	Code
12	15	420	102	92	229 x 222 x 238	2,7	RE 80184
24	10	420	102	92	229 x 222 x 238	2,7	RE 80185

## CONTINUOUS DUTY BLOWERS



Flexmount bracket  
Efficient high volume air flow  
Extended life 5.000 hour motor  
Corrosion-resistant materials throughout  
Conform with ISO 9097 marine. USCG 183/410



Supply V	Absorption A	Delivery Max m <sup>3</sup> /h	Ø Inlet Pipe mm	Ø Outlet Pipe mm	Dimensions mm	Weight Kg	Code
12	15	420	102	102	236 x 245 x 235	3,2	RE 80186
24	10	420	102	102	236 x 245 x 235	3,2	RE 80187



## FLEX MOUNT BLOWERS - RINA CERTIFICATION

In anti-shock robust ABS, White coloured  
Installation with flexible with adjustable output at 360°  
ISO 8846, ISO 8849, EN 55014, ISO 10133



Supply V	Absorption A	Delivery m³/h	Aspiration Ø mm	Diameter Ø mm	Dimensions mm	Colour	Code
12	11,5	550	110	103	290 x 257 x 150	White	RE 80483
24	7	550	110	103	290 x 257 x 150	White	RE 80484
12	15	750	150	103	290 x 257 x 150	White	RE 80485
24	8	750	150	103	290 x 257 x 150	White	RE 80486
24	16	1000	150	103	290 x 257 x 180	White	RE 80487



## BLOWERS FLANGE MOUNT - RINA CERTIFICATION

In robust white ABS Anti-shock  
Screws and bends in stainless steel  
Flange mounting  
ISO 8846, ISO 8849, EN 55014, ISO 10133



Supply V	Absorption A	Delivery m³/h	Aspiration Ø mm	Diameter Ø mm	Dimensions mm	Colour	Code
12	3,9	280	75	72	200 x 165 x 195	White	RE 80460
24	2,5	280	75	72	200 x 165 x 195	White	RE 80461
12	11,5	550	110	103	290 x 257 x 150	White	RE 80462
24	7	550	110	103	290 x 257 x 150	White	RE 80463
12	19	750	150	103	290 x 257 x 150	White	RE 80464
24	11	750	150	103	290 x 257 x 150	White	RE 80465
24	16	1000	150	103	290 x 257 x 180	White	RE 80466



## IN LINE BLOWERS

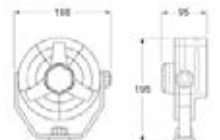
Compact and simple design. Flexible installation. Low power consumption. Quiet operation.  
Compliant with standards ISO 8846 EN55014

Supply V	Absorption A	Delivery m³/h	Aspiration Ø mm	Diameter Ø mm	Dimensions mm	Colour	Flanges	Code
12	7	1000	178	178	220 x 165	Black	no	RE 80495
24	3,5	1000	178	178	220 x 165	Black	no	RE 80496
12	7	1000	178	178	250 x 220	Black	yes	RE 80497
24	3,5	1000	178	178	250 x 220	Black	yes	RE 80498



## TURBO 2 SPEED FAN HELLA

Low consume  
Adjustable



Supply V	Absorption W	Colour ABS	Delivery Max l/s Speed I	Delivery Max l/s Speed II	Diameter mm	Thick. mm	Height mm	Weight gr	Code
12	6,5	Black	70	95	188	95	195	-	RE 80488
24	6,5	Black	70	95	188	95	195	-	RE 80489

# SMOKE AND FIRE DAMPERS



## SMOKE DAMPER

Available drives: manual, pneumatic and electric actuator  
Built in s/steel  
White painted (optional)  
Wide range with customized dimensions

Depth: 110mm  
Flange: 30mm  
Case Thickness: 1,2mm

Available on request.  
Specify features  
(dimensions, drive and alimentation) in case of order



## FIRE DAMPER

Available with electrical, pneumatic and explosion proof actuators  
Built in s/steel  
Homologation A0-A60 in accordance with IMO certification  
Integrated thermo-electric tripping device (temperature sensitive trigger)  
Special multi-wings design  
Variable pitch blade to maximize "flow through"  
Wide range with customized dimensions

Width: from 100 to 1130 mm  
Height: from 100 to 1130 mm  
Depth: 150 mm  
Weight: from 5 to 75 kg

Available on request.  
Specify features  
(dimensions, drive and alimentation) in case of order





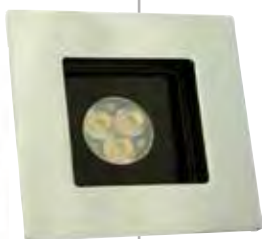
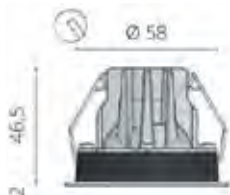
- Underwater lights LED
- Fixtures
- Adjustable spot
- Waterproof spot lights
- LED lights
- Courtesy lights
- Wall lights
- Chart lights
- Reading lights
- LED strip
- Waterproof Bulbs
- Bulbs
- LED bulbs
- Lampholders
- Dimmer 12-24 Vdc
- Dimmer 115/230 Vac

# HIGH PERFORMANCE SPOTS

 FORESTI & SUARDI

## PROMETEO SERIES

Recessed spot for indoor and outdoor with treated brass ring galvanically, tempered glass, anodized Aluminum heatsink and equipped with a parabola/directional lens.



### QM



Dimensions	Supply	Power	Recessed	Lens	Color temp.	Code
67x67 mm	10-30 VDC	6,5 W	Ø58 mm	Standard 39°	3200 °K	RE 20210



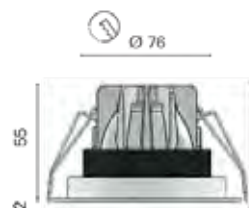
### QP



Dimensions	Supply	Power	Recessed	Lens	Color temp.	Code
55x55 mm	10-30 VDC	3W	Ø47 mm	Standard 31°	3200 °K	RE 20211

## PLUTONE SERIES

Recessed spot for indoor and outdoor with treated brass ring galvanically, tempered glass, anodized Aluminum heatsink and equipped with a parabola/directional lens.



### T 90



Dimensions	Supply	Power	Recessed	Lens	Color temp.	Code
Ø90 mm	10-30 VDC	5 W	Ø76 mm	Standard 44°	3200 °K	RE 20212



### TG



Dimensions	Supply	Power	Recessed	Parabola	Color temp.	Code
Ø74 mm	10-30 VDC	5 W	Ø62 mm	Standard 44°	3200 °K	RE 20213



### TM



Dimensions	Supply	Power	Recessed	Lens	Color temp.	Code
Ø58 mm	10-30 VDC	6,5 W	Ø44 mm	Standard 39°	3200 °K	RE 20214



### TP



Dimensions	Supply	Power	Recessed	Lens	Color temp.	Code
Ø48 mm	10-30 VDC	3W	Ø38 mm	Standard 31°	3200 °K	RE 20215

# ADJUSTABLE SPOTS

## PHOENIX SERIES

Outdoor spot with galvanic treated brass body, anodized Aluminum heatsink and round sandblasted glass diffuser.

 Dimensions: $\varnothing 70$ (diffuser), $\varnothing 89$ (body), 2 (height), 30 (depth)		<b>A</b>								 Dimensions: $\varnothing 89$ (body), $\varnothing 70$ (diffuser), 30 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td><math>\varnothing 89</math> mm</td> <td>10-30 VDC</td> <td>3,6 W</td> <td><math>\varnothing 70</math> mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20220</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	$\varnothing 89$ mm	10-30 VDC	3,6 W	$\varnothing 70$ mm	White	3200 °K	RE 20220
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
$\varnothing 89$ mm	10-30 VDC	3,6 W	$\varnothing 70$ mm	White	3200 °K	RE 20220																			
 Dimensions: $\varnothing 70$ (diffuser), $\varnothing 89$ (body), 2 (height), 30 (depth)		<b>AV</b>								 Dimensions: $\varnothing 89$ (body), $\varnothing 70$ (diffuser), 30 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td><math>\varnothing 89</math> mm</td> <td>10-30 VDC</td> <td>3,6 W</td> <td><math>\varnothing 70</math> mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20221</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	$\varnothing 89$ mm	10-30 VDC	3,6 W	$\varnothing 70$ mm	White	3200 °K	RE 20221
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
$\varnothing 89$ mm	10-30 VDC	3,6 W	$\varnothing 70$ mm	White	3200 °K	RE 20221																			
 Dimensions: $\varnothing 54$ (diffuser), $\varnothing 67$ (body), 2 (height), 35 (depth)		<b>B</b>								 Dimensions: $\varnothing 67$ (body), $\varnothing 54$ (diffuser), 35 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td><math>\varnothing 67</math> mm</td> <td>10-30 VDC</td> <td>3 W</td> <td><math>\varnothing 54</math> mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20222</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	$\varnothing 67$ mm	10-30 VDC	3 W	$\varnothing 54$ mm	White	3200 °K	RE 20222
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
$\varnothing 67$ mm	10-30 VDC	3 W	$\varnothing 54$ mm	White	3200 °K	RE 20222																			
 Dimensions: $\varnothing 54$ (diffuser), $\varnothing 67$ (body), 2 (height), 35 (depth)		<b>BV</b>								 Dimensions: $\varnothing 67$ (body), $\varnothing 54$ (diffuser), 35 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td><math>\varnothing 67</math> mm</td> <td>10-30 VDC</td> <td>3 W</td> <td><math>\varnothing 54</math> mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20223</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	$\varnothing 67$ mm	10-30 VDC	3 W	$\varnothing 54$ mm	White	3200 °K	RE 20223
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
$\varnothing 67$ mm	10-30 VDC	3 W	$\varnothing 54$ mm	White	3200 °K	RE 20223																			

## KEPLERO SERIES

Outdoor spot with galvanic treated brass body, anodized Aluminum heatsink and round sandblasted glass diffuser.

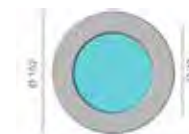
 Dimensions: 76 (width), 76 (depth), 2 (height), 28 (depth)		<b>I</b>								 Dimensions: 60 (width), 60 (depth), 28 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>76 x 76 mm</td> <td>10-30 VDC</td> <td>3,6 W</td> <td>60 x 60 mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20224</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	76 x 76 mm	10-30 VDC	3,6 W	60 x 60 mm	White	3200 °K	RE 20224
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
76 x 76 mm	10-30 VDC	3,6 W	60 x 60 mm	White	3200 °K	RE 20224																			
 Dimensions: 131 (width), 76 (depth), 2 (height), 28 (depth)		<b>II</b>								 Dimensions: 115 (width), 60 (depth), 28 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>131 x 76 mm</td> <td>10-30 VDC</td> <td>2 x 3,6 W</td> <td>115 x 60 mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20225</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	131 x 76 mm	10-30 VDC	2 x 3,6 W	115 x 60 mm	White	3200 °K	RE 20225
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
131 x 76 mm	10-30 VDC	2 x 3,6 W	115 x 60 mm	White	3200 °K	RE 20225																			
 Dimensions: 186 (width), 76 (depth), 2 (height), 28 (depth)		<b>III</b>								 Dimensions: 170 (width), 60 (depth), 28 (depth)	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>Supply</th> <th>Power</th> <th>Recesseded</th> <th>LED Color</th> <th>Color temp.</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>186 x 76 mm</td> <td>10-30 VDC</td> <td>3 x 3,6 W</td> <td>170 x 60 mm</td> <td>White</td> <td>3200 °K</td> <td>RE 20226</td> </tr> </tbody> </table>	Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code	186 x 76 mm	10-30 VDC	3 x 3,6 W	170 x 60 mm	White	3200 °K	RE 20226
Dimensions	Supply	Power	Recesseded	LED Color	Color temp.	Code																			
186 x 76 mm	10-30 VDC	3 x 3,6 W	170 x 60 mm	White	3200 °K	RE 20226																			

# RECESSEDED SPOTS

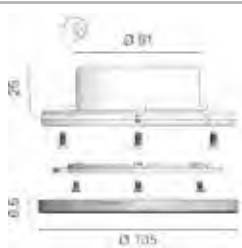
 FORESTI & SUARDI

## ASTEROPE SERIES

Indoor spot with technopolymer body, aesthetic ring in AISI 316 L stainless steel.


**G**


Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 152 mm	10-30 VDC	5 W	Ø 132 mm	White	3200 °K	RE 20230


**M**


Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 105 mm	10-30 VDC	2,5 W	Ø 81 mm	White	3200 °K	RE 20231

## SEXTANS SERIES

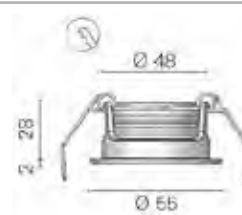
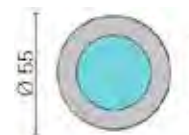
Spot for interiors complete with aesthetic ring in treated brass galvanically, diffuser in sandblasted glass and equipped with a parabola to create diffused lighting.


**BIG S**

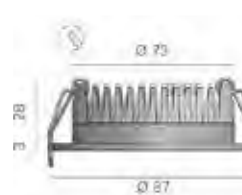

Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 90 mm	10-30 VDC	5,5 W	Ø 80 mm	White	3200 °K	RE 20232


**S**


Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 76 mm	10-30 VDC	3,6 W	Ø 61 mm	White	3200 °K	RE 20233


**SMALL TT**


Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 55 mm	10-30 VDC	3 W	Ø 48 mm	White	3200 °K	RE 20234


**BERENICES**


Dimensions	Supply	Power	Recesseded	LED color	Color temp.	Code
Ø 87 mm	10-30 VDC	3,6 W	Ø 73 mm	White	3200 °K	RE 20235

**VELA**

Outdoor ceiling light with base and ring in die-cast brass galvanically treated.



Dimensions	Height	Supply	Lamp	Power	Code
Ø 188 mm	52 mm	12/24 V	Halogen G 6.35	max 50 W	RE 20240

**ANTARES 110**

Indoor ceiling lamp with body in technopolymer, aesthetic ring in die-cast brass treated galvanically.



Dimensions	Height	Supply	Lamp	Power	LED Color	Color temp.	Code
Ø 110 mm	28 mm	10 - 30 Vdc	LED	4 W	White	6000 °K	RE 20241
Ø 110 mm	28 mm	12 - 24 V	Halogen G4	Max 10W	-	-	RE 20242

**ANTARES 150**

Indoor ceiling lamp with body in technopolymer, aesthetic ring in die-cast brass treated galvanically.



Dimensions	Height	Supply	Lamp	Power	LED Color	Color temp.	Code
Ø 150 mm	28 mm	10 - 30 Vdc	LED	4,5 W	White	6000 °K	RE 20243
Ø 150 mm	28 mm	12 - 24 V	Halogen G4	Max 20W	-	-	RE 20244

**ASTERION B**

Indoor ceiling lamp with body in technopolymer, aesthetic ring in die-cast brass treated galvanically.



Dimensions	Height	Supply	Lamp	Power	Switch	LED Color	Color temp.	Code
Ø 95 mm	28 mm	10 - 30 Vdc	LED	2,5 W	Yes	White	3200/4000 °K	RE 20245
Ø 95 mm	28 mm	12 - 24 V	Halogen G4	Max 10W	Yes	-	-	RE 20246

**ASTERION C**

Indoor ceiling lamp with body in technopolymer, aesthetic ring in die-cast brass treated galvanically.



Dimensions	Height	Supply	Lamp	Power	Switch	LED Color	Color temp.	Code
Ø 95 mm	28 mm	10 - 30 Vdc	LED	2,5 W	Yes	White	3200/4000 °K	RE 20247
Ø 95 mm	28 mm	12 - 24 V	Halogen G4	Max 10W	Yes	-	-	RE 20248

# SPOTS

## EUROLED

Hella marine 



### EUROLED 75

Elegant and low energy consumption LED down lights for indoors and outdoors.

Warm White Light 2700K (red light on request).

Diameter	Finishing	Lamp	Supply	Power	Protection	Recesseded	Code
Ø 72 mm	Polished Steel	LED	12-24 VDC	3 W	IP6K7 & IP6K9K	Ø 50 x 16 mm	RE 20250
Ø 72 mm	White	LED	12-24 VDC	3 W	IP6K7 & IP6K9K	Ø 50 x 16 mm	RE 20251



### EUROLED 95

Elegant and low energy consumption LED down lights for indoors and outdoors.

White light 5000K - Warm white light 3000K (red light on request).

#### ROUND TRIM

Diameter	Finishing	Lamp	Supply	Power	Protection	Recesseded	Code
Ø 95 mm	Polished Steel	LED	10-33 VDC	6 W	IP67	Ø 72 x 27,3 mm	RE 20252
Ø 95 mm	White	LED	10-33 VDC	6 W	IP67	Ø 72x 27,3 mm	RE 20253

#### SQUARE TRIM

Diameter	Finishing	Lamp	Supply	Power	Protection	Recesseded	Code
Ø 95 mm	Polished Steel	LED	10-33 VDC	6 W	IP67	Ø 72 x 27,3 mm	RE 20254
Ø 95 mm	White	LED	10-33 VDC	6 W	IP67	Ø 72x 27,3 mm	RE 20255



### EUROLED 150

Elegant and low energy consumption LED down lights for indoors and outdoors.

Warm white light 3000K.

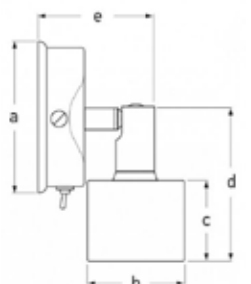
Diameter	Finishing	Lamp	Supply	Power	Protection	Recesseded	Code
Ø 150 mm	Polished Steel	LED	Multivolt 9-33 VDC	4 W	IP67	Ø 124 x 20 mm	RE 20256
Ø 150 mm	White	LED	Multivolt 9-33 VDC	4 W	IP67	Ø 124 x 20 mm	RE 20257



### LUCI DA LETTURA PONUI

High efficiency and energy saving brass reading lights, with LED technology.

White light 5000K.



Finishing	Lamp	Supply	Power	Protection	Code
Brass	LED	12V DC - 24V DC	3 W	IP67	RE 20258

Dimensions:

a = 70 mm c = 35 mm e = 65 mm  
b = 54 mm d = 71 mm



**DURALED 12**

DuraLed lights provide intense white illumination, guaranteeing energy efficiency and constitute a safe and reliable alternative to incandescent and fluorescent lamps. Equipped with switch.



Lens Color	LED Color	Voltage	Consume	Dimensions	Code
White	5000° K	12 - 24V	2,5 W	140 x 65 x 32	RE 20980

**DURALED 20**

Lens Color	LED Color	Voltage	Consume	Dimensions	Code
White	20 white LED	9 - 33 V	4 W	177 x 100 x 30	RE 20988

**DURALED 36**

Lens Color	LED Color	Voltage	Consume	Dimensions	Code
White	5000° K	9 - 33 V	7 W	177 x 100 x 30	RE 20989

**DURALED 50**

Available also bicolor.



Lens Color	LED Color	Voltage	Consume	Dimensions	Code
White	5000° K	9 - 33 V	10 W	177 x 100 x 30	RE 20990
White/Red	5000° K/Red	9 - 33 V	10 W	177 x 100 x 30	RE 20991

**KIRK**

Description	Finish	Bulb	Supply	Protection	Dimensions	Code
Storeroom light	Silver grey	48 LED	3 battery AA 1,5 V	IP 40	135 x 19,5	RE 20358

**ACTION 5W - 10 W**

Model	LED Color	Voltage	Consume	Dimensions	Code
5 W	Natural white	9 - 16 V	5 W	116 x 140 x 13	RE 20992
10 W	Natural white	9 - 16 V	10 W	116 x 140 x 13	RE 20993
10 W	Natural white	18 - 32 V	10 W	116 x 140 x 13	RE 20994



# SPOTS

## VIP SERIES



### TED V 95° STAINLESS STEEL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

Diameter	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 72 mm	Polished	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21046
Ø 72 mm	Frosted	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21047
Ø 72 mm	White	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21048



### EDWIN V 95° STAINLESS STEEL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	polished	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21049
72 x 72 mm	frosted	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21050
72 x 72 mm	white	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21051



### BRYAN V 95° STAINLESS STEEL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	Polished	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21052
72 x 72 mm	Frosted	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21053
72 x 72 mm	White	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21054



### TED VN COMPOSITE MATERIAL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

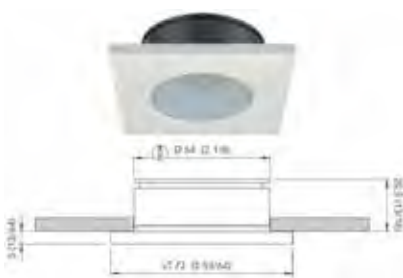
Diameter	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 72 mm	White	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21055
Ø 72 mm	Titanium met.	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21056



### EDWIN VN COMPOSITE MATERIAL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21057
72 x 72 mm	Titanium met.	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21058



### BRYAN VN COMPOSITE MATERIAL

Standard LED light natural white or hot + Colored courtesy light - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21060
72 x 72 mm	Titanium met.	10 - 30 Vdc	4 W	IP 66	20,5 mm	Ø 54 mm	RE 21061



# SPOTS NICE SERIES



### TED N

Standard light LED natural white or hot - Dimmable

Diameter	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 72 mm	White	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21030
Ø 72 mm	Titanium met.	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21031



### TED NT

Standard LED natural white light or hot - Touch button - Dimmable

Diameter	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 72 mm	Titanium met.	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21033



### TED N DUAL

Standard LED natural white light or hot - Double LED - Dimmable

Diameter	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 72 mm	White	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21034
Ø 72 mm	Titanium met.	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21035



### EDWIN N

Standard LED natural white light or hot - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21036
72 x 72 mm	Titanium met.	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21037



### EDWIN N DUAL

Standard LED natural white light or hot - Double LED - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21038
72 x 72 mm	Titanium met.	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21039



### BRYAN N

Standard LED natural white light or hot - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21040
72 x 72 mm	Titanium met.	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21041



### BRYAN NT

Standard LED natural white light or hot - Touch button - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	Titanium met.	10 - 30 Vdc	2W	IP 66	14 mm	Ø 54 mm	RE 21043



### BRYAN N DUAL

Standard LED natural white light or hot - Double LED - Dimmable

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
72 x 72 mm	White	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21044
72 x 72 mm	Titanium met.	10 - 30 Vdc	2W + 2W	IP 66	14 mm	Ø 54 mm	RE 21045

# RECESSEDED LED LIGHTS

## CLUB SERIES



They have a very low Recessed and are suitable for any type of application. Made of stainless steel.

### TED C

Standard LED daylight (warm light, cool white or red available on request).

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
Ø 72	Steel Polished	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20301/L
Ø 72	Steel Satin	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20302/L
Ø 72	White 9010	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20303/L

FINISHES:    On request:  

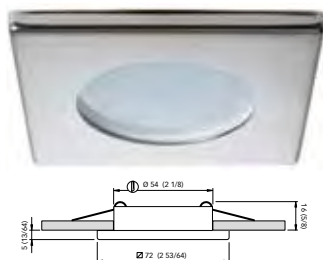


### TED CT

Standard LED daylight (warm light or red available on request) - Equipped with touch button.

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
Ø 72	Steel Polished	Power LED	10 - 30 Vdc	2W	IP 66	Ø 54 x 14 mm	RE 20619
Ø 72	Steel Satin	Power LED	10 - 30 Vdc	2W	IP 66	Ø 54 x 14 mm	RE 20620
Ø 72	White 9010	Power LED	10 - 30 Vdc	2W	IP 66	Ø 54 x 14 mm	RE 20621

FINISHES:   



### BRYAN C

Standard LED daylight (warm light, cool white or red available on request).

Dimensions	Finish	Bulbs	Voltage	Power	Protection	Recessed	Code
72 x 72	Mirror polished	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20313/L
72 x 72	Satined	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20314/L
72 x 72	White 9010	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20315/L

FINISHES:   



### BRYAN CT

Standard LED daylight (warm light, cool white or red available on request) - Touch button - Dimmable.

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
72 x 72	Mirror polished	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20936
72 x 72	Satined	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20937
72 x 72	White 9010	Power LED	10 - 30 V	2W	IP 66	Ø 54 x 14 mm	RE 20938

FINISHES:   



### MIRIAM C

Standard LED daylight (warm light, cool white or red available on request).

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 77	Mirror polished	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20361/L
Ø 77	Satined	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20362/L
Ø 77	White 9010	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20363/L
Ø 77	Black nickel PVD	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20364/L

FINISHES:     On request:  



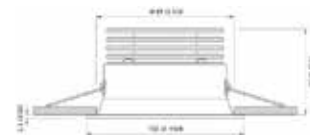
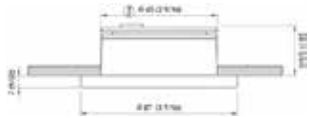
### SELENE CS

Standard LED daylight (warm light, cool white or red available on request).

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 77	Mirror polished	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20365/L
Ø 77	Satined	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20366/L
Ø 77	White 9010	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20367/L
Ø 77	Black nickel PVD	Power LED	10 - 30 V	2W	IP 40	Ø 54 x 16 mm	RE 20368/L

FINISHES:      

# RECESSEDED LED ROUND SERIES



## CHIARA

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 87	Mirror polished	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 28 mm	RE 20388
Ø 87	Satined	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 28 mm	RE 20389
Ø 87	White 9010	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 28 mm	RE 20383
Ø 87	Mirror polished	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 41 mm	RE 20346
Ø 87	Satined	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 41 mm	RE 20347
Ø 87	White 9010	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 41 mm	RE 20348

FINISHES:     On request:  

## CRISTIAN

Standard LED daylight (warm light available on request)



Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 102	Mirror polished	Power LED	10 - 30 V	7 W	IP 40	Ø 89 x 55	RE 20494
Ø 102	Mirror polished	Power LED	10 - 30 V	12 W	IP 40	Ø 89 x 70,5	RE 20477

FINISHES: 

## SONIA

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 105	Mirror polished	Power LED	10 - 30 V	4 W	IP 66	Ø 79 x 34 mm	RE 20392
Ø 105	White 9010	Power LED	10 - 30 V	4 W	IP 66	Ø 79 x 34 mm	RE 20393
Ø 105	Mirror polished	Power LED	10 - 30 V	9 W	IP 66	Ø 79 x 57,5 mm	RE 20390
Ø 105	White 9010	Power LED	10 - 30 V	9 W	IP 66	Ø 79 x 57,5 mm	RE 20391

FINISHES:  

## THEKLA LUX

Standard LED daylight (warm light available on request)


Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 155	Mirror polished	Power LED	10 - 30 V	9 W	IP 66	Ø 114 x 25 mm	RE 20616
Ø 155	Satined	Power LED	10 - 30 V	9 W	IP 66	Ø 114 x 25 mm	RE 20617
Ø 155	White 9010	Power LED	10 - 30 V	9 W	IP 66	Ø 114 x 25 mm	RE 20618

FINISHES:   

## KLEOS 180 12W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 180	Mirror polished	Power LED	20 - 30 V	12 W	IP 66	Ø 132 x 35 mm	RE 20438
Ø 180	Satined	Power LED	20 - 30 V	12 W	IP 66	Ø 132 x 35 mm	RE 20439
Ø 180	White 9010	Power LED	20 - 30 V	12 W	IP 66	Ø 132 x 35 mm	RE 20440

FINISHES:    On request:  

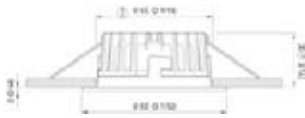
## KLEOS 235 15W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 235	Mirror polished	Power LED	20 - 30 V	15 W	IP 66	Ø 185 x 42 mm	RE 20441
Ø 235	Satined	Power LED	20 - 30 V	15 W	IP 66	Ø 185 x 42 mm	RE 20442
Ø 235	White 9010	Power LED	20 - 30 V	15 W	IP 66	Ø 185 x 42 mm	RE 20443

FINISHES:    On request:  

# RECESSEDED LED XP SERIES



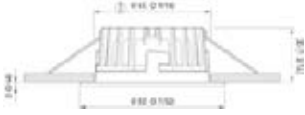
AISI 316 stainless steel frames. Aluminum heatsinks.

### KAI XP LP 6W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 82	Mirror polished	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20410
Ø 82	Satined	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20411
Ø 82	White 9010	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20412

FINISHES:



### KAI XP LP 4W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 82	Mirror polished	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20447
Ø 82	Satined	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20448
Ø 82	White 9010	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20449

FINISHES:



### KOR XP LP 6W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 82	Mirror polished	LED 2,1- 4W	10-30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20384
Ø 82	Satined	LED 2,1- 4W	10-30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20385
Ø 82	White 9010	LED 2,1- 4W	10-30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20386

FINISHES: On request:



### KOR XP LP 4W

Standard LED daylight (warm light available on request)

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 82	Mirror polished	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20491
Ø 82	Satined	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20492
Ø 82	White 9010	Power LED	10 - 30 V	4 W	IP 66	Ø 65 x 30 mm	RE 20493

FINISHES:



### MARINA XP 6W

Standard LED daylight (warm light, cool white or red available on request)

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
79x79 mm	Mirror polished	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20942
79x79 mm	Satined	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20943
79x79 mm	White 9010	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20944

FINISHES:



### BLAKE XP 6W

Standard LED daylight (warm light available on request)

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
79x79 mm	Mirror polished	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20890
79x79 mm	Satined	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20891
79x79 mm	White 9010	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20892

FINISHES:

# RECESSEDED LED DOWNLIGHTS ADJUSTABLE



## YOKO

Standard natural white light (warm light on request)

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Dimensions	Code
Ø 65	Steel Polished	Power led	10 - 30 V	1,5 W	IP 40	Ø 52 x 35 mm	RE 20497
Ø 65	Steel Satin	Power led	10 - 30 V	1,5 W	IP 40	Ø 52 x 35 mm	RE 20498

FINISHES:

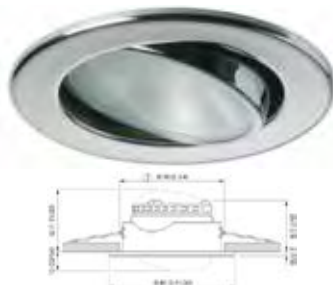


## LUCILLE

Standard natural white light (warm light on request)

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Dimensions	Code
Ø 65	Steel Polished	Power LED	10 - 30 V	1,5 W	IP 40	Ø 52 x 33 mm	RE 20466
Ø 65	Steel Satin	Power LED	10 - 30 V	1,5 W	IP 40	Ø 52 x 33 mm	RE 20467

FINISHES:



## NIKITA

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 85	Mirror polished	Power LED	10 - 30 V	4 W	IP 40	Ø 70 x 42 mm	RE 20349
Ø 85	Satined	Power LED	10 - 30 V	4 W	IP 40	Ø 70 x 42 mm	RE 20350
Ø 85	Mirror polished	Power LED	10 - 30 V	9 W	IP 40	Ø 70 x 74,5 mm	RE 20354
Ø 85	Satined	Power LED	10 - 30 V	9 W	IP 40	Ø 70 x 74,5 mm	RE 20355

FINISHES: On request:

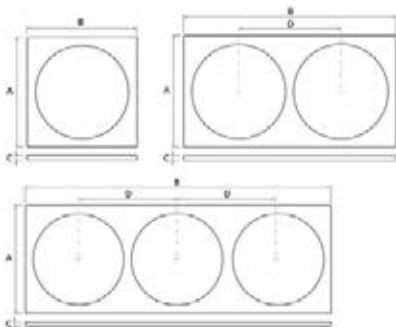


## REGINA

Adjustable. Standard LED daylight (warm light available on request)

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
85x85 mm	Mirror polished	Power LED	10 - 30 V	4 W	IP 40	Ø 70 x 42 mm	RE 20893
85x85 mm	Satined	Power LED	10 - 30 V	4 W	IP 40	Ø 70 x 42 mm	RE 20864
85x85 mm	Mirror polished	Power LED	10 - 30 V	9 W	IP 40	Ø 70 x 71 mm	RE 20933
85x85 mm	Satined	Power LED	10 - 30 V	9 W	IP 40	Ø 70 x 71 mm	RE 20934

FINISHES: On request:



## NK FRAME

The spotlights Nikita are not included in the package.

Lights N°	Finish	Dimensions	Code
1	Steel Polished	100 (a) x 100 (b) x 4 (c) mm	RE 20870
1	Steel Satin	100 (a) x 100 (a) x 4 (c) mm	RE 20871
2	Steel Polished	100 (a) x 192 (b) x 4 (c) mm	RE 20873
2	Steel Satin	100 (a) x 192 (b) x 4 (c) mm	RE 20874
3	Steel Polished	100 (a) x 284 (b) x 4 (c) mm	RE 20876
3	Steel Satin	100 (a) x 284 (b) x 4 (c) mm	RE 20877



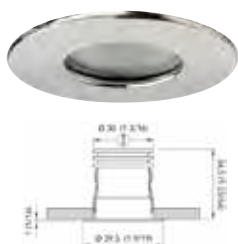
## VANESSA

Daylight or warm light, if requested.

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
112 x 112	Mirror polished	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 64,5 mm	RE 20609
112 x 112	White 9010	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 64,5 mm	RE 20611
112 x 112	Polished stainless	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 92 mm	RE 20404
112 x 112	White 9010	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 92 mm	RE 20405

FINISHES: On request:



# RECESSEDED MINI SPOT SERIES



### ELY

Standard LED daylight (warm light available on request).

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 39,5	Steel Polished	Power LED	10 - 30 V	3 W	IP 65	Ø 30 x 35,7 mm	RE 20495
Ø 39,5	Steel Satin	Power LED	10 - 30 V	3 W	IP 65	Ø 30 x 35,7 mm	RE 20496



FINISHES:  



### JO

Daylight or warm light, if requested.

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
Ø 42	Steel Polished	Power LED	10 - 30 V	1,5 W	IP 65	25 x 19	RE 20606
Ø 42	Steel Satin	Power LED	10 - 30 V	1,5 W	IP 65	25 x 19	RE 20607

FINISHES:  



### JD

Daylight or warm light, if requested.

Dimens.	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
36 x 36	Mirror Polished	Power LED	10 - 30 V	1,5 W	IP 65	25 x 19	RE 20603
36 x 36	Satin	Power LED	10 - 30 V	1,5 W	IP 65	25 x 19	RE 20604
36 x 36	White 9010	Power LED	10 - 30 V	1,5 W	IP 65	25 x 19	RE 20605



FINISHES:   



### ERICA 1

Standard LED daylight (warm light available on request).

Dimens.	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
50 x 50	Mirror polished	Power LED	10 - 30 V	2 W	IP 65	Ø 40 x 35mm	RE 20879
50 x 50	Satined	Power LED	10 - 30 V	2 W	IP 65	Ø 40 x 35mm	RE 20880



FINISHES:  



### ERICA 2

Standard LED daylight (warm light available on request).

Dimens.	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
50 x 100	Mirror polished	Power LED	10 - 30 V	4 W	IP 65	Ø 40 x 35mm	RE 20881
50 x 100	Satined	Power LED	10 - 30 V	4 W	IP 65	Ø 40 x 35mm	RE 20882



FINISHES:  



### ERICA 3

Standard LED daylight (warm light available on request).

Dimens.	Finishing	Bulbs	Voltage	Power	Protection	Recessed	Code
50 x 150	Mirror polished	Power LED	10 - 30 V	6 W	IP 65	Ø 40 x 35mm	RE 20883
50 x 150	Satined	Power LED	10 - 30 V	6 W	IP 65	Ø 40 x 35mm	RE 20884

FINISHES:  

# RECESSEDED GLASS SERIES



### HONEY LP

LED light made in Aluminum, available in 2 light colors, suitable for ceiling and wall installation. The diffuser, made with tempered glass, gives the product a particularly refined look.

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 42 mm	Tempered glass	Power LED	10 - 30 V	3 W	IP 65	Ø 30 x 34,5 mm	RE 20469



### SUGAR LP

Square built-in courtesy light made with 316 AISI stainless steel and temperate glass. The exclusive design, effective illumination and optimal chromatic yield made the product particularly elegant and refined.

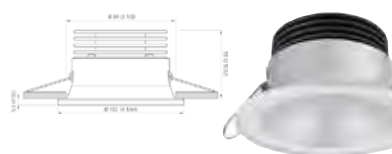
Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
40x40mm	Tempered glass	Power LED	10 - 30 V	3 W	IP 65	Ø 30 x 34,5 mm	RE 20470



### APOLLO XP LP

Modern series of Power LED downlights. The diffuser, made with tempered glass, gives the product a particularly refined look. With IP 66 rating, it is protected against humidity and water splashes, if installed properly.

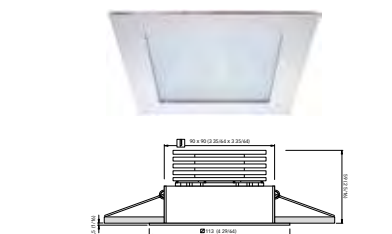
Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 90 mm	Tempered glass	Power LED	10 - 30 V	6 W	IP 66	Ø 65 x 30 mm	RE 20471



### ZEUS LP

Modern series of Power LED downlights (warm light available on request).

Diameter	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
Ø 102 mm	Tempered glass	Power LED	10 - 30 V	7 W	IP 40	Ø 89 x 55 mm	RE 20472
Ø 102 mm	Tempered glass	Power LED	10 - 30 V	12 W	IP 40	Ø 89 x 70,5 mm	RE 20473



### SQUARE SERIES - KRISTINE

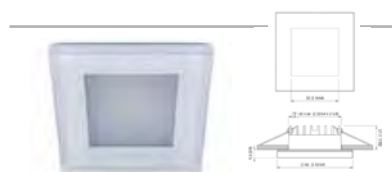
Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
112 x 112	Mirror polished	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 57 mm	RE 20474
112 x 112	Satined	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 57 mm	RE 20475
112 x 112	White 9010	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 57 mm	RE 20476
112 x 112	Polished stainless	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 70,1 mm	RE 20401
112 x 112	Satined	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 70,1 mm	RE 20402
112 x 112	White 9010	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 70,1 mm	RE 20403



### SQUARE SERIES - DEMETRA

Daylight or warm light, if requested.

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
112 x 112	Mirror polished	Power LED	10 - 30 V	7 W	IP 65	85 x 85 x 54 mm	RE 20600
112 x 112	Satined	Power LED	10 - 30 V	7 W	IP 65	85 x 85 x 54 mm	RE 20601
112 x 112	White 9010	Power LED	10 - 30 V	7 W	IP 65	85 x 85 x 54 mm	RE 20602
112 x 112	Polished stainless	Power LED	10 - 30 V	12 W	IP 65	85 x 85 x 70,1 mm	RE 20406
112 x 112	Satined	Power LED	10 - 30 V	12 W	IP 65	85 x 85 x 70,1 mm	RE 20407
112 x 112	White 9010	Power LED	10 - 30 V	12 W	IP 65	85 x 85 x 70,1 mm	RE 20408



### DAPHNE LP

Standard LED daylight (warm light available on request).

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
86 x 86	Glass	Power LED	10 - 30 V	4 W	IP 65	60 x 66 x 27 mm	RE 20894



### DANAE LP

Standard LED daylight (warm light available on request).

Dimensions	Finish	Bulb	Voltage	Power	Protection	Recessed	Code
112 x 112	Glass	Power LED	10 - 30 V	7 W	IP 40	90 x 90 x 57,5 mm	RE 20895
112 x 112	Glass	Power LED	10 - 30 V	12 W	IP 40	90 x 90 x 72,9 mm	RE 20409



### UTILITY LIGHT SERIES - TATI

Standard natural white light.

Dimensions	Finishing	Bulbs	Voltage	Power	Protection	Thickness	Code
61 x 61 mm	Chromed plastic	Power LED	10 - 15 V	2 W	IP 40	14,5 mm	RE 20896
61 x 61 mm	White 9010 plastic	Power LED	10 - 15 V	2 W	IP 40	14,5 mm	RE 20897



### UTILITY LIGHT SERIES - MIRÒ

Standard natural white light.

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 64	Chromed plastic	Power LED	10 - 15 V	2 W	IP 40	14,5 mm	RE 20898
Ø 64	White 9010 plastic	Power LED	10 - 15 V	2 W	IP 40	14,5 mm	RE 20899



### CLUB SERIES - BARBIE C

Standard natural white light (warm light on request).

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 72,5	Steel Polished	Power LED	10 - 30 V	2 W	IP 66	20,5 mm	RE 20925

### CLUB SERIES - BARBIE C DUAL

Standard natural white light (warm light on request). Equipped with two LED lights.

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 72,5	Steel Satin	Power LED	10 - 30 V	2 W + 2 W	IP 66	20,5 mm	RE 20926



### CLUB SERIES - TIM CS

Standard natural white light (warm light and red light on request). Supply 24V on request. With switch.

Diameter	Finish	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 90	Mirror polished	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20450
Ø 90	Satined	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20451
Ø 90	White 9010	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20452

### CLUB SERIES - TIM C

Standard natural white light (warm light and red light on request). Supply 24V on request. Without switch.

Diameter	Finishing	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 90	Polished steel	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20927
Ø 90	Satined steel	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20928
Ø 90	White 9010	Power LED	10 - 30 V	2 W	IP 40	22 mm	RE 20929



### CLUB SERIES - MINDY CS

Daylight or warm light or red light, if requested. With switch.

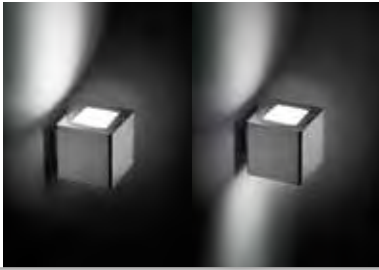
Diameter	Finish	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 90	Mirror polished	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20622
Ø 90	Satined	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20623
Ø 90	White 9010	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20624

### CLUB SERIES - MINDY C

Daylight or warm light or red light, if requested. Without switch.

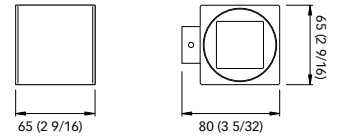
Diameter	Finish	Bulbs	Voltage	Power	Protection	Thickness	Code
Ø 90	Mirror polished	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20930
Ø 90	Satined	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20931
Ø 90	White 9010	Power LED	10 - 30 V	2 W	IP 40	25 mm	RE 20932



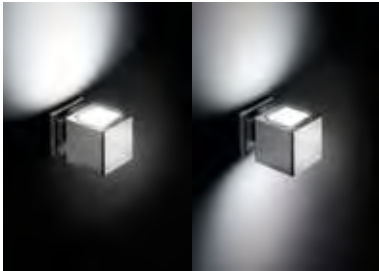


### QB SERIES - FIXED

Natural white light (warm white on request)

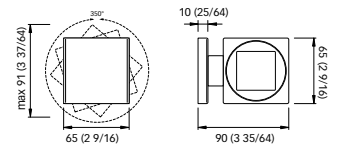


Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 LED	4 W	IP 40	65 x 65 x 80	RE 20823
Chromed Aluminum	10-30 V	1 Power LED	4 W	IP 40	65 x 65 x 80	RE 20824

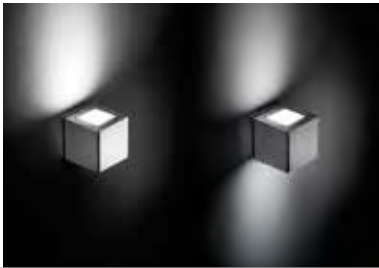


### QB SERIES - SPIN

Natural white light (warm white on request)

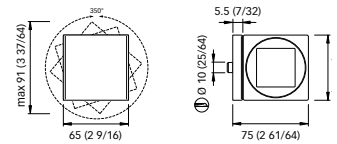


Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 LED	4 W	IP 40	65 x 65 x 90	RE 20825
Chromed Aluminum	10-30 V	1 Power LED	4 W	IP 40	65 x 65 x 90	RE 20826

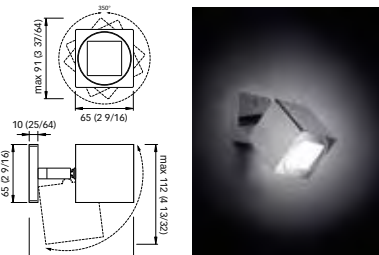


### QB SERIES - COMPASS

Natural white light (warm white on request)

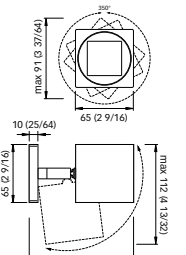


Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 LED	4 W	IP 40	65 x 65 x 75	RE 20827
Chromed Aluminum	10-30 V	1 Power LED	4 W	IP 40	65 x 65 x 75	RE 20828



### QB SERIES - SWIVEL

Natural white light (warm white on request)



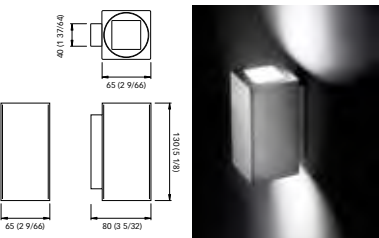
Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	1 LED	2W	IP 40	65 x 65 x 117	RE 20829
Chromed Aluminum	10-30 V	1 Power LED	4W	IP 40	65 x 65 x 117	RE 20830



### QB SERIES - TWINS

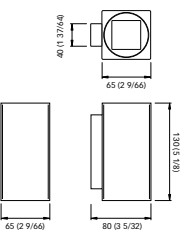
Natural white light (warm white on request)

Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 LED	4 W	IP 40	65 x 145 x 80	RE 20831
Chromed Aluminum	10-30 V	2 Power LED	8 W	IP 40	65 x 145 x 80	RE 20832

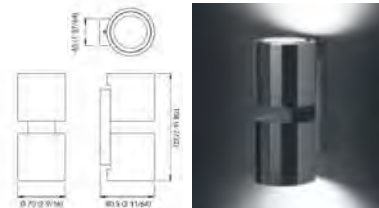


### QB SERIES - TOWER

Natural white light (warm white on request)

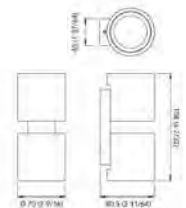


Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 LED	4 W	IP 40	65 x 130 x 80	RE 20833
Chromed Aluminum	10-30 V	2 Power LED	8 W	IP 40	65 x 130 x 80	RE 20834



### TB SERIES - TWINS

Natural white light



Finish	Supply	Light Num.	Consume	Protection	Dimensions	Code
Chromed Aluminum	10-30 V	2 Power LED	8 W	IP 40	65 x 145 x 80	RE 20841

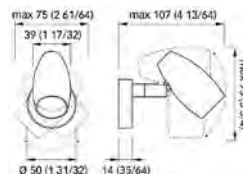
# LED READING LIGHTS WITH SWITCH

**Quick**<sup>®</sup>  
MARINE LIGHTING



## ADJUSTABLE SERIES - OLIVIA

White natural Color or warm light, if requested.

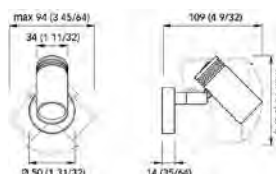


Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 50	Polished steel	Power LED	10 - 30 V	2,5 W	IP 40	Aluminum	RE 20478



## ADJUSTABLE SERIES - JACOB

White natural Color or warm light, if requested.



Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 50	Polished steel	Power LED	10 - 30 V	2,5 W	IP 40	Aluminum	RE 20903



## ADJUSTABLE SERIES - ROBIN

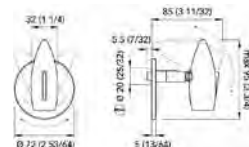
Natural white light standard (warm light on request).

Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 60	Chromed	Power LED	10 - 30 V	2,5 W	IP 40	Comp. material	RE 20904
Ø 60	Metallic dark gray	Power LED	10 - 30 V	2,5 W	IP 40	Comp. material	RE 20905



## ADJUSTABLE SERIES - NICOLE

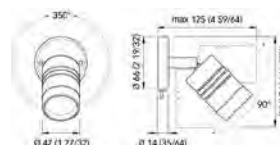
Daylight or warm light, if requested.



Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 72	Chromed	Power LED	10 - 30 V	1,2 W	IP 40	Aluminum	RE 20398
Ø 72	Satined	Power LED	10 - 30 V	1,2 W	IP 40	Aluminum	RE 20399



## ADJUSTABLE SERIES - JOYCE



Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 47	Chromed	Power LED	10 - 30 V	10 W	IP 40	Aluminum	RE 20664

# LED READING LIGHTS



## MAYA 30/60

Daylight or warm light, if requested.

Base Dimensions	Model	Bulb	Supply	Power	Protection	Material	Code
Ø 50	MAYA 30	6 LED	10 - 30 V	1,2 W	IP 40	Aluminum	RE 20397
Ø 50	MAYA 60	6 LED	10 - 30 V	1,2 W	IP 40	Aluminum	RE 20353



## REBECCA

Reading light with wall mounted, adjustable, head and base in white composite material, arm in silicone available in various colors.



Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
485 x 30 mm	Silicone	LED	10 - 30 V	1,5 W	IP 40	Comp. bianco	RE 20665



## AUDREY

White natural Color

Finishes: Black or brown leather or black neoprene.

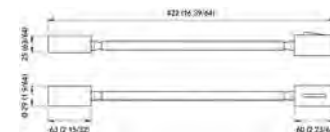
Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 55	Chromed	Power LED	10 - 30 V	1,5 W	IP 40	Brass	RE 20484
Ø 55	Silver	Power LED	10 - 30 V	1,5 W	IP 40	Aluminum	RE 20661



## AUDREY WALL WHITE USB

White natural Color

Finishes: Black or brown leather or black neoprene.



Base Dimensions	Finish	Bulb	Supply	Power	Protection	Material	Code
Ø 29 x 63	Chromed	Power LED	10 - 30 V	1,5 W	IP 40	Aluminum	RE 20479



## SHARK 30/50 POWER

Bi-color: Coolwhite/Red.

Dimensions	Color	Bulb	Supply	Power	Protection	Material	Code
380	Black	Power LED	10 - 30 V	1,5 W	IP 40	Composite	RE 20662
580	Black	Power LED	10 - 30 V	1,5 W	IP 40	Composite	RE 20663



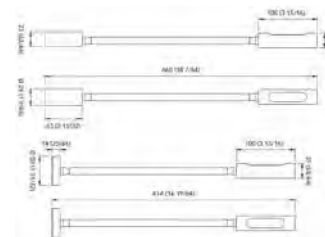
## CALIFFA - CALIFFA WALL

White natural Color.

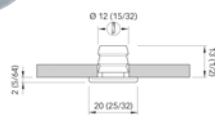
Coating on request: black leather, brown skin and white skin.

Touch switch to operate two different colors of light.

The Califfa model can be installed on floor, the model Califfa Wall is designed for wall mounting.



Model	Finish	Bulb	Supply	Power	Protection	Material	Code
Califfa	Chromed	Power LED	10 - 30 V	1,5 W	IP 40	Stainless steel	RE 20639
Califfa wall	Chromed	Power LED	10 - 30 V	1,5 W	IP 40	Stainless steel	RE 20645



### TINA

Daylight (warm white, red or blue if requested)

Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
Ø 20	Mirror polished	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20679
Ø 20	Satined	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20680
Ø 20	White 9010	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20681



### GAIA

Daylight (warm white if requested)

Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
Ø 36	Polished steel	10 - 30 V	3,5 W	0,125 A	IP 65	Ø 32 x 40	RE 20647



### MARGOT 1L/2L

Daylight (warm white if requested)

Model	Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
1 LED	Ø 38	Polished steel	10 - 30 V	0,5 W	0,02 A	IP 65	Ø 22 x 24	RE 20906
1 LED	Ø 38	Satined steel	10 - 30 V	0,5 W	0,02 A	IP 65	Ø 22 x 24	RE 20907
2 LED	Ø 38	Polished steel	10 - 30 V	1 W	0,04 A	IP 65	Ø 22 x 24	RE 20908
2 LED	Ø 38	Satined steel	10 - 30 V	1 W	0,04 A	IP 65	Ø 22 x 24	RE 20909



### PATRICIA

Daylight (warm white, red or blue if requested)

Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
Ø 40	Plastic	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20444



### HARRIET POWER LED

Daylight (warm white or blue if requested)

Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
Ø 44	Polished steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20669
Ø 44	Satined steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20670
Ø 44	White 9010	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20671



### GRACE 1L/2L POWER LED

Daylight (warm white or blue if requested)

Model	Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
1 LED	Ø 44	Polished steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20666
1 LED	Ø 44	Satined steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20667
1 LED	Ø 44	White 9010	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20668
2 LED	Ø 44	Polished steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20910
2 LED	Ø 44	Satined steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20911
2 LED	Ø 44	White 9010	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20912



### IRENE

Daylight (warm white, red or blue if requested)

Diameter	Finish	Voltage	Power	Absorption	Protection	Recessed	Code
Ø 45	Mirror polished	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20445
Ø 45	Satined	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20672
Ø 45	White 9010	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20673



### TESS

Daylight (warm white, red or blue if requested)

Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
15,5 x 15,5	Mirror polished	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20676
15,5 x 15,5	Satined	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20677
15,5 x 15,5	White 9010	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 12 x 13	RE 20678



### LIDA

Daylight (warm white if requested)

Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
36 x 36	Polished Steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 19	RE 20913
36 x 36	Satined Steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 19	RE 20914



### GWENDA 1L/2L

Daylight (warm white if requested)

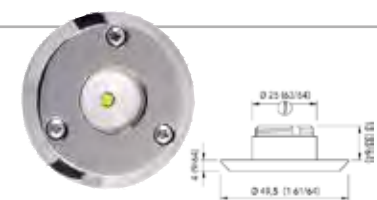
Model	Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
1 LED	37,5 x 37,5	Chromed steel	10 - 30 V	0,50 W	0,02 A	IP 65	Ø 22x23,5	RE 20915
1 LED	37,5 x 37,5	Satined Steel	10 - 30 V	0,50 W	0,02 A	IP 65	Ø 22x23,5	RE 20916
2 LED	37,5 x 37,5	Chromed steel	10 - 30 V	1 W	0,04 A	IP 65	Ø 22x23,5	RE 20917
2 LED	37,5 x 37,5	Satined Steel	10 - 30 V	1 W	0,04 A	IP 65	Ø 22x23,5	RE 20918



### ILENIA

Daylight (warm white, red or blue if requested)

Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
37,5 x 37,5	Polished Steel	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20446
37,5 x 37,5	Satined Steel	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20674
37,5 x 37,5	White 9010	10 - 30 V	0,48 W	0,02 A	IP 65	Ø 19 x 21	RE 20675



### VITO

Luce standard bianco naturale (a richiesta luce calda, luce fredda).

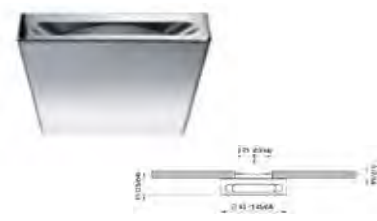
Diameter	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
Ø 49,5	Polished Steel	10 - 30 VDC	1,5 W	350 mA	IP 67	Ø 25 x 14	RE 20923



### HALLIE POWER LED

Daylight (warm white or blue if requested)

Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
43 x 43	Polished Steel	8 - 30 V	1,5 W	0,12 A	IP 65	Ø 25 x 3	RE 20685
43 x 43	Satined Steel	8 - 30 V	1,5 W	0,12 A	IP 65	Ø 25 x 3	RE 20686
43 x 43	White 9010	8 - 30 V	1,5 W	0,12 A	IP 65	Ø 25 x 3	RE 20687



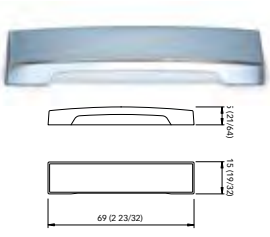
### GLADIS 1L/2L POWER LED

Daylight (warm white or blue if requested)

Dimensions	Finish	Voltage	Consume	Absorption	Protection	Recessed	Code
43 x 43	Polished Steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20682
43 x 43	Satined Steel	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20683
43 x 43	White 9010	10 - 30 V	1,5 W	0,06 A	IP 65	Ø 25 x 3	RE 20684

### TAB

#### SERIES CPA 1



Finish	LED Color	Voltage	Power	Dimensions	Code
Chromed Plastic	Natural White	10 - 30 V	1 W	69x15x8,5 mm	RE 20801
Chromed Plastic	Red	10 - 30 V	1 W	69x15x8,5 mm	RE 20802
Chromed Plastic	Blue	10 - 30 V	1 W	69x15x8,5 mm	RE 20803

#### SERIES CPA 3



Finish	LED Color	Voltage	Power	Dimensions	Code
Chromed Plastic	Natural White	10 - 30 V	1 W	69x15x8,5 mm	RE 20804
Chromed Plastic	Red	10 - 30 V	1 W	69x15x8,5 mm	RE 20805
Chromed Plastic	Blue	10 - 30 V	1 W	69x15x8,5 mm	RE 20806

#### SERIES CPR 1



Finish	LED Color	Voltage	Power	Dimensions	Code
Chromed Plastic	Natural White	10 - 30 V	1 W	69x15x8,5 mm	RE 20807
Chromed Plastic	Red	10 - 30 V	1 W	69x15x8,5 mm	RE 20808
Chromed Plastic	Blue	10 - 30 V	1 W	69x15x8,5 mm	RE 20809

#### SERIES CPR 2



Finish	LED Color	Voltage	Power	Dimensions	Code
Chromed Plastic	Natural White	10 - 30 V	1 W	69x15x8,5 mm	RE 20810
Chromed Plastic	Red	10 - 30 V	1 W	69x15x8,5 mm	RE 20811
Chromed Plastic	Blue	10 - 30 V	1 W	69x15x8,5 mm	RE 20812

#### SERIES SSR 1



Finish	LED Color	Voltage	Power	Dimensions	Code
Polished Steel	Natural White	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20813
Polished Steel	Red	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20814
Polished Steel	Blue	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20815

#### SERIES SSR 2



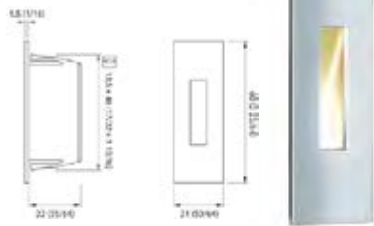
Finish	LED Color	Voltage	Power	Dimensions	Code
Polished Steel	Natural White	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20816
Polished Steel	Red	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20817
Polished Steel	Blue	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20818

#### SERIES SSR 4



Finish	LED Color	Voltage	Power	Dimensions	Code
Polished Steel	Natural White	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20920
Polished Steel	Red	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20921
Polished Steel	Blue	10 - 30 V	1 W	68 x 14 x 8 mm	RE 20922

# LED LIGHTS



### TILL

Daylight standard (red or blue if requested)

Dimensions mm	Finish	Supply	Power	Absorption	Protection	Recessed	Code
60 x 21	Polished Steel	10-30 V	0,5 W	0,02A	IP 40	46 x 14 mm	RE 20822



### EYELID

Daylight standard (red or blue if requested)

Finish	Supply	Power	Absorption	Protection	Dimensions	Code
Polished Steel	10-30 V	0,5 W	0,02A	IP 65	46 x 33 x 8,5	RE 20820
White 9010	10-30 V	0,5 W	0,02A	IP 65	46 x 33 x 8,5	RE 20821



### EDEL

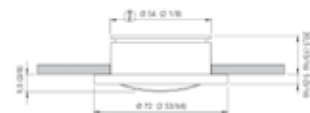
Light Color: natural white or warm white

Finish	Supply	Power	Protection	Dimensions	Code
Polished Steel	12 V	1 W	IP 65	77,5 x 38 x 6 mm	RE 20835
White 9010	12 V	1 W	IP 65	77,5 x 38 x 6 mm	RE 20836



### VENUS 72

Light Color: natural white or warm white

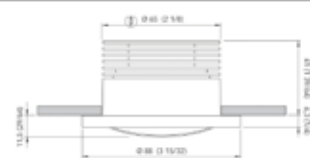


Diameter	Finish	Supply	Power	Protection	Recessed	Code
Ø 72 mm	Satined Steel	10 - 30 V	4 W	IP 66	Ø 54 x 20,5 mm	RE 20837



### VENUS 88

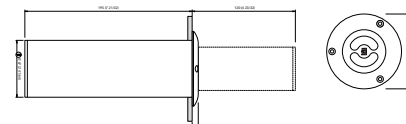
Light Color: natural white or warm white



Diameter	Finish	Supply	Power	Protection	Recessed	Code
Ø 88 mm	Satined Steel	10 - 30 V	6 W	IP 66	Ø 65 x 41 mm	RE 20838

### SECRET LIGHT

Standard warm white light.



Diameter	Finish	Bulb	Supply	Power	Protection	Dimensions	Code
Ø 88	Polished Steel	36 LED	10-30 V	9 W	IP 66	Ø 67 x 218 mm	RE 20842
Ø 88	Polished Steel	36 LED	10-30 V	6 W	IP 66	Ø 67 x 218 mm	RE 20843



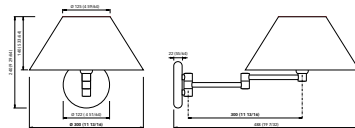
### SECRET LIGHT L

Standard warm white light.

Diameter	Finish	Supply	Power	Protection	Recessed	Code
Ø 199	Polished Steel	10 - 30 V	6 W	IP 66	Ø 148 x 235 mm	RE 20844



### APPLIQUE DOMINIQUE 15-9 \*

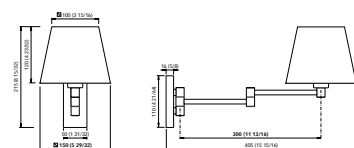


Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	170 x 195	RE 20702
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	170 x 195	RE 20703



### APPLIQUE DOMINIQUE 15-30 \*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	215 x 405	RE 20704
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	215 x 405	RE 20705



### APPLIQUE DOMINIQUE 18-30 \*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	226 x 420	RE 20706
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	226 x 420	RE 20707

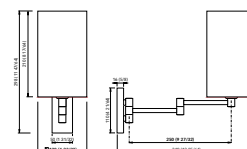
### APPLIQUE DOMINIQUE 22-35 \*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	246 x 490	RE 20708
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	246 x 490	RE 20709



### APPLIQUE DOMITILLA 12-25

On request: lampshade sand, brown, red Color

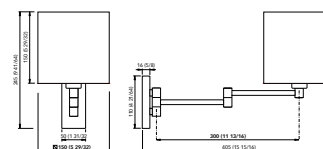


Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	210 x 340	RE 20710
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	210 x 340	RE 20711
Chromed brass	Linen	1xE14	110/220 V	25 W	IP 40	210 x 340	RE 20712
Chromed brass - Gold plated	Linen	1xE14	110/220 V	25 W	IP 40	210 x 340	RE 20713



### APPLIQUE DOMIZIANA 15-30

On request: lampshade sand, brown, red Color



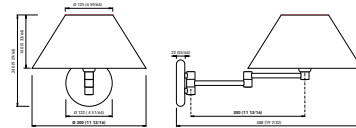
Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimens.	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	245 x 405	RE 20714
Chromed brass - Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	245 x 405	RE 20715
Chromed brass	Linen	1xE14	110/220 V	25 W	IP 40	245 x 405	RE 20716
Chromed brass - Gold plated	Linen	1xE14	110/220 V	25 W	IP 40	245 x 405	RE 20717

\*On request, lampshade sand, brown and bordeaux Color - E14 Entry on request.





### APPLIQUE IOLANDA 30-30\*



Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	300 x 488	RE 20690
Brass - Color Gold	Linen	1xB15d	12-24 V	20 W	IP 40	300 x 488	RE 20691



### APPLIQUE ISABELLA 15-12\*

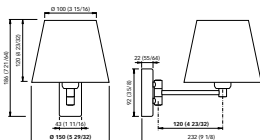
Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 232	RE 20692
Brass - Color Gold	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 232	RE 20693

### APPLIQUE ISABELLA 15-25\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 357	RE 20694
Brass - Color Gold	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 357	RE 20695

### APPLIQUE ISABELLA 15-30\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 357	RE 20696
Brass - Color Gold	Linen	1xB15d	12-24 V	20 W	IP 40	150 x 357	RE 20697



### APPLIQUE SHARON 10\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	142 x 122	RE 20698
Opaque Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	142 x 122	RE 20699

### APPLIQUE SHARON 15\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	189 x 173	RE 20480
Opaque Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	189 x 173	RE 20481

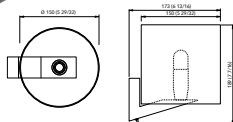
### APPLIQUE SHARON 20\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	260 x 225	RE 20700
Opaque Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	260 x 225	RE 20701

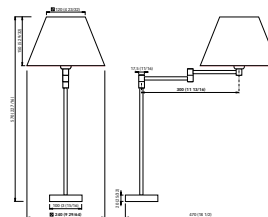


### APPLIQUE SHEILA\*

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	189 x 173	RE 20482
Opaque Aluminum	Linen	1xB15d	12-24 V	20 W	IP 40	189 x 173	RE 20483

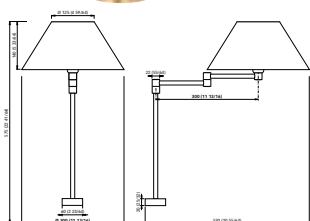


\*Lampshade: sand, brown, and bordeaux - Entry at E14.

**DENISE 24-30**

On request: lampshade in sand, brown or red Color

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	570 x 470	RE 20718
Brass Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	570 x 470	RE 20719
Chromed brass	Linen	1xE14	110/220 V	25 W	IP 40	570 x 470	RE 20720
Brass Gold plated	Linen	1xE14	110/220 V	25 W	IP 40	570 x 470	RE 20721

**ISOTTA 30-30**

On request: lampshade in sand, brown or red Color

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed brass	Linen	1xB15d	12-24 V	20 W	IP 40	575 x 530	RE 20722
Brass Gold plated	Linen	1xB15d	12-24 V	20 W	IP 40	575 x 530	RE 20723
Chromed brass	Linen	1xE14	110/220 V	25 W	IP 40	575 x 530	RE 20724
Brass Gold plated	Linen	1xE14	110/220 V	25 W	IP 40	575 x 530	RE 20725

**THEODORA R - Q**

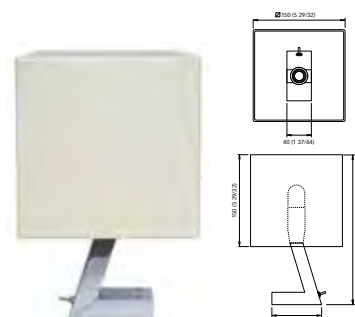
Table light with cylindrical (R) or square (Q) lampshade. On request: lampshade in sand, brown or red Color. Warm white light and courtesy light warm white or blue.

Bulb	Supply	Max capacity	Protection	Dimensions	Code
B15d	12 - 24 V	8 W	IP 20	Ø 360 x 495 mm	RE 20782
B15d	110 - 220 Vac	8 W	IP 20	Ø 360 x 495 mm	RE 20783
B15d	12 - 24 V	8 W	IP 20	360 x 180 x 495 mm	RE 20784
B15d	110 - 220 Vac	8 W	IP 20	360 x 180 x 495 mm	RE 20785

**MARTINE**

On request: lampshade in sand, brown or red Color

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 20	140 x 259	RE 20731
Matte anodised Aluminum	Linen	1xB15d	12-24 V	20 W	IP 20	140 x 259	RE 20732
Chromed Aluminum	Linen	1xE14	110/220 V	25 W	IP 20	140 x 259	RE 20733
Matte anodised Aluminum	Linen	1xE14	110/220 V	25 W	IP 20	140 x 259	RE 20734

**SARAH**

On request: lampshade in sand, brown or red Color

Base finish	Lamp shade	Bulb	Voltage	Max power	Protection	Dimensions	Code
Chromed Aluminum	Linen	1xB15d	12-24 V	20 W	IP 20	150 x 245	RE 20726
Matte anodized Aluminum	Linen	1xB15d	12-24 V	20 W	IP 20	150 x 245	RE 20727
Chromed Aluminum	Linen	1xE14	110/220 V	25 W	IP 20	150 x 245	RE 20728
Matte anodized Aluminum	Linen	1xE14	110/220 V	25 W	IP 20	150 x 245	RE 20729

# AC RECESSEDED LIGHTS



## SERIES AC - KOLE AC

Standard LED with natural or warm white light.

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
Ø 126 mm	Polished stainless steel	110-220 Vac	15 W	IP 66	80 mm	Ø 100 mm	RE 21070
Ø 124 mm	White composite material	110-220 Vac	15 W	IP 66	80 mm	Ø 100 mm	RE 21071



## SERIES AC - MATHILDA AC

Standard LED with natural or warm white light.

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
117 x117 mm	Polished stainless steel	110-220 Vac	15 W	IP 66	83,5 mm	Ø 100 mm	RE 21072
117 x117 mm	White composite material	110-220 Vac	15 W	IP 66	80 mm	Ø 100 mm	RE 21073



## SERIES AC - BYRON AC

Standard LED with natural or warm white light.

Dimensions	Finishing	Supply	Power	Protection	Recessed	Hole	Code
117 x117 mm	Polished stainless steel	110-220 Vac	15 W	IP 66	83,5 mm	Ø 100 mm	RE 21074
117 x117 mm	White composite material	110-220 Vac	15 W	IP 66	80 mm	Ø 100 mm	RE 21075

# LINEAR LED LIGHT SYSTEM



## MINI BAR SYRIA 15 VELVET

Aluminum led bar, adjustable, available in 3 lengths and 2 color temperatures. Ideal as an under-cabinet light.

Basic finish	Lamp	Voltage	Power	Protection	Dimensions	Code
Aluminum chromed	LED	10/15 V	1,5W	IP 40	150 x 24	RE 20485
Aluminum chromed	LED	20/30 V	1,5W	IP 40	150 x 24	RE 20486



## MINI BAR SYRIA 28 VELVET

Basic finish	Lamp	Voltage	Power	Protection	Dimensions	Code
Aluminum chromed	LED	10/15 V	1,5W	IP 40	278 x 24	RE 20487
Aluminum chromed	LED	20/30 V	1,5W	IP 40	278 x 24	RE 20488



## MINI BAR SYRIA 41 VELVET

Basic finish	Lamp	Voltage	Power	Protection	Dimensions	Code
Aluminum chromed	LED	10/15 V	1,5W	IP 40	406 x 24	RE 20489
Aluminum chromed	LED	20/30 V	1,5W	IP 40	406 x 24	RE 20490



## LINDA 21 - LINDA 31

Available light: natural white or warm white.

Model	Finish	Voltage	Power	Protection	Dimensions	Code
Linda 21	White	10 - 15 Vdc	1,5W	IP 40	211 x 21 x 15	RE 20950
Linda 21	White	20 - 30 Vdc	1,5W	IP 40	211 x 21 x 15	RE 20951
Linda 31	White	10 - 15 Vdc	3W	IP 40	313 x 21 x 15	RE 20951
Linda 31	White	20 - 30 Vdc	3W	IP 40	313 x 21 x 15	RE 20952



## DRESSUP

Available light: natural white or warm white. Length on request.

Finish	Voltage	Power	Protection	Dimensions	Code
Satin Aluminum	10 - 15 Vdc	4,8 W/m	IP 40	Ø 60	RE 20959
Satin Aluminum	20 - 30 Vdc	14,4 W/m	IP 40	Ø 60	RE 20960



### LED STEP LIGHT EASY FIT

Luci di cortesia a LED eleganti e senza tempo per un'ampia gamma di applicazioni interne ed esterne.

Lens Color	LED Color	Voltage	Consume	Dimensions	Inlet	Code
Transparent	White	12 - 24 VDC	0,5 W	45 x 31,5	25,4 x 14	RE 20749
Transparent	Warm White	12 - 24 VDC	0,5 W	45 x 31,5	25,4 x 14	RE 20750
Transparent	Blue	12 - 24 VDC	0,5 W	45 x 31,5	25,4 x 14	RE 20751
Transparent	Red	12 - 24 VDC	0,5 W	45 x 31,5	25,4 x 14	RE 20752



### LED STEP LIGHT OBLONG

Finish	LED Color	Voltage	Consume	Dimensions	Inlet	Code
316 polished stainless steel	Red	12 - 24 V	0,5 W	84 x 29	16 x 20	RE 20740
316 polished stainless steel	Blue	10 - 33 V	0,5 W	84 x 29	16 x 20	RE 20741
316 polished stainless steel	White	10 - 33 V	0,5 W	84 x 29	16 x 20	RE 20743
316 polished stainless steel	Warm White	10 - 33 V	0,5 W	84 x 29	16 x 20	RE 20744

On request mirror polished finiture.



### SURFACE STRIP LAMP

Lens Color	LED Color	Voltage	Consume	Dimensions	Code
Transparent	Red	12 V	3 W	285 x 25 x 10	RE 20745
Transparent	Red	24 V	3 W	285 x 25 x 10	RE 20746
Transparent	Blue	12 V	3 W	285 x 25 x 10	RE 20747
Transparent	Blue	24 V	3 W	285 x 25 x 10	RE 20748
Transparent	White	12 - 24 V	3 W	285 x 25 x 10	RE 20754
Transparent	Warm White	12 - 24 V	3 W	285 x 25 x 10	RE 20755



### RECESSEDED LED LAMP

Chromed steel frame

Lens Color	LED Color	Voltage	Consume	Dimensions	Inlet	Code
Transparent	5000° K	12 Vdc	2 W	250 x 50 x 28	218 x 20 x 20	RE 20970
Transparent	5000° K	24 Vdc	2 W	250 x 50 x 28	218 x 20 x 20	RE 20971



### PRE-WIRED RECESSEDED LED LAMP WITH 2.5 M CABLE

Lens Color	LED Color	Voltage	Consume	Dimensions	Inlet	Code
Transparent	White	12 Vdc	2 W	265 x 33 x 29	218 x 20 x 25	RE 20974
Transparent	White	24 Vdc	2 W	265 x 33 x 29	218 x 20 x 25	RE 20975
Transparent	Red	12 Vdc	2 W	265 x 33 x 29	218 x 20 x 25	RE 20976
Transparent	Red	24 Vdc	2 W	265 x 33 x 29	218 x 20 x 25	RE 20977

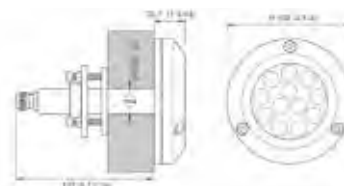
# UNDERWATER LIGHTS LED



## DELTA CHALLENGER SERIES

### CHALLENGER 30 CHALLENGER 45

Underwater LED lamp.



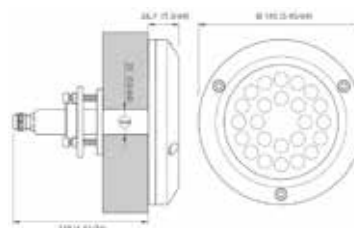
Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10 - 30 Vdc	30 W	IP 68	Ø 108	Ø 22 x 119	RE 21021
Stainless steel	Cold white	20 - 30 Vdc	45 W	IP 68	Ø 108	Ø 22 x 119	RE 21022



## DELTA CHALLENGER SERIES

### CHALLENGER 60 CHALLENGER 80

Underwater LED lamp.



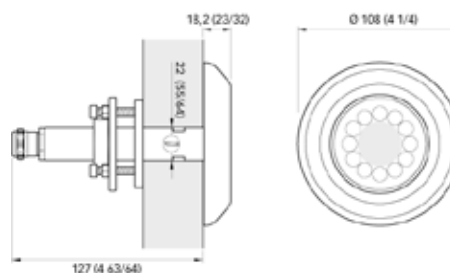
Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	20 - 30 Vdc	60/80 W	IP 68	Ø 145	Ø 22 x 119	RE 21023



## CLG EVOLUTION SERIES

### CLG EVOLUTION 30W CLG EVOLUTION 45W

Underwater LED lamp.



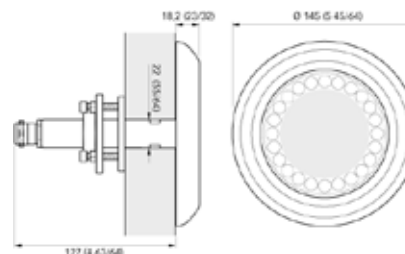
Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10 - 30 V	30 W	IP 68	Ø 108	Ø 22 x 127	RE 21024
Stainless steel	Cold white	10 - 30 V	45 W	IP 68	Ø 108	Ø 22 x 127	RE 21025



## CLG EVOLUTION SERIES

### CLG EVOLUTION 60W CLG EVOLUTION 80W

Underwater LED lamp.



Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10 - 30 V	60 W	IP 68	Ø 145	Ø 22 x 127	RE 21026
Stainless steel	Cold white	10 - 30 V	80 W	IP 68	Ø 145	Ø 22 x 127	RE 21027

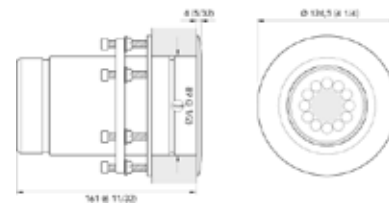
# UNDERWATER LIGHTS LED

**Quick**<sup>®</sup>  
MARINE LIGHTING



### CLG THI 30W

LED light for underwater installations in AISI 316 stainless steel.

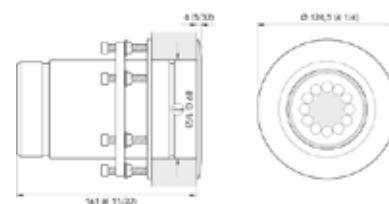


Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10-30 V	30 W	IP 68	Ø 124,5 mm	Ø 89 x 161 mm	RE 21011



### CLG THI 45W

LED light for underwater installations in AISI 316 stainless steel.

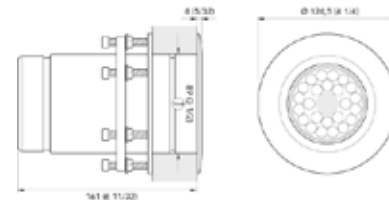


Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10-30 V	45 W	IP 68	Ø 124,5 mm	Ø 89 x 161 mm	RE 21012



### CLG THI 60W

LED light for underwater installations in AISI 316 stainless steel.

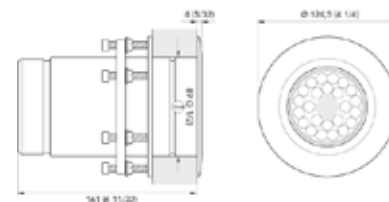


Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10-30 V	60 W	IP 68	Ø 124,5 mm	Ø 89 x 161 mm	RE 21013



### CLG THI 80W

LED light for underwater installations in AISI 316 stainless steel.



Material	LED light	Voltage	Power	Protection	Diameter	Inlet hole	Code
Stainless steel	Cold white	10-30 V	80 W	IP 68	Ø 124,5 mm	Ø 89 x 161 mm	RE 21018



### DOME LAMP

Base in polished aluminum with epossidic powders.  
Screen in opaline polycarbonate with halogen lamp and switch.

Diameter	Thickness	Bulb	Voltage	Power	Code
Ø 150 mm	37 mm	Halogen	12 V	20 W	RE 20115
Ø 150 mm	37 mm	Halogen	24 V	20 W	RE 20116
Ø 190 mm	48 mm	Neon	12 V	9 W	RE 20117
Ø 190 mm	48 mm	Neon	24 V	9 W	RE 20118



### ROUND SHAPED FIXTURE

Stainless steel body. Screen in transparent knurling. Rotation working.

Diameter	Thickness	Bulb	Voltage	Power	Code
Ø 103 mm	32mm	silure	12V	10 W	RE 20157
Ø 146 mm	32mm	silure	12V	10 W	RE 20158



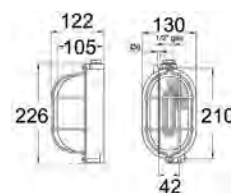
Chromed brass body  
Screen in transparent knurling glass with lamp and switch.

Diameter	Thickness	Bulb	Voltage	Power	Code
Ø 140 mm	34mm	BA15D	12V	20 W	RE 20165
Ø 175 mm	36mm	BA15D	12V	20 W	RE 20166



### OVAL WATERTIGHT LIGHTING

In aluminum alloy UNI5076. Finished with trivalent chrome.  
RAL7035 grey paint.  
Tropicalized steel wire protective cage.  
Glass spreader pirex type.  
CEI EN 60598-1 CEI EN 60598-2-1 CEI 34-23.

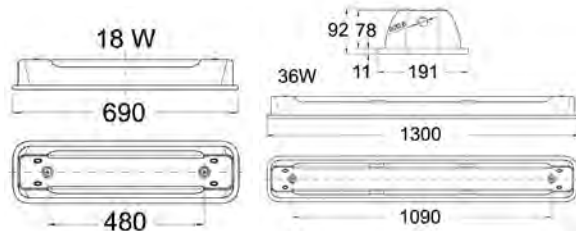


Model	Voltage	Power	Lamp holder	Cable gland	Fixing	Dimensions mm	Protections	Code
RINO oval 100 W	250 V	100 W	E 27	1 x 1/2"	2 screws	130 x 226 x 105	IP 65	RE 20380



### NEON WATERTIGHT STAINLESS STEEL FIXTURE

Base in stainless steel  
Glass diffuser  
White flood light  
Electromagnetic power supply 230V 50/60Hz



Models	Voltage	Power	Lamp holder	Cable gland	Dimensions mm	Protections	Code
RINO 1 x 18 W	250 V	1 x 18 W	G13 T8	PG 13,5	700 x 220 x 90	IP 66	RE 20381
RINO 2 x 18 W	250 V	2 x 18 W	G13 T8	PG 13,5	700 x 220 x 90	IP 66	RE 20382
RINO 1 x 36 W	250 V	1 x 36 W	G13 T8	PG 13,5	1310 x 220 x 90	IP 66	RE 20381/36
RINO 2 x 36 W	250 V	2 x 36 W	G13 T8	PG 13,5	1310 x 220 x 90	IP 66	RE 20382/36





### NEON FIXTURE

Base in polished Aluminum with epossidic powders.  
Screen in opaline polycarbonate with courtesy blue light 5 W.

Dimensions	Thickness	Bulb	Voltage	Power	Code
242 mm x 145 mm	45 mm	Neon	12 V	9 W	RE 20119
242 mm x 145 mm	45 mm	Neon	24 V	9 W	RE 20120



### NEON FIXTURE

Base in polished Aluminum with epossidic powders. White Colored.  
Screen in lenticular metacrylate with neon lamp and switch.

Dimensions	Thickness	Bulb	Voltage	Power	Code
320 mm x 125 mm	41 mm	Neon	12 V	11 W	RE 20121
320 mm x 125 mm	41 mm	Neon	24 V	11 W	RE 20122



### NEON FIXTURE

White ABS base.  
Screen in polycarbonate with neon tube and switch.

Base	Thickness	Bulb	Voltage	Power	Code
400 mm x 76 mm	37 mm	Neon	12 V	11 W	RE 20123
400 mm x 76 mm	37 mm	Neon	24 V	11 W	RE 20124



### NEON FIXTURE

Base in polished Aluminum with epossidic powders.  
Screen in transparent polycarbonate with neon tube and switch.

Base	Thickness	Bulb	Voltage	Power	Code
669 mm x 69 mm	34 mm	Tube at Neon	12 V	13 W	RE 20125
669 mm x 69 mm	34 mm	Tube at Neon	24 V	13 W	RE 20126



### PLASTIC FIXTURE

Screen in transparent knurling polycarbonate with lamp and switch.

Dimensions	Thickness	Bulb	Voltage	Power	Code
165 x 38 mm	27mm	silure	12/24V	5W	RE 20019
120 x 35 mm	27mm	silure	12/24V	5W	RE 20020



### FLUORESCENT FIXTURE FOR INTERIOR

Plastic construction shockproof.  
Equipped with a switch.  
Protected against reverse polarity.



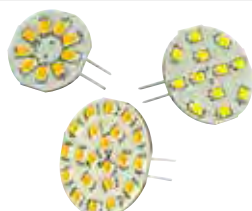
Length	Bulb	Voltage	Power	Dimensions	Code
255 mm	Neon	12 V	7 W	60 x 35 mm	RE 20025
255 mm	Neon	24 V	7 W	60 x 35 mm	RE 20026
285 mm	Neon	12 V	7 W	60 x 35 mm	RE 20027
285 mm	Neon	24 V	7 W	60 x 35 mm	RE 20028
355 mm	Neon	12 V	7 W	60 x 35 mm	RE 20029
355 mm	Neon	24 V	7 W	60 x 35 mm	RE 20030



### LED LAMP SOCKET G4

Warm light, cold light on request.

LED N°	Socket	Voltage	Power	Lumen	Color	Dimensions	Code
9	G4	8-35 V	1,5 W	120	Warm white	Ø 23 mm	RE 00180
12	G4	8-35 V	2 W	170	Warm white	Ø 30 mm	RE 00181
21	G4	8-35 V	3 W	270	Warm white	Ø 35 mm	RE 00186



### LED LAMP SOCKET G4 BACK

LED N°	Socket	Voltage	Power	Lumen	Color	Dimensions	Code
9 smd	G4	8-35 V	1,5 W	120	Warm white	Ø 23 mm	RE 00187
12 smd	G4	8-35 V	2 W	170	Warm white	Ø 30 mm	RE 00188
21 smd	G4	8-35 V	3 W	270	Warm white	Ø 35 mm	RE 00189



### LED LAMP SOCKET E14

Cold light.

Socket	Voltage	Power	Ray ill.	Dimensions	Code
E14	10-30V	0,7 W	360°	Ø 51 x 25,5 mm	RE 00175



### LED LAMP SOCKET E27

Warm light, cold light on request.

Socket	Voltage	Power	Ray ill.	Dimensions	Code
E27	10-30V	8 W	360°	Ø 60 x 110 mm	RE 00176



### FESTOON LED BULB SOCKET SV 8,5 - 8

Cold light on request.

Socket	Voltage	LED N°	LED Color	Dimensions	Code
SV 8,5-8	8-35 V	4	Warm white	31 mm	RE 00182
SV 8,5-8	8-35 V	3	Warm white	37 mm	RE 00183
SV 8,5-8	8-35 V	3	Blue	42 mm	RE 00184
SV 8,5-8	8-35 V	6	Warm white	42 mm	RE 00185



### LED LAMP SOCKET BA/BAY15D

Cold light.

Socket	Voltage	Power	LED N°	Dimensions	Code
BA15D	8-35 V	2,5 W	18	Ø 22 x 45 mm	RE 00190
BAY15D	8-35 V	2,5 W	18	Ø 22 x 45 mm	RE 00191



### LED LAMP MR 11

Warm light and cold light.

Socket	Voltage	Power	LED N°	Dimensions	Code
MR11	8-35 V	2 W	1	Ø 35 x 33 mm	RE 00192



### LED LAMP MR 16

Warm light and cold light.

Socket	Voltage	Power	LED N°	Dimensions	Code
MR16	8-35 V	5 W	4	Ø 50 x 46 mm	RE 00193

**G4 HALOGEN BULB**

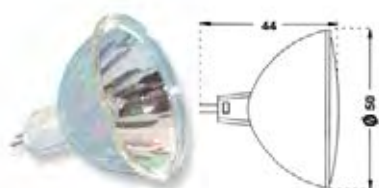
Socket	Voltage	Power	Length	Diameter	Code
G4	12 V	5 W	31 mm	9 mm	RE 00114
G4	12 V	10 W	31 mm	9 mm	RE 000 61
G4	12 V	20 W	32 mm	9 mm	RE 000 62
G4	24 V	10 W	33 mm	9 mm	RE 000 82
G4	24 V	20 W	34 mm	9 mm	RE 000 83
G4	28 V	10 W	35 mm	9 mm	RE 000 84
G4	28 V	20 W	36 mm	9 mm	RE 000 85

**GY6,35 HALOGEN BULB**

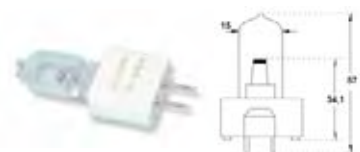
Socket	Voltage	Power	Length	Diameter	Code
GY6,35	12 V	50 W	44 mm	12 mm	RE 00048
GY6,35	12 V	100 W	44 mm	12 mm	RE 00049
GY6,35	24 V	50 W	44 mm	12 mm	RE 00050
GY6,35	24 V	100 W	44 mm	12 mm	RE 00051

**GU4 DICHOIC HALOGEN BULB**

Socket	Voltage	Power	Length	Diameter	Code
GU4	12 V	20 W	38°	Ø 35 mm	RE 00036
GU4	24 V	20 W	38°	Ø 35 mm	RE 00037
GU4	24 V	35 W	38°	Ø 35 mm	RE 00115

**GU5,3 DICHOIC HALOGEN BULB**

Socket	Voltage	Power	Length	Diameter	Code
GU5,3	12 V	20 W	38°	Ø 50 mm	RE 00090
GU5,3	12 V	50 W	38°	Ø 50 mm	RE 00116
GU5,3	24 V	20 W	38°	Ø 50 mm	RE 00091
GU5,3	28 V	20 W	38°	Ø 50 mm	RE 00117
GU5,3	28 V	50 W	38°	Ø 50 mm	RE 00118

**BULB FOR SANSHIN SEARCHLIGHTS**

Socket	Voltage	Power	Length	Diameter	Code
b-plug	12 V	55 W	57	15	RE 00029
b-plug	24 V	55 W	57	15	RE 00030

**H1 HALOGEN BULB**

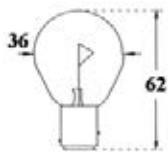
Socket	Voltage	Power	Length	Diameter	Code
H 1	12 V	55 W	67,5 mm	8,5 mm	RE 00119
H 1	24 V	70 W	67,5 mm	8,5 mm	RE 00120

**H2 HALOGEN BULB**

Socket	Voltage	Power	Length	Diameter	Code
H 2	12 V	55 W	67,5 mm	8,5 mm	RE 00145
H 2	24 V	70 W	31 mm	9 mm	RE 00026

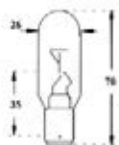
**H3 HALOGEN BULB (ATTACK PK22S)**

Socket	Voltage	Power	Length	Diameter	Code
PK22S	12 V	55 W	42 mm	11,5 mm	RE 00019
PK22S	24 V	70 W	42 mm	11,5 mm	RE 00020



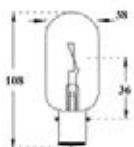
### BAY15D DOUBLE POLE BULB, VERTICAL FILAMENT

Socket	Voltage	Power	Length	Diameter	Code
BAY15D	12 V	25 W	62 mm	36 mm	RE 00092
BAY15D	24 V	25 W	62 mm	36 mm	RE 00093
BAY15D	12 V	10 W	62 mm	36 mm	RE 00094
BAY15D	24 V	10 W	62 mm	36 mm	RE 00095



### BAY15D LONG LIFE BULB

Socket	Voltage	Power	Length	Diameter	Code
BAY15D	12 V	25 W	70 mm	26 mm	RE 00042
BAY15D	24 V	25 W	70 mm	26 mm	RE 00043
BAY15D	12 V	10 W	70 mm	26 mm	RE 00044
BAY15D	24 V	10 W	70 mm	26 mm	RE 00045



### LONG LIFE BULB P28S ATTACK

Socket	Voltage	Power	Length	Diameter	Code
P28S	24 V	40 W	108 mm	38 mm	RE 00123
P28S	220 V	65 W	108 mm	38 mm	RE 00124



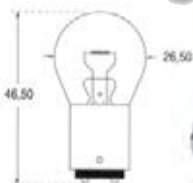
### BULB FOR DHR SEARCHLIGHTS

Voltage	Power	Diameter	Projector fixing	Maximum range	Code
10-32 VDC	10 W	Ø 150 mm	3 x 7 mm	447 mt	RE 58810/B



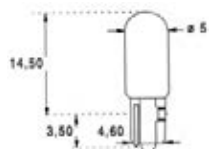
### BULB FOR JABSCO SEARCHLIGHTS

Socket	Voltage	Power	Length	Width	Code
Grafting	12,8 V	50 W	150 mm	92 mm	RE 58999/B
Faston	12,8 V	50 W	165 mm	100 mm	RE 58998/B



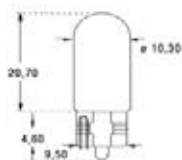
### BA15D DOUBLE POLE BULB

Socket	Voltage	Power	Length	Diameter	Code
BA15D	12 V	15 W	46,5 mm	26,50 mm	RE 00005
BA15D	24 V	15 W	46,5 mm	26,50 mm	RE 00006
BA15D	12 V	20 W	46,5 mm	26,50 mm	RE 00046
BA15D	24 V	20 W	46,5 mm	26,50 mm	RE 00047



### WEDGE GLASS BASE W2X4,6D

Socket	Voltage	Power	Length	Diameter	Code
W2X4,6D	12 V	1,2 W	18 mm	5 mm	RE 00052
W2X4,6D	24 V	1,2 W	31 mm	5 mm	RE 00053



### WEDGE GLASS BASE W2,1X9,5D

Socket	Voltage	Power	Length	Diameter	Code
W2,1X9,5D	12 V	3 W	25,30 mm	10,3 mm	RE 00001
W2,1X9,5D	24 V	3 W	25,30 mm	10,3 mm	RE 00002



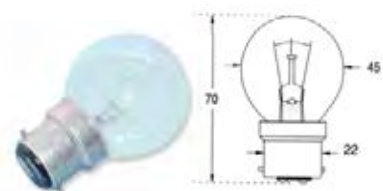
### E14 SPHERICAL LED BULB

Socket	Voltage	Power	Length	Diameter	Code
E14 - 3000° K	24 V	5W	82 mm	45 mm	RE 00156
E14 - 4000° K	24 V	5W	82 mm	45 mm	RE 00157
E14 - 6000° K	24 V	5W	82 mm	45 mm	RE 00158



### E27 SPHERICAL LED BULB

Socket	Voltage	Power	Length	Diameter	Code
E27 - 3000° K	24 V	5 W	82 mm	45 mm	RE 00165
E27 - 4000° K	24 V	5 W	82 mm	45 mm	RE 00166
E27 - 6000° K	24 V	5 W	82 mm	45 mm	RE 00167



### B22 SPHERICAL LED BULB

Socket	Voltage	Power	Length	Diameter	Code
B22	12 V	15 W	70 mm	45 mm	RE 00131
B22	14 V	25 W	70 mm	45 mm	RE 00132
B22	12 V	40 W	70 mm	45 mm	RE 00133
B22	24 V	40 W	70 mm	45 mm	RE 00135
B22	24 V	60 W	70 mm	45 mm	RE 00136



### E27 STANDARD LED BULB

Socket	Voltage	Power	Length	Diameter	Code
E27- 3000° K	24 V	8 W	121 mm	60 mm	RE 00086
E27- 4000° K	24 V	8 W	121 mm	60 mm	RE 00087
E27- 6000° K	24 V	8 W	121 mm	60 mm	RE 00021



### B22 STANDARD BULB

Socket	Voltage	Power	Length	Diameter	Code
B22	12 V	40 W	103 mm	60 mm	RE 00063
B22	24 V	60 W	103 mm	60 mm	RE 00150



### FLUORESCENT TUBE

Life	Light	Power	Length	Diameter	Code
8000h	cold	4 W	136 mm	16 mm	RE 00137
8000h	cold	6 W	212 mm	16 mm	RE 00138
8000h	cold	8 W	288 mm	16 mm	RE 00065
8000h	warm	13 W	516 mm	16 mm	RE 00066



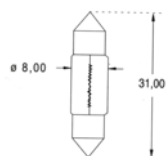
### FLUORESCENT TUBE

Life	Light	Power	Length	Diameter	Code
8000 h	cold	7 W	120 mm	34 mm	RE 00069
8000 h	cold	9 W	152 mm	34 mm	RE 00067
8000 h	cold	11 W	210 mm	34 mm	RE 00068



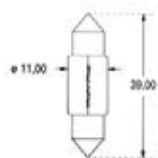
### FLUORESCENT TUBE WITH SEPARATED SUPPLY

Life	Light	Power	Length	Diameter	Code
10000 h	cold	7 W	137 mm	27 mm	RE 00139
10000 h	cold	11 W	237 mm	27 mm	RE 00140



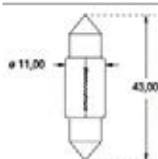
### SV 7,8 FESTOON BULB

Socket	Voltage	Power	Length	Diameter	Code
SV 7,8	12V	3W	31 mm	8 mm	RE 00054
SV 7,8	24V	3W	31 mm	8 mm	RE 00055



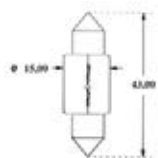
### SV 8,5-8 FESTOON BULB

Socket	Voltage	Power	Length	Diameter	Code
SV 8,5 - 8	12V	5W	38 mm	10 mm	RE 00023
SV 8,5 - 8	12V	10W	38 mm	10 mm	RE 00017
SV 8,5 - 8	24V	5W	38 mm	10 mm	RE 00024
SV 8,5 - 8	24V	10W	38 mm	10 mm	RE 00018



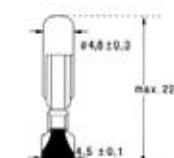
### SV 8,5-8 FESTOON BULB

Socket	Voltage	Power	Length	Diameter	Code
SV 8,5 - 8	12V	10W	43 mm	11 mm	RE 00027
SV 8,5 - 8	24V	10W	43 mm	11 mm	RE 00028



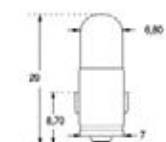
### SV 8,5-8 FESTOON BULB

Socket	Voltage	Power	Length	Diameter	Code
SV 8,5 - 8	12V	15W	43 mm	15 mm	RE 00015
SV 8,5 - 8	12V	18W	43 mm	15 mm	RE 00013
SV 8,5 - 8	24V	10W	43 mm	15 mm	RE 00016
SV 8,5 - 8	24V	18W	43 mm	15 mm	RE 00014



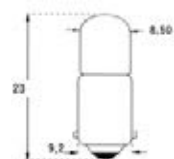
### T 5,5K INCANDESCENT BULB

Socket	Voltage	Power	Length	Diameter	Code
T 5,5K	12V	1,2W	22 mm	4,8 mm	RE 00031
T 5,5K	24V	1,2W	22 mm	4,8 mm	RE 00032
T 5,5K	30V	1,2W	22 mm	4,8 mm	RE 00033



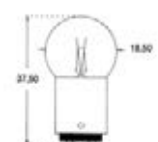
### BA7S BULB

Socket	Voltage	Power	Length	Diameter	Code
BA7S	12V	2W	20,7 mm	6,8 mm	RE 00038
BA7S	24V	2W	20,7 mm	6,8 mm	RE 00039



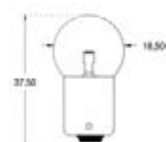
### BA9S MICROSVAN BULB

Socket	Voltage	Power	Length	Diameter	Code
BA9S	12V	2W	23 mm	8,5 mm	RE 00141
BA9S	12V	4W	23 mm	8,5 mm	RE 00011
BA9S	24V	2W	23 mm	8,5 mm	RE 00142
BA9S	24V	4W	23 mm	8,5 mm	RE 00012



### BA15D DOUBLE POLE SVAN BULB

Socket	Voltage	Power	Length	Diameter	Code
BA15D	12V	5W	37,5 mm	19 mm	RE 00003
BA15D	24V	5W	37,5 mm	19 mm	RE 00004



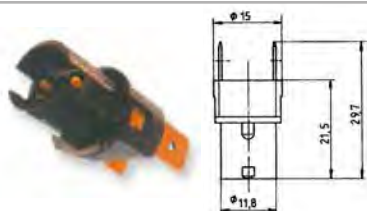
### BA15S ONE POLE BULB

Socket	Voltage	Power	Length	Diameter	Code
BA15S	12V	5W	37,5 mm	19 mm	RE 00034
BA15S	24V	5W	37,5 mm	19 mm	RE 00035
BA15S	12V	10W	37,5 mm	19 mm	RE 00040
BA15S	24V	10W	37,5 mm	19 mm	RE 00041

**LAMPHOLDER FOR G4-GY6,35 BULBS**

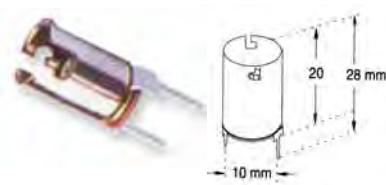
Mica insulation body. Nickel contacts.  
Pre wired with 32,5cm cable.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
G4 - GY6,35	9	17	300° C	50 V	RE 00089

**LAMPHOLDER FOR W2,1D BULBS**

Black polycarbonate body. Faston terminals.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
W2,1D	29,7	11,8	105° C	50 V	RE 00098

**LAMPHOLDER FOR BA9S BULBS**

Metal body

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
BA9S	28	10	105° C	50 V	RE 00099

**LAMPHOLDER FOR BA15D BULBS**

Galvanized steel body. Screw terminals.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
BA15d	27,5	31	165° C	250 V	RE 00078

**LAMPHOLDER FOR BA15D BULBS**

Galvanized steel body. Screw terminals.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
BA15d	36	23	165° C	250 V	RE 00088/M

**LAMPHOLDER FOR B22 BULBS**

Body in brass with inserts in porcelain. Steel contacts.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
B22	44	30	165° C	250 V	RE 00143

**LAMPHOLDER FOR BAY15D BULBS**

Stainless steel body. Base completely insulated in porcelain.

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
BAY15D	-	-	165° C	250 V	RE 00088/B

**LAMPHOLDER FOR E27 BULBS**

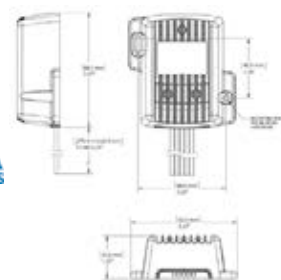
Body in brass realized in three parts

Bulb connections	Thickness mm	Diameter mm	Temperature max	Voltage max	Code
E27	55	40	230° C	250 V	RE 00144



### DIGITAL DIMMER WITH ELECTRONIC CONTROL

It can be used as a dimmer for Strip Le IP 65  
It can memorize its status before the switch - off  
Designed for dimmer from 0 to 100% the input supply.



Voltage	MAX power	Length	Height	Temp.	Code
9 - 16 Vdc	6 A	82,55 mm	88,9 mm	-40° +85°	RE 20133
9 - 16 Vdc	12 A	82,55 mm	88,9 mm	-40° +85°	RE 20134
9 - 16 Vdc	25 A	82,55 mm	88,9 mm	-40° +85°	RE 20164
18-32 Vdc	6 A	82,55 mm	88,9 mm	-40° +85°	RE 20135
18-32 Vdc	12 A	82,55 mm	88,9 mm	-40° +85°	RE 20136



### PS 45

Protections: overheating, overvoltage and overcharge  
On request only.



Input voltage	Output voltage	Max charge	Max charge A	Installation	Dimensions mm	Code
85 - 264 Vac	24 Vdc	45 W	2 A	DIN EN 50.022 bar	93 x 78 x 67	RE 20758



### PS 60

Protections: overheating, overvoltage and overcharge.



Input voltage	Output voltage	Max charge	Max charge A	Installation	Dimensions mm	Code
85 - 264 Vac	24 Vdc	60 W	2,5 A	DIN EN 50.022 Bar	78 x 93 x 56	RE 20759



### PS 240

Protections: overheating, overvoltage and overcharge  
On request only.



Input voltage	Output voltage	Max charge	Max charge A	Installation	Dimensions mm	Code
85 - 264 Vac	24 Vdc	240 W	10 A	DIN EN 50.022 Bar	125 x 125 x 100	RE 20760



### DIMMER ZDIM100



Supply V	Max charge W	Fuse A	Control Mode	Dimensions mm	Code
12/24	100	8	button	80 x 30 x 56	RE 20757

### LDIM BUS 2CH

Dimmer for the lights control and LED Strip. It equipped with two channels.



Supply	Max charge W	Fuse A	Control Mode	Dimensions mm	Code
10 - 30 Vdc	50 W a 12 V - 100 W a 24 V	8 A	button	53 x 63 x 90	RE 20753

### LDIM BUS RGBW

Dimmer for the lights control and Strip White LED and RGB LED Strip.



Supply	Max charge W	Fuse A	Control Mode	Dimensions mm	Code
10 - 30 Vdc	75 W a 12 V - 150 W a 24 V	8 A	button	105 x 63 x 107	RE 20756

### DC-DC CONVERTER

DC/DC converter with overvoltage and overload protection.



Input voltage Vdc	Output voltage Vdc	Power W	Dimensions mm	Code
19 - 36	24	50	159 x 98 x 38	RE 20761
19 - 36	24	100	199 x 98 x 38	RE 20762
19 - 36	24	150	199 x 110 x 50	RE 20763



# DIMMER AND ELECTRONIC BALLAST



## QUICK COLOR CONTROL RGBW SYSTEM COLOR CONTROLLER QCC-LCS TP

Control device for Quick RGBW lights.

Alimentation: 10-30 Vdc - 30 mA  
Output: DMX512 comand signal  
Dimensions: 86x86x35,6 mm Recesseded: 24,4 mm

Quick  
MARINE LIGHTING

RE 20176



## QUICK COLOR CONTROL CPLITTER DMX QCC-SPT DMX

Input: 4 DMX signals  
Output: comand signal in DMX to QCC-PLT 300  
Dimensions: 87,5x58x98,6 mm

Quick  
MARINE LIGHTING

RE 20177



## QUICK COLOR CONTROL QCC-PLT 300

Quick RGBW system management device

Alimentation: 10-30 Vdc - 150 W@12V - 300 W@24V Input: DMX512 or push-buttons  
Output: Control signal for QCC-DRV CH4  
Short circuit, overheating, overload and voltage spikes protection  
Dimensions: 87,5x58x112 mm

Quick  
MARINE LIGHTING

RE 20178



## QUICK COLOR CONTROL QCC-DRV CH4

RGBW downlights driver

Input: Control signal for QCC-PLT 300  
Output: 350 mA max constant current for each Color, to drive the QCC RGBW downlights  
Short circuit, overheating, overload and voltage spikes protection  
Dimensions: 66,5x59x27,4 mm

Quick  
MARINE LIGHTING

RE 20179



## MODULAR DIMMER 12V-24V

Switch-off state memory. Easy electric system: two buttons only.  
Features: micro-controller system.  
Internal protection of the circuit breaker – thermal protection.  
LED installed – radio noises free. Stop at 100% and stop at 15%.  
Switch-off state memory. Not suitable for fluorescent bulbs.

aber  
marine

Voltage	MAX power	Length	Height	Depth	Code
12-24V	350-150 W	52 mm	88 mm	70 mm	RE 20175



## DIMMER HDMI 300 PLUS

Dimmer for control of white LED and halogen spotlights

Quick  
MARINE LIGHTING

Model	Supply	MAX Power	Dimensions mm	Control	Fusible	Code
Master	10-30 Vdc	150W a 12V - 300W a 24V	88x58x52	button	15 A	RE 20173
Slave	10-30 Vdc	150W a 12V - 300W a 24V	88x58x52	Master controlled	15 A	RE 20174



## DC/AC CONVERTER

Electronic ballast for neon lamp. High reliability  
Protection against input reverse polarity and overcharge  
Low consumption. Dimmerable

aber  
marine

Model	Input supply	Power MAX	Fluorescent bulb power	Bulb N°	Rapid clutch	Dimensions mm	Code
Electronic ballast 13W	24 W	13 W	1 x 13 W	1	screw	42 x 168 x 28	RE 20171
Electronic ballast 36W	24 V	36 W	1 x 36 W / 1 x 18 W	1	screw	42 x 168 x 28	RE 20167
Electronic ballast 40W	24 V	40 W	1 x 36 W / 2 x 18 W	1 o 2	screw	67 x 287 x 39	RE 20170
Electronic ballast 80W	24 V	80 W	1 x 36 W / 2 x 36 W	1 o 2	screw	67 x 287 x 39	RE 20168





### FLEXIBLE STRIP WITH DIMMER LED

Flexible adhesive strip with SMD LED which can be used in several applications: Symbols, decorative lighting, luminous writing...

5mt cable included

LEDs can be divided into 3 LED of 5cm and can be combined with single Colors

Circuit has a self adhesive tape 3M on the back side

Color	Voltage V	LED n°/m	Light angle	Consume W/m	Temperature °C	Code
Warm White	12	60	120°	4,8	-25 +60	RE 20419
	24	60	120°	4,8	-25 +60	RE 20419/24
White	12	60	120°	4,8	-25 +60	RE 20420
	24	60	120°	4,8	-25 +60	RE 20420/24
Blue	12	60	120°	4,8	-25 +60	RE 20421
	24	60	120°	4,8	-25 +60	RE 20421/24
Green	12	60	120°	4,8	-25 +60	RE 20422
	24	60	120°	4,8	-25 +60	RE 20422/24
Red	12	60	120°	4,8	-25 +60	RE 20424
	24	60	120°	4,8	-25 +60	RE 20424/24
RGB	12	30	120°	7,2	-25 +60	RE 20425
	24	30	120°	7,2	-25 +60	RE 20425/24



### POWER UNIT FOR LED STRIPS

Switching power unit in a metallic case. High reliability and low work temperature

Compact and light, with input protections for surcharges. Short circuit and over voltage protection

Input voltage	Output voltage	Amperage	Dimensions	Code
100 - 240 Vac	12 Vdc	5 A	159 x 97 x 38 mm	RE 20430

### CONTROL KIT FOR LED STRIPS

Regulation control of the Colors of the LED strips RGB ( Max 2 cable of 5mt )

Supply: 12V

Kit includes: Control box , Remote control

RE 20426



### BACKLIT LETTERS STANDARD LINE

In opal, UV resistant, anti-yellow, width 15mm

Front in steel AISI 316 width 2mm with polished or shine finish

LED functions at 12V 120° and Colors may be white, red or blue

Letters are provided with threaded studs ø 5mm, length 8cm

Letters are provided with dima for the placement and the drilling of the thru-hull and instructions.

Letter height	Front width	Supply	Lighting	Code
15 - 20 cm	2mm	12V	LED	RE 20427
20 - 25 cm	2 mm	12V	LED	RE 20428
26 - 40 cm	2mm	12V	LED	RE 20429

N.B higher Dimensions are available under custom production conditions.



### STRIP LED

Color	Supply V	Consume W/m	Consume A/m	Lenght cable m	Code
White	10 - 15	4,8	0,6	5	RE 20764
White	20 -30	4,8	0,3	5	RE 20765
Warm White	10 - 15	4,8	0,6	5	RE 20766
Warm White	20 -30	4,8	0,3	5	RE 20767
Red	20 -30	4,8	0,3	5	RE 20768
Blue	20 -30	4,8	0,3	5	RE 20769



### STRIP LED - HP

Waterproof LED strip (IP65) high UV resistance  
Length on request

Color	Supply V	Power W/m a 24 V	Luminous flux lm	Dimensions mm	Code
Natural white	20 -30	12	570	4 x 12	RE 20995
Warm white	20 -30	12	500	4 x 12	RE 20996



### STRIP LED - HP PLUS

Waterproof LED strip (IP 65) high UV resistance  
Length on request

Color	Supply V	Power W/m a 24 V	Luminous flux lm	Dimensions mm	Code
Natural white	20 -30	10	620	4 x 12	RE 20997
Warm white	20 -30	10	540	4 x 12	RE 20998



### STRIP LED - WR

Waterproof LED strip (IP 65) high UV resistance  
Length on request

Supply V	Power W/m a 24 V	Luminous flux lm	Dimensions mm	Code
20 -30	2,6	140	4 x 14,5	RE 20978



### STRIP LED - RGBW

Waterproof LED strip (IP 65) high UV resistance  
Length on request  
Color: RGB + white

Supply V	Power W/m a 24 V	Luminous flux lm	Dimensions mm	Code
20 -30	11	410	4 x 14,5	RE 20979



### SIMPLY 465 - SIMPLY 920

Available light: natural white or warm white - Dimmable.

Model	Finish	Voltage	Power	Protection	Dimensions	Code
SIMPLY 465	White 9010	10 - 15 Vdc	14,4 W/m	IP 40	465x18x11	RE 20954
SIMPLY 465	White 9010	20 - 30 Vdc	14,4 W/m	IP 40	465x18x11	RE 20955
SIMPLY 920	White 9010	10 - 15 Vdc	14,4 W/m	IP 40	920x18x11	RE 20956
SIMPLY 920	White 9010	20 - 30 Vdc	14,4 W/m	IP 40	920x18x11	RE 20957



### INFINITY

Aluminum led bar with rigid opal polycarbonate protection that allows the light to be spread evenly.

Finish	Voltage	Power	Protection	Dimensions	Code
Satin Aluminum	24 Vdc	8 W/m	IP 40	10 x 15	RE 20949



### MAXI BAR

Fully Recessed bar, available in natural white and warm white  
Length on request.

Finish	Voltage	Power	Protection	Dimensions	Code
Opaline	20 - 30 Vdc	18 W/m	IP 66	30 x 31,5	RE 20958



### STARRY SKIES

Fiber optic lighting, white/RGB.

Model	Voltage	Color	Consump.	Fiber N°	Protection	Length	Code
SSW1	10 - 30 Vdc	Bianco	3 W	60	IP 65	2,5 m	RE 20961
SSW2	10 - 30 Vdc	Bianco	3 W	60 + 60	IP 65	2,5 + 4 m	RE 20962
SSC1	10 - 15 Vdc	RGB	3 W	60	IP 65	2,5 m	RE 20963
SSC1	20 - 30 Vdc	RGB	3 W	60	IP 65	2,5 m	RE 20964
SSC2	10 - 15 Vdc	RGB	3 W	60 + 60	IP 65	2,5 + 4 m	RE 20965
SSC2	20 - 30 Vdc	RGB	3 W	60 + 60	IP 65	2,5 + 4 m	RE 20966



### ONDALED

Ondaled is an innovative product suitable to both light up and decorate, especially outdoor considering its IP67 rate. It's an highly flexible silicon bar which irradiates through a resinated surface.

Finish	Voltage	Power	Protection	Dimensions	Code
Opaline	10 - 15/20 - 30 Vdc	10 W/m	IP 67	Up to 603 cm	RE 20967

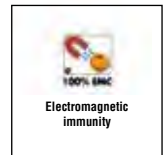
# 19 ON BOARD SECURITY



- Wireless alarm systems
- Safes

**aber**  
marine

**indel**  
**Webasto**  
Marine



## WIRELESS ALARM SYSTEM

**EASY TO INSTALL:**  
No wires needed  
No necessary to modify your boat internal

**SIMPLE TO PROGRAM:**  
Immediately activate after few operations  
Included a customise voice recorded

**EXPANDIBLE:**  
With its accessories  
For a better protection  
Possible to install a GSM autodialing digital communicator  
Made in Italy

### THE ADVANTAGES FOR THOSE WHO CHOOSE QUALITY



Autonomy of 4 years in medium use conditions with low battery warning signal



Without power supply. The laying of electric cables or the intervention of specialized personnel is not necessary



A sophisticated radio communication protocol allows complete wireless operation



Voice function to personalize and identify each element of the system with your voice



Simple to install and program, the system is operational in no time



Possibility of interrogating/controlling the system via telephone (also manageable via SMS)

### KIT BASE EXPANDABLE

Model	Console	Control panel	Pocket transmitter	Magnetic switch	Motion detector	Code
ALARM SYSTEM KIT 01	1	1	-	-	2	RE 73000
ALARM SYSTEM KIT 02	1	-	1	2	-	RE 73001



Picture 1



Picture 2



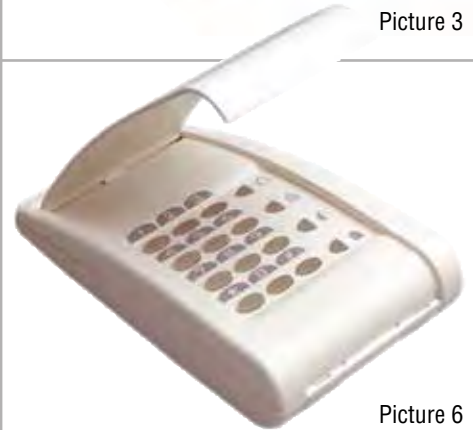
Picture 3



Picture 4



Picture 5



Picture 6



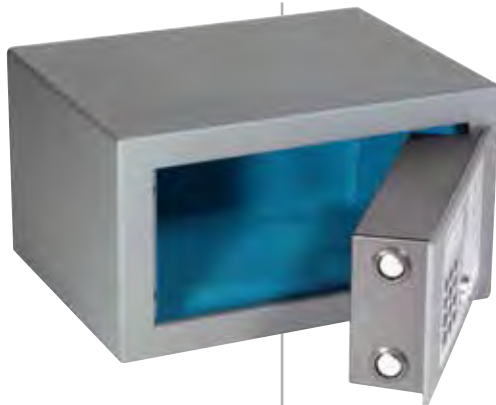
Picture 7



Picture 8

Model	Color	Voltage supply	Picture	Code
Motion sensor -waterproof	White	Lithium batteries	1	RE 73002
White magnetic switch -waterproof	White	Lithium batteries	2	RE 73003
Brown magnetic switch - waterproof	Brown	Lithium batteries	3	RE 73004
Magnetic switch for gangways , ladder, hatch - waterproof	White	Lithium batteries	4	RE 73005
4 Button bi-directional white remote control - waterproof	White	Lithium batteries	5	RE 73006
4 Button white remote control - waterproof	White	Lithium batteries	5	RE 73007
Bi-directional wireless keypad – 1 code - waterproof	White	Lithium batteries	6	RE 73008
Wireless keypad - 1 code - waterproof	White	Lithium batteries	6	RE 73009
Outdoor stainless steel siren	Inox	Lithium batteries	7	RE 73010
GSM autodialing digital communicator unit- wireless	White	Lithium batteries	8	RE 73011
GSM autodialing digital communicator unit- wired- 4 input	White	Lithium batteries	8	RE 73012

# STAINLESS STEEL SAFES



MODEL SAFE 10



MODEL SAFE 30



MODEL SAFE 30 INOX

## SAFES

Available in two version:

Steel painted with highly resistant grey coating

Stainless steel AISI 304

Three independent locking systems (code number, mechanical, electronic key)

Robust design. Plenty of space inside.

Model	Finish	Capacity	Dimensions	Weight	Code
SAFE 10	Painted	12 LT	170 x 300 x 231 mm	6 Kg	RE 73048
SAFE 30	Painted	33 LT	221 x 431 x 350 mm	12 Kg	RE 73049
SAFE 30 INOX	AISI 304	33 LT	220 x 430 x 350 mm	15 Kg	RE 73051





**TECMA**

**GIANNESCHI**  
purificatori e boiler

**aber**  
marine

**indel**  
**Webasto**  
Marine

**JABSCO**

**Quick**

**PLANUS**

- Refrigerators
- Freezer
- Cooling units
- Water heaters
- Toilets
- Sanisplits
- Bidet
- Macerators
- Waste tanks
- Faucets
- Showers
- Solenoid valves

# TELESCOPIC GANGWAYS



## EXO

Hydraulic gangway, telescopic with AISI 316 tubular steel structure at circular section. The stanchions that open out automatically are interchangeable, left/right. Footboards in Burma Teak. Hydraulic box with electrovalves. Polished structure. Control panel on the wall. Remote control included. Functions as a davit and can rotate for operations with the tender. For an easy installation, the piston can be mounted in eight different inclinations.



## EXO

Model	Length closing	Max extension	Power	Max capacity	Weight Kg	Code
EXO-20	1208 mm	2000 mm	12 V	200 Kg	60 Kg	RE 98001
EXO-23	1363 mm	2300 mm	12 V	200 Kg	64 Kg	RE 98002
EXO-27	1578 mm	2700 mm	12 V	200 Kg	71 Kg	RE 98003
EXO-30	1735 mm	3000 mm	12 V	150 Kg	75 Kg	RE 98004
EXO-20	1208 mm	2000 mm	24 V	200 Kg	60 Kg	RE 98005
EXO-23	1363 mm	2300 mm	24 V	200 Kg	64 Kg	RE 98006
EXO-27	1578 mm	2700 mm	24 V	200 Kg	71 Kg	RE 98007
EXO-30	1735 mm	3000 mm	24 V	150 Kg	75 Kg	RE 98008

Remote control

RE 98000



### ICE MAKER

In stainless steel  
Fully automatic (internal 4lt tank)  
It can be connected to an external supply for a better range  
Spray system for perfect ice cubes  
Cooling unit R404A (0.140 Kg)  
CE-IMQ Certifications

ICEDRINK WHITE LOW PROFILE



Model	Volume	Voltage	Absorption	Dimensions mm	Weight	Code
ICEDRINK CLEAR	4 lt	230 Vac	320 W	584x355x430	29 Kg	RE 88053
ICEDRINK WHITE/WHITE DOOR	12 lt	230 Vac	180 W	630x355x420	26 Kg	RE 88014
ICEDRINK WHITE INOX	12 lt	230 Vac	180 W	630x375x460	27 Kg	RE 88015
ICEDRINK WHITE LOW PROFILE	12 lt	230 Vac	180 W	475x370x630	26 Kg	RE 88017



### “DIVINO” WINE CELLAR

Resistant metal structure  
No need of ventilation grills  
Maximum capacity obtained by removing the wooden bars  
Double closing system  
Compressor CFC free  
Internal Light

Model	Supply range V	Bottles capacity N°	Wooden bars	Dimensions HxWxD mm	Weight Kg	Temperature	Code
WC 23	230	27	3	462 x 588 x 538	30,5	mono	RE 88006
WC 35	230	45	5	715 x 588 x 544	32,5	mono	RE 88008

# TRAVEL BOX REFRIGERATORS



TB 13

TB 18

## TRAVEL BOX REFRIGERATOR ISOTHERM

Isotherm travel boxes offer great capacities to store food and drinks on board. Their compact and light design helps to optimise space on board.

Model	Volume liter	Dimensions mm	Weight kg	Supply V	Consump. (24h)	Operating temperature °C	Energy class	Code
TB 13	13	360x225x535	8,5	12/24 Vdc	150	from +10 to -18	A+	RE 88022
TB 18	18	405x235x565	9	12/24 Vdc	150	from +10 to -18	A+++	RE 88023



BI 36

BI 30

BI 16

## BUILT IN FREEZER

The BI refrigerators models box equipped with the space saving Secop BD 1.4F Micro compressor solution. The upper lids with inner recess allows big bottle storage. Temperature range from 0°C to +10°C. They combines great usability to high development standards, thanks to they easy to use digital display and to a "splash proof" IPX5 front protection.

Model	Volume liter	Dimensions mm	Supply V	Consump. (24h)	Operating temperature °C	Code
BI16	16	557x384x240	12/24	155	from 0° to +10°	RE 88058
BI30	30	724x448x251	12/24	265	from 0° to +10°	RE 88059
BI36	36	685x438x240	12/24	290	from 0° to +10°	RE 88060

## BUILT IN REFRIGERATOR BI 29 DUAL

Indel Webasto Marine Built-In boxes allow an optimised use of space on board thanks to the top-loading access to the interior. They are extremely flexible in size and design.

Model	Voltage supply V	Internal volume lt	Dimensions (HxWxD) mm	Weight Kg	Operating temperature °C	Max energy consumption (24h)	Code
BI 29	12 - 24	29	370x342x505	18	from +10 to -12	250 W	RE 88029

## BUILT IN REFRIGERATOR BI 41 DUAL

Stainless steel inner liner, plastic bottom section  
One wire basket removable  
One insulation with rubber seal for the lid  
Fan cooled compressor mounting below  
Easily repositioned up to 1,5 m away

Model	Voltage supply V	Volume lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption (24h)	Code
BI - 41	12 - 24	41	610 x 497 x 342	19	+ 10° -10°	270 W	RE 88002

## BUILT IN REFRIGERATOR BI 40

Compact and efficient refrigerator  
Fan cooled side mounted compressor unit is easily repositioned up to 1,5 m away  
One insulation with rubber seal for the lid

Model	Voltage supply V	Volume lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption (24h)	Code
BI - 40	12 - 24	40	400 x 395 x 560	16	+10° - 2°	270 W	RE 88024

# BUILT IN REFRIGERATORS



### BUILT IN REFRIGERATOR BI 53 F

Internal coating in steel, bottom in plastic. Removable internal basket  
Compressor fixed inside the bottom of the structure  
Eventually removable up to 1,5 meters

Model	Voltage supply V	Internal volume lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
BI 53 F	12 - 24	53	630 x 425 x 645	26	0° - 20°	260 W	RE 88035



### BUILT IN REFRIGERATOR BI 75

Internal coating in steel, bottom in plastic. Two removable internal baskets  
Compressor fixed inside the bottom of the structure  
Eventually removable up to 1,5 meters

Model	Voltage supply V	Internal volume lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
BI 75	12 - 24	75	630 x 425 x 645	26	+15° - 20°	340 W	RE 88037



### BUILT IN REFRIGERATOR BI 92 DUAL

Internal coating in steel, bottom in plastic. Three removable internal baskets  
Compressor fixed inside the bottom of the structure  
Eventually removable up to 1,5 meters

Model	Voltage supply V	Internal volume lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
BI 92 DUAL	12 - 24	92	615 x 480 x 801	28	+10° - 20°	360 W	RE 88038



### BUILT IN REFRIGERATOR BI 172 DUAL

The Built-In 172 DUAL is a combined cooling solution 130 liter fridge & 38 liter freezer or 172 liter fridge only, capable to work on a multiple use base.

It is a fridge/freezer or a fridge only device to be nicely integrated into a furniture assembly.

The innovative concept at the base of the BI172 product development is modularity both in use and in application. It is possible to change the product's functions according to the customer needs, since it has been specified to cover all market/customer requirements.

Model	Voltage supply V	Internal volume lt	Dimensions (HxWxD) mm	Weight Kg	Max power consumption	Code
BI 172 DUAL	12/24 Vdc 220 Vac	172l only refrigerator 130l refrigerator + 38l freezer	840x1015x560	45	603 W	RE 88030



## CRUISE REFRIGERATORS

DESIGNED FOR NAUTICAL APPLICATION:

Operate noiselessly, be thoroughly reliable and consume a minimum battery power Grey door panels. Door with a safety lock and magnetic rubber seal.

Fan cooled 12/24 Volt danfoss compressor.

The compressor unit is easily removed and can be mounted in any vertical position up to 1,5 m.

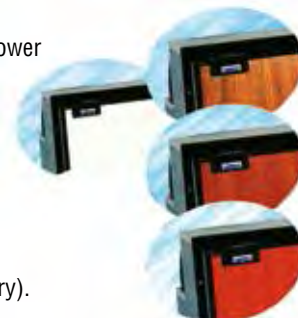
Provided with a manual thermostat.

Temperature is adjusted by a thermostat which also has an on- off switch.

System 12V: sensor turns off at 10V (it starts at 12V).

System 24V: sensor turns off at 21V (it starts at 24V).

Panel door: standard grey (on request is available white, teak, mahogany, cherry).



## DRAWER REFRIGERATOR CRUISE CLASSIC

Ideal for being installed in small places

Compressor can be moved up to 1 meters

Model	Voltage supply V	Total volume	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
Cruise 36	12 - 24	36 lt	-	250 x 440 x 715	16	+5° - 6°	300 W	RE 88001

Model	Voltage supply V	Total volume	Volume freezer	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
Cruise 42	12 - 24	42 lt	5 lt	525 x 380 x 515 <sub>(310)</sub>	16	+ 5° - 6°	2,7 A	RE 88003
Cruise 49	12 - 24	49 lt	5 lt	525 x 386 x 450	17	+ 5° - 6°	2,7 A	RE 88096
Cruise 65	12 - 24	65 lt	5 lt	530 x 450 x 480	18	+ 5° - 6°	2,7 A	RE 88097
Cruise 85	12 - 24	85 lt	8 lt	625 x 475 x 515	23	+ 5° - 6°	4 A	RE 88098

Model	Voltage supply V	Total volume	Volume freezer	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
Cruise 90	12 - 24	70 lt	20 lt	845 x 475 x 425	25	-	5 A	RE 88104
Cruise 100	12 - 24	100 lt	6 lt	745 x 485 x 455	26	+ 5° - 6°	4 A	RE 88099
Cruise 130	12 - 24	130 lt	8 lt	745 x 525 x 505	27	+ 5° - 6°	5 A	RE 88100

## REFRIGERATOR/FREEZER CRUISE SILVER COMBI

Refrigerator and Freezer combo, with independent doors

Internal light

Model	Voltage supply V	Total volume	Volume freezer	Dimensions (HxWxD) mm	Weight Kg	Temperature °C	Max power consumption	Code
Cruise 155	12 - 24	110 lt	45 lt	1220 x 480 x 460	37	-18°	512 W	RE 88105
Cruise 195	12 - 24	130 lt	65 lt	1345 x 545 x 580	60	-18°	6,2 A	RE 88106
Cruise 225	12 - 24	183 lt	42 lt	1545 x 595 x 560	44	-18°	6 A	RE 88107
Cruise 260	12 - 24	238 lt	42 lt	1700 x 566 x 491	50	-18°	620 W	RE 88108

## STAINLESS STEEL REFRIGERATORS

DESIGNED FOR NAUTICAL APPLICATION: Operate noiselessly, consume a minimum battery power  
Stainless steel door totally flush with an integrated door latch  
In the front and also interior details have stainless steel trims



## CRUISE 36 STEEL REFRIGERATORS

Same as CR36 but in Stainless Steel  
Ideal solution when small spaces are available  
Compressor can be moved up to 1 m

Model	Voltage supply V	Volume total lt	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Temp. °C	Max power consump.	Code
Cruise 36 Steel	12 - 24	36	-	250x455x715	16	+5° - 6°	2,7 A	RE 88010
Cruise 130 Drink	12 - 24	130	-	560x545x750	28	+5° - 6°	400 W (24h)	RE 88061
Cruise 160 Drink	12 - 24	160	-	610x626x870	40	+5° - 6°	512 W (24h)	RE 88062



## STAINLESS STEEL REFRIGERATORS COMBI

Double door. Refrigerator + Freezer

Model	Voltage supply V	Volume total lt	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Temp. °C	Max power consump.	Code
Cruise 195 Steel	12 - 24	130	65	1345x545x580	51	+5° - 18°	6 A	RE 88051
Cruise 200 Steel	12 - 24	150	50	868x730x690	53	-21°	6 A	RE 88054
Cruise 220 Steel	12 - 24	130	90	1545x545x560	59	-	6 A	RE 88032
Cruise 260 Steel	12 - 24	130	130	1545x545x560	64	-	6 A	RE 88033
Cruise 320 Steel	12 - 24	160	160	1790x628x610	85	-	6 A	RE 88034



## STAINLESS STEEL REFRIGERATORS CLEAN TOUCH

Model	Voltage supply V	Volume total lt	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Temp. °C	Max power consump.	Code
Cruise 42 Steel	12 - 24	37	5	530x400x515 (350)	15	-	2,7A	RE 88012
Cruise 49 Steel	12 - 24	49	5	520x400x510	18	+5° - 6°	2,7 A	RE 88004
Cruise 65 Steel	12 - 24	65	5	530x470x540	21	+5° - 6°	2,5 A	RE 88019
Cruise 85 Steel	12 - 24	85	8	625x495x555	24	+5° - 6°	4 A	RE 88005
Cruise 130 Steel	12 - 24	130	8	743x545x545	27	+5° - 6°	5 A	RE 88007



DR 85

## STAINLESS STEEL DRAWER REFRIGERATOR

DESIGNED FOR NAUTICAL APPLICATION  
New design: space saving and front opened. Available in stainless steel front panel  
The DR 190 INOX is divided into 2 drawers

Model	Voltage supply V	Volume total lt	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Temp. °C	Max power consump.	Code
DR 49 Steel Clean Touch	12 - 24	41	8	520x405x510	24	-	5 A	RE 88020
DR 65 Steel Clean Touch	12 - 24	54	11	526x470x545	28	+5°	5 A	RE 88092
DR 85 Steel	12 - 24	68	17	625x495x545	32	+5°	370 W	RE 88045
DR 105 Steel	12 - 24	105	-	520x520x770 (600)	33	+5°	5 A	RE 88026
DR 130 Steel	12 - 24	114	16	745x545x545	35	+5°	429 W	RE 88046
DR 190 Steel	12 - 24	190	-	800 x 900 x 545	44	+5°	5 A	RE 88095

# REFRIGERATOR UNITS



## STAINLESS STEEL FREEZER CRUISER

INTERIOR WITH 4 DRAWERS.

The door is flush with a fixing flange and closure is guaranteed by an integrated snap lock. Extra insulation for excellent cooling performance and low energy consumption.

Model	Voltage supply V	Total volume lt	Volume freezer lt	Dimensions (HxWxD) mm	Weight Kg	Operating temperature	Max power consump.	Code
CRUISE 63 F Stainless steel	12-24	63	63	620x495x555	23	+5°-18°	2,7 A	RE 88091
CRUISE 63 Classic	12-24	63	63	620x477x515	22	+5°-18°	2,7A	RE 88047
CRUISE 65 F Stainless steel	12-24	65	-	610x545x580	23	-21°	5 A	RE 88109
CRUISE 65 Classic	12-24	65	65	610x527x540	22	+5°-18°	5 A	RE 88048
CRUISE 90 F Stainless steel	12-24	90	90	745x525x505	29	+5°-18°	2,7 A	RE 88025
CRUISE 90 Classic Clean Touch	12-24	90	90	746x527x520	27	+5°-18°	2,7A	RE 88049

## WATER COOLING UNIT



### OVAL SHAPE EVAPORATOR

Model	Max Volume fridge/freezer lt	Evaporator dimensions mm	Compressor dimensions mm	Compressor type	Code
2505	20/66	380 x 140 x 270	440 x 220 x 175	BD50F	RE 88055

### FLAT SHAPE EVAPORATOR

Model	Max Volume fridge/freezer lt	Evaporator dimensions mm	Compressor dimensions mm	Compressor type	Code
2511	170/56	815 x 210	440 x 220 x 175	BD50F	RE 88056
2512	200/66	1200 x 190	440 x 220 x 175	-	RE 88057



## AIR COOLING UNIT

### REFRIGERATOR UNITS (OVAL EVAPORATOR)

DANFOSS COMPRESSOR. Absorption compressor: 0.6-2.7A(0.7-4A)

Compact unit regulated of a traditional thermostat

Fan cooled compressor unit designed for simple installation in existing top or side-loaded refrigerator boxes

Model	Volume max lt	Type evaporator	Dimensions evaporator mm	Dimensions compressor mm	Type compressor	Code
GE 80	80/25	Flat	350 x 250	270 x 160 x 155	BD35F	RE 88009
GE 150	150/50	Flat	387 x 361	270 x 160 x 155	BD35F	RE 88013

### REFRIGERATOR UNITS (OVAL EVAPORATOR)

DANFOSS COMPRESSOR

Absorption compressor: (small oval 06-2.7A); (medium oval 07-4A); (big oval 0.9-5.2A)

Compact unit regulated of a traditional thermostat

Fan cooled compressor unit designed for simple installation in existing top or side-loaded refrigerator boxes

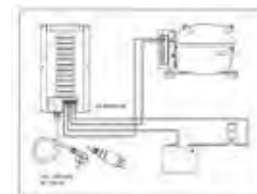
Model	Volume max lt	Type evaporator	Dimensions evaporator mm	Dimensions compressor mm	Type compressor	Code
2001	125/41	Small oval	240 x 85 x 210	270 x 160 x 155	BD35F	RE 88011
2301	150/50	Medium oval	320 x 100 x 230	270 x 160 x 155	BD35F	RE 88027
2501	200/65	Large oval	380 x 140 x 270	315 x 160 x 155	BD50F	RE 88028

### POWER PACK CONVERTER

Necessary to supply the refrigerator with AC current

Voltage supply:115/230Vac

Able to 12/24V DC bank battery



Input voltage AC	Frequency Hz	Input voltage DC	Output voltage DC	Power W	Power A	Dimensions mm	Code
115/230 Vac	47 - 63	12 - 24 V	25,5 V	100	4,2	250 x 130 x 43	RE 88016/24

### DANFOSS JUNCTION BOX

Easy to replace.

Voltage supply:12/24Vdc.

RE 88018

### COOLED UNITS ITC DISPLAY MONITOR

The ITC Digital Display can clearly display, control and regulate the temperature in a refrigerated compartment from the exterior of a fridge/freezer cabinet. It is dedicated to people who desire a nice-looking interface, a refined product interaction and to reduce on board power consumption. Remote product interaction is extremely easy and accurate since data readings appear on the display, like temperature set or detected selection of energy saving operations, choice of 3 battery protection levels and compressor's operation mode settings, (ITC, Eco and Overcooling mode). Product integration is simple, since the device is fully compatible with the control unit IWM P/N SEG00002DA (Secop version 101N0212 for BD35/50F), allowing recess flush or wall mounted installation. RE 88050

### INSULATED PANELS

Flat pack set of ready-cut insulated panels

The panels are covered on both sides with 3/32" plastic laminate of foodstuff quality. They have 46mm thick closed cell foam insulation in between. Easy to cut and glue together using a polyurethane sealant or mould resistant silicone resulting in joints. Cover strips for the edges of the lid are included



3 insulation panels measuring 978 x 479 x 50 mm each

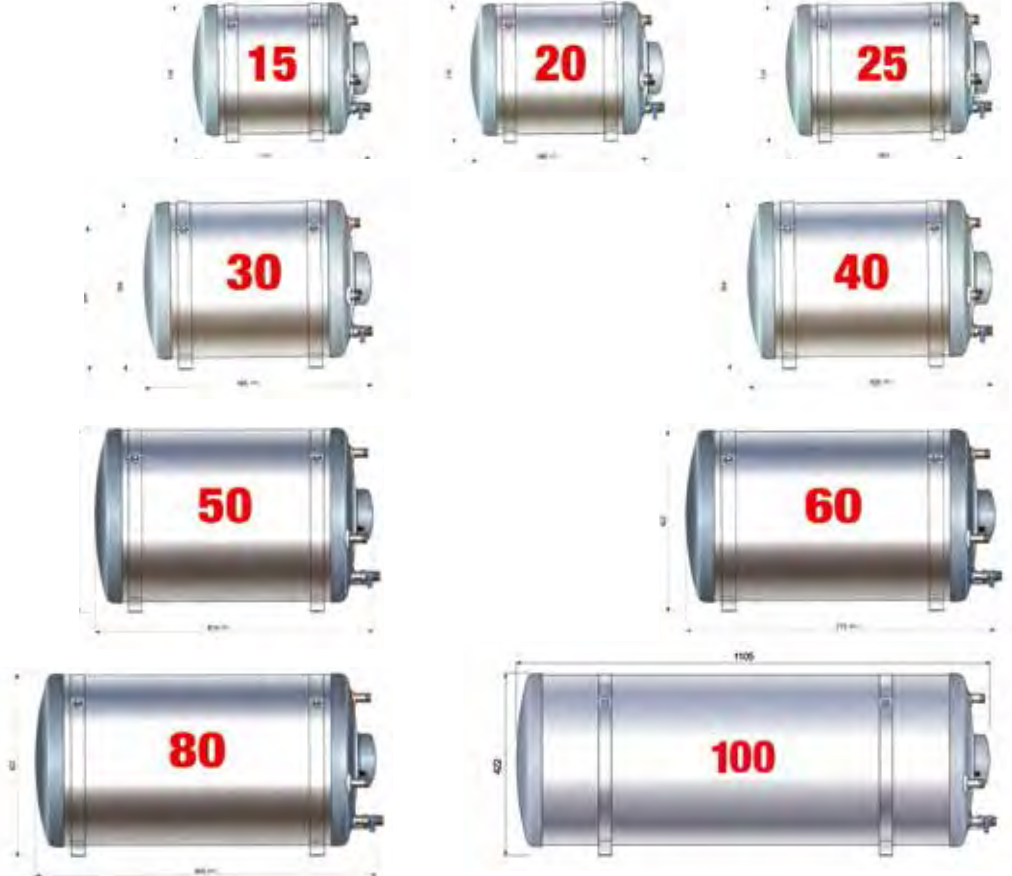
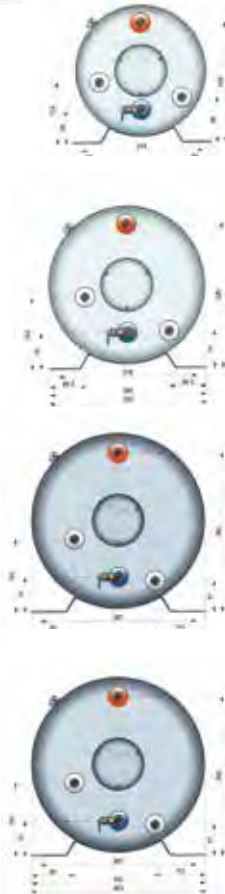
RE 88021

# STAINLESS STEEL BOILERS



## NAUTIC BOILER BX

The tank is made of 1,5 mm gauge 316 Aisi stainless steel. Casing in 304 Aisi stainless steel. The electrical heating element is made of incoloy steel 220V or 115V (on request). Resistant to galvanic corrosion. Heat exchanger with wide exchange surface. The thermal insulation is high density polyurethane foam. Provided with relief/non return valve. **INSTALLATION:** Vertical or horizontal.



## NAUTIC BOILER BX (CASING STAINLESS)

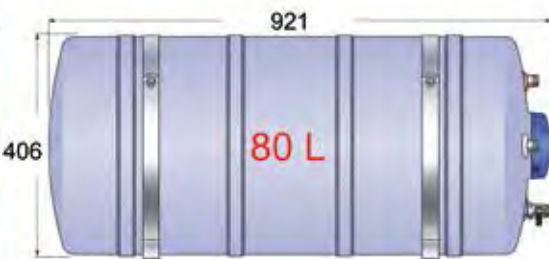
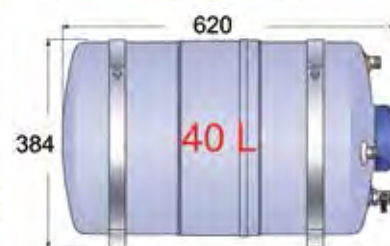
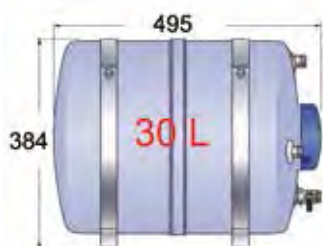
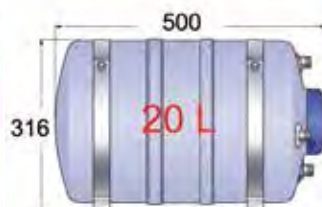
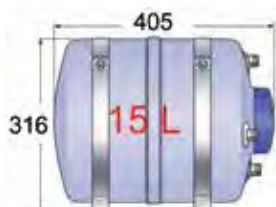
Tank capacity lt	Tank capacity gal.	Electric element voltage	Electric element power	Exchanger	Tank pressure (test)	Max power	Outputs diameter	Dimensions mm	Weight Kg	Code
15	3,9	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 405	9,5	RE 88070
20	5,3	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 500	10,9	RE 88071
25	6,6	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 605	12,3	RE 88072
30	7,9	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 360 x 495	12,6	RE 88074
40	10,5	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 360 x 620	14,7	RE 88075
50	13,2	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 610	17,0	RE 88077
60	15,8	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 715	19,0	RE 88078
80	21,1	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 905	22,7	RE 88079
100	26,4	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 1105	26,4	RE 88081



## NAUTIC BOILER B3 (CASING IN COMPOSITE MATERIAL)

The special composite material of the coating guarantees high-resistance to impact and marine corrosion and it allows a high anageability during installation.

The tank is made of 1,5 mm gauge 316 Aisi stainless steel. The electrical heating element is made of incoloy steel resistant to galvanic corrosion. Heat exchanger with wide exchange surface.



Tank capacity lt	Tank capacity gal.	Electric element voltage	Electric element power	Exchanger	Tank pressure (test)	Max power	Outputs diameter	Dimensions mm	Weight Kg	Code
15	3,9	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 405	7	RE 88085
20	5,3	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 500	8,1	RE 88086
25	6,6	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 300 x 605	8,5	RE 88087
30	7,9	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 360 x 495	10,5	RE 88088
40	10,5	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 360 x 620	11,7	RE 88089
60	15,8	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 721	14,6	RE 88093
80	21,1	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	Ø 400 x 921	17,8	RE 88094



## BOILER ABER MARINE

The new Aber Marine water heaters are made of AISI 316 stainless steel, is thermally insulated with high-density polyurethane foam, and protected by a case with integrated mounting brackets. There are two models: the first is lined with shock-proof plastic, the second are equipped with an AISI 316 stainless steel central section. Aber Marine water heaters guarantee high resistance and durability, as they are made with quality materials, suitable for the marine environment.

### STANDARD VERSION



Capacity Vac lt	Capacity Vac gallons	Voltage element V	Power W	Dimensions mm	Weight kg	Code
20	5,3	220	1200	366x430x358	7	RE 88124
22	5,8	220	1200	287x558x297	8	RE 88125
30	7,9	220	1200	366x540x358	9	RE 88126
40	10,5	220	1200	366x660x358	11	RE 88127

### STAINLESS STEEL VERSION

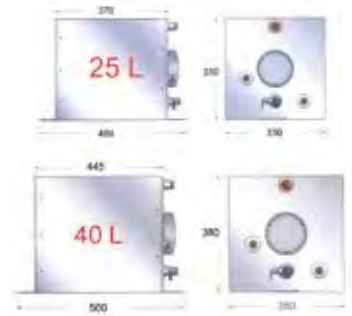


Capacity Vac lt	Capacity Vac gallons	Voltage element V	Power W	Dimensions mm	Weight kg	Code
30	7,9	220	1200	366x540x358	9,5	RE 88120
40	10,5	220	1200	366x660x358	11,5	RE 88121
60	15,8	220	1200	366x875x358	15	RE 88122
80	21,1	220	1200	417x955x410	22	RE 88123



### NAUTIC BOILER BXS (SQUARE)

Made entirely in stainless steel.  
 Tank in 316 Aisi stainless steel, casing in 304 Aisi stainless steel.  
 Square-shape design for particularly easy installation.  
 The thermal insulation is high density polyurethane foam.  
 The electrical heating element is made of incoloy with adjustable safety thermostat. Heat exchanger with wide exchange surface.  
 Provided with relief/non return valve that allows discharging of the water in case of disuse.  
 Included adjustable safety thermostat.

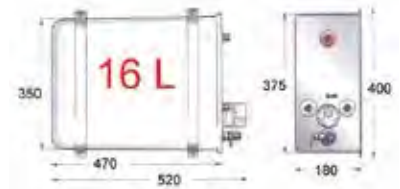


Tank capacity	Tank capacity gal	Electric element voltage	Electric element power	Exchanger	Tank pressure (test)	Max power	Outputs diameter	Dimensions	Weight Kg	Code
25 lt	6,6	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	330x330x480	13,5	RE 88068
40 lt	10,56	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	380x380x560	17	RE 88069



### RECTANGULAR NAUTIC BOILER BX

PLACEMENT ANYWHERE  
 Two model: with or without heat exchanger  
 Compact dimensions and tank in 316 stainless steel  
 Easy to install and highly functional  
 On request it is available with the heat exchanger only (without electric element)  
 Included adjustable safety thermostat



Tank capacity	Tank capacity gal	Electric element voltage	Electric element power	Exchanger	Tank pressure (test)	Max power	Outputs diameter	Dimensions mm	Weight Kg	Code
16 lt	4,22	220 V	1200 W	Yes	8 bar	6 bar	Ø 1/2"	520x350x180	10,5	RE 88031



### THERMOSTAT

Special adjustable safety thermostat with hand-rearmament  
 Setting with a 60° temperature  
 Possible to adjustable from 40° to 80° C



Thermostat

RE 88084



### ELECTRIC ELEMENTS

The flange have a 1/4" thread  
 Made of incoloy steel  
 Resistant to corrosive agent



Electric element for stainless steel (220V-1200W)  
 Electric element for stainless steel (115V-1200W)

RE 88082  
 RE 88083



### WATER MIXING VALVE KIT

It recommend installed in all boiler  
 Advantages: it increases the autonomy of the water heater  
 It avoids accidental burn, so children are safe  
 Hot water pipes cannot be broken



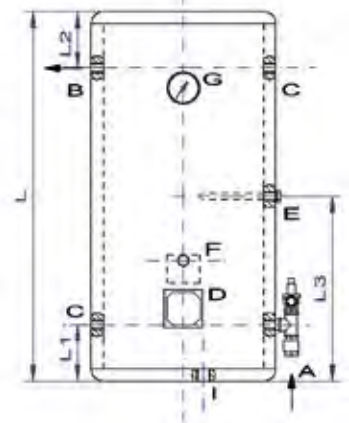
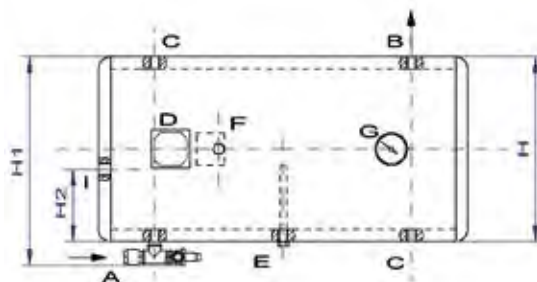
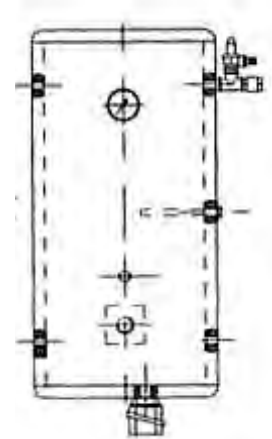
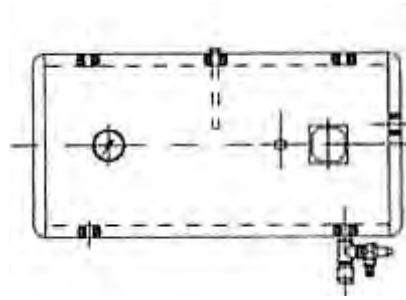
Kit includes: thermostatic mixer, T junction, nipples, flexible connection.  
 Ready to be installed on each water heater by Quick.

RE 88080

# STAINLESS STEEL BOILERS

## BOILER GIANNESCHI

Boiler in AISI 316 stainless steel  
 Insulation: mineral wool  
 Supply with resistance with safety thermostat  
 Available in horizontal or vertical version,  
 Or with 5 Kw resistance (on request)  
 Non return valve install on cold water entry



Model	Capacity Vac	Voltage element	Power	Orientation	Case	Tank	Dimensions mm	Weight	Code
25B100	100 lt	230 V	1,5 Kw	Vertical/horizontal	AISI 304	AISI 316	Ø 460 x 920	46 Kg	RE 88110
25B100T	100 lt	230/400 V	3 Kw	Vertical/horizontal	AISI 304	AISI 316	Ø 460 x 920	46 Kg	RE 88111
25B120	120 lt	230 V	1,5 Kw	Vertical/horizontal	AISI 304	AISI 316	Ø 460 x 1120	68 Kg	RE 88112
25B120T	120 lt	230/400 V	3 Kw	Vertical/horizontal	AISI 304	AISI 316	Ø 460 x 1120	68 Kg	RE 88113
03BOL150OR	150 lt	230/400 V	3 + 3 Kw	Horizontal	AISI 304	AISI 316	Ø 510 x 1000	46 Kg	RE 88114
03BOL200VE	200 lt	230/400 V	3 + 3 Kw	Vertical	AISI 304	AISI 316	Ø 510 x 1200	68 Kg	RE 88115



**NANO**

Extra low profile marine toilet:

- Quiet and fast flush cycle.
- Self contained and easy to install.
- No need of replacing seals or gaskets.
- Low water and electricity consumption.
- Super powerful macerator turbine technology (MAC4).



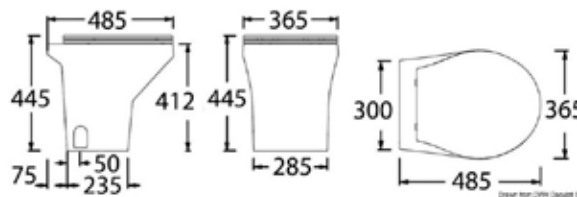
Voltage	Type Macerator	Water consumption	Ø Diameter drain pipe	Dimensions mm	Weight Kg	Code
12 V	Mac 4	0,5/2 lt	38,5 mm	295x370x446	12,6	RE 86232
24 V	Mac 4	0,5/2 lt	38,5 mm	295x370x446	12,6	RE 86233



**COMPASS**

The narrow footprint and smart back of the Compass toilet gives maximum space and maximum flexibility wherever it is installed on board.

- Quiet and fast flush cycle.
- Self contained and easy to install.
- No need of replacing seals or gaskets.
- Low water and electricity consumption.
- Both Compass High and Short version are equipped with an innovative soft closing system
- Super powerful macerator turbine technology.

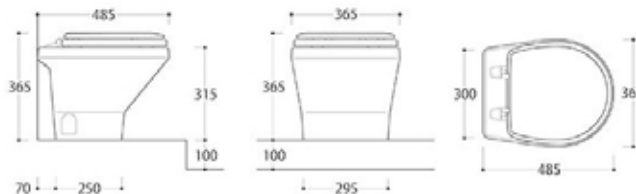


**COMPASS STANDARD**

Voltage	Type Macerator	Water consumption	Ø Diameter drain pipe	Dimensions mm	Weight Kg	Code
12 V	Mac 4	0,5/2 lt	38,5 mm	445x365x485	21,5	RE 86234
24 V	Mac 4	0,5/2 lt	38,5 mm	445x365x485	21,5	RE 86235



**COMPASS SHORT**

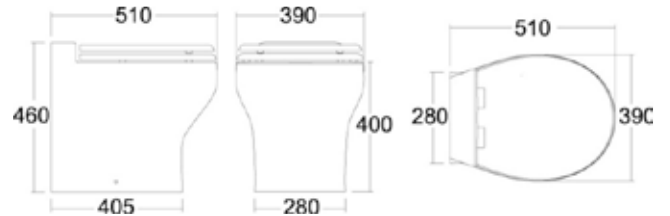


Voltage	Type Macerator	Water consumption	Ø Diameter drain pipe	Dimensions mm	Weight Kg	Code
12 V	Mac 4	0,5/2 lt	38,5 mm	365x365x485	19,5	RE 86236
24 V	Mac 4	0,5/2 lt	38,5 mm	365x365x485	19,5	RE 86237



**SILENCE PLUS 2G**

W.C. electric SINGLE system (pump) or CENTRALIZED (electrovalve).  
 Absolute silent operation (special patented macerator).  
 Completely automatic washing cycle,  
 control panel with 2 switches  
 • Integrated air admittance valve  
 • Easy to install



Supply V	System	Absorption	Consumption	Ø Drain pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	0,5 - 2,7 lt	40	280x405	510x390x460	RE 86238
24	Single	1,8	0,5 - 2,7 lt	40	280x405	510x390x460	RE 86239
12	Centralized	6,6	0,5 - 2,7 lt	40	280x405	510x390x460	RE 86238/C
24	Centralized	3,3	0,5 - 2,7 lt	40	280x405	510x390x460	RE 86239/C

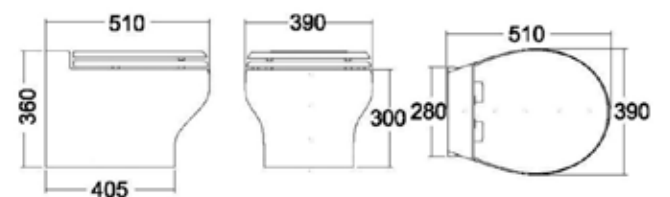
**BIDET SILENCE PLUS**

Dimensions 510x390x400 mm  
 Base 280x390 mm  
 Weight 16 Kg

RE 86240

**SILENCE PLUS 2G SHORT**

W.C. electric SINGLE system (pump) or CENTRALIZED (electrovalve).  
 Absolute silent operation (special patented macerator).  
 Completely automatic washing cycle,  
 control panel with 2 switches  
 • Integrated air admittance valve  
 • Easy to install



Supply V	System	Absorption	Consumption	Ø Drain pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	0,5 - 2,7 lt	40	280x405	510x360x405	RE 86241
24	Single	1,8	0,5 - 2,7 lt	40	280x405	510x360x405	RE 86242
12	Centralized	6,6	0,5 - 2,7 lt	40	280x405	510x360x405	RE 86241/C
24	Centralized	3,3	0,5 - 2,7 lt	40	280x405	510x360x405	RE 86242/C

**BIDET SILENCE PLUS SHORT**

Dimensions 510x390x300 mm  
 Base 280x390 mm  
 Weight 14 Kg

RE 86243





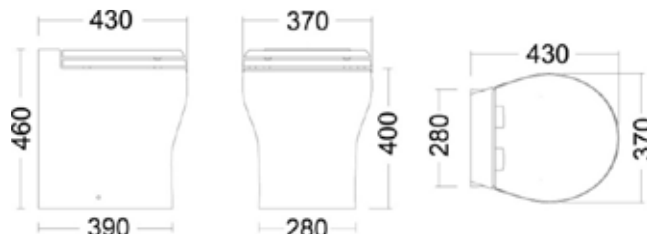


### ELEGANCE 2G

W.C. electric SINGLE system (pump) or CENTRALIZED (electrovalve).  
Absolute silent operation (special patented macerator).

Completely automatic washing cycle,  
control panel with 2 switches

- Integrated air admittance valve
- Easy to install



Supply V	System	Absorption	Consumption	Ø Drain pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	0,5 - 2,7 lt	40	285x380	430x370x460	RE 86244
24	Single	1,8	0,5 - 2,7 lt	40	285x380	430x370x460	RE 86245
12	Centralized	6,6	0,5 - 2,7 lt	40	285x380	430x370x460	RE 86244/C
24	Centralized	3,3	0,5 - 2,7 lt	40	285x380	430x370x460	RE 86245/C

### BIDET ELEGANCE

RE 86246

Dimensions 430x370x400 mm  
Base 280x370 mm  
Weight 13 Kg

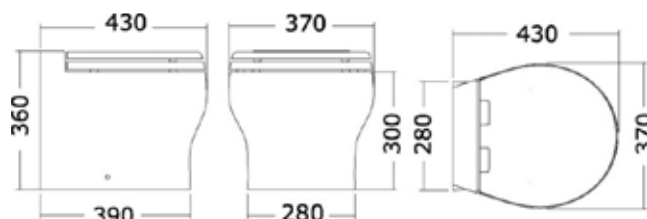


### ELEGANCE 2G SHORT

W.C. electric SINGLE system (pump) or CENTRALIZED (electrovalve).  
Absolute silent operation (special patented macerator).

Completely automatic washing cycle,  
control panel with 2 switches

- Integrated air admittance valve
- Easy to install



Supply V	System	Absorption	Consumption	Ø Drain pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	0,5 - 2,7 lt	40	280x370	430x370x360	RE 86247
24	Single	1,8	0,5 - 2,7 lt	40	280x370	430x370x360	RE 86248
12	Centralized	6,6	0,5 - 2,7 lt	40	280x370	430x370x360	RE 86247/C
24	Centralized	3,3	0,5 - 2,7 lt	40	280x370	430x370x360	RE 86248/C

### BIDET ELEGANCE SHORT

RE 86249

Dimensions 430x370x300 mm  
Base 280x370 mm  
Weight 11 Kg



All control panels have a tank monitoring led and water amount trim.

**ALL IN ONE SFT.** The All-in-one control panel has a controller directly integrated in the wall interface with the option of automatic bowl refill (single button) or the common double function before/after use.

### PANEL WITH 1 BUTTON

The drain is activated by the “after use” button. After every flush the toilet bowl is automatically refilled with a certain quantity of water, ready for next use.

RE 86258



### PANEL WITH 2 BUTTON

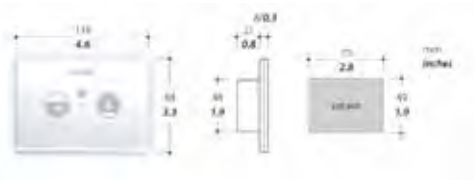
The drain is activated by 2 buttons “Before use” and “After use” and sailing mode. After every flush the toilet bowl remains empty for navigation.

RE 86259



### SFT TOUCH MULTIFUNCTION PANEL

Ultimate touch control panel made of hi-tech tempered glass and LED back lighting with Smart Flush Technology: mooring and sailing mode, water amount trim, overflow protection and tank monitoring.

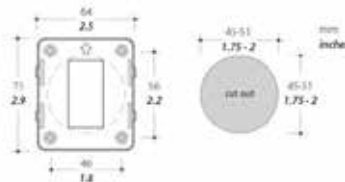


RE 86292



### ECO ROCKER SWITCH

Easy to use, sturdy and durable manual activation switch. Reduced consumption of water and energy. To be used with compact series.



RE 86293

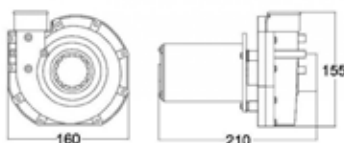


### MACERATOR

- Easier waste transfer and no clogging as the cutting blades emulsify all waste
- Macerator chamber before the impeller for optimal grinding
- Silent in operation • Integrated in the ceramic toilet.

#### MAC MODEL 4

Supply	Absorption	Prevalence	Flow	Code
12 Vdc	30 A	4 M	130 lt/h	RE 86294
24 Vdc	20 A	4,5 M	140 lt/h	RE 86295

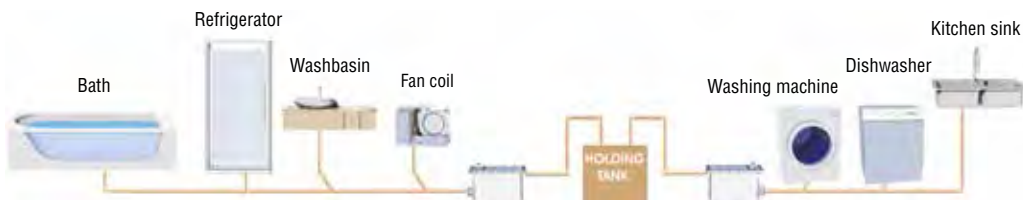


#### MAC MODEL 11

Supply	Absorption	Prevalence	Flow	Code
12 Vdc	30 A	4 M	130 lt/min.	RE 86296
24 Vdc	20 A	4,5 M	140 lt/min.	RE 86297
230 Vdc	5 A	11 M	270 lt/min.	RE 86298

# GRAY WATER TRANSFER SYSTEMS

With a grey water system you create more flexibility and convenience on board. It allows you to install more sanitary appliances like a washbasin, a bidet, a shower, a dishwasher, a washing machine, on board. The grey water system grinds and pumps it to the collection tank.



## SANISPLIT NK ABOVE SEALEVEL

Patented split system • Efficient strong macerating pump • Silent operation: the silent pump operation combined with the internal rubber tank reduce the sound level • Easy to service: the removable part of the Sanisplit, containing the pump and the pressure switch, can be rapidly disengaged from the fixed parts.



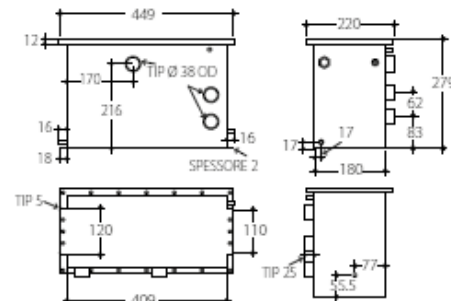
Voltage supply	Abs A	Ø internal pipe inlet	Capacity (lt/min)	Protection class	Max elev head (mt)	Dimensions mm	Weight Kg	Code
12	40	40	270	IP 67	11	470x175x270	8	RE 86084
24	30	40	270	IP 67	11	470x175x270	8	RE 86085
230	5	40	270	IP 67	11	470x175x270	8	RE 86086



## SANISPLIT NKS BELOW SEALEVEL

Stainless steel submersible Sanisplit

- Submersible waterproof system: Fully IP67 certified
- Stainless steel housing
- Proven macerator technology of Sanisplit NK
- Silent operation: The silent pump operation combined with the internal rubber tank reduce the sound level
- Easy to service: Once detached any service operation is easily possible without disconnecting the hoses

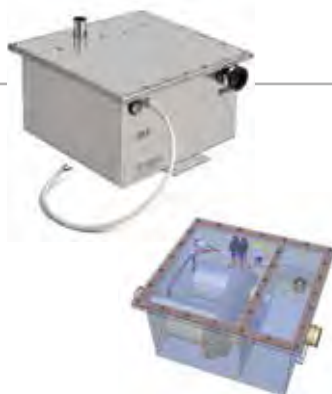


Voltage supply	Abs A	Ø internal pipe inlet	Capacity (lt/min)	Protection class	Max elev head (mt)	Dimensions mm	Weight Kg	Code
12	40	40	2770	IP 67	10	449x220x279h	13,7	RE 86226
24	30	40	2770	IP 67	10	449x220x279h	13,7	RE 86227
230	5	40	2770	IP 67	10	449x220x279h	13,7	RE 86228



## TWIN FOR PARTICULARLY SEVERE USE

Voltage supply	Abs A	Ø internal pipe inlet	Capacity (lt/min)	Protection class	Max elev head (mt)	Dimensions mm	Weight Kg	Code
12	40	40	554	IP 67	11	340x350x245	24	RE 86229
24	25	40	554	IP 67	11	340x350x245	24	RE 86230
230	3	40	554	IP 67	11	340x350x245	24	RE 86231

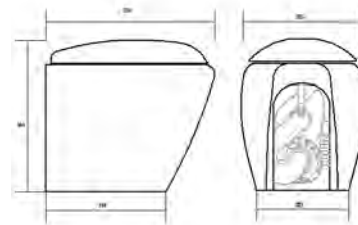


# VISION-IMPACT TOILETS



### VISION

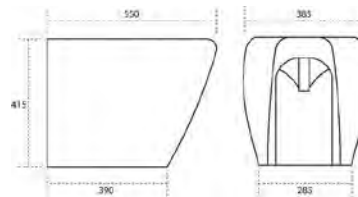
Can be installed with a single system (with inlet pump) or centralized system (with electrovalve)  
Complete noiselessness of operation (special patented turbine pump)  
Completely automatic washing cycle, control panel with 2 switches  
Predisposed to discharge in holding tank  
White porcelain bowl, seat and cover of wood/polished polyester



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	285x390	550x385x460	RE 86164
24	Single	1,8	25	20	285x390	550x385x460	RE 86165
12	Centralized	6,6	40	20	285x390	550x385x460	RE 86166
24	Centralized	3,3	25	20	285x390	550x385x460	RE 86167
230	Centralized	0,4	3	20	285x390	550x385x460	RE 86178

### BIDET VISION

Dimensions 550x385x415 mm  
Base 285x390 mm

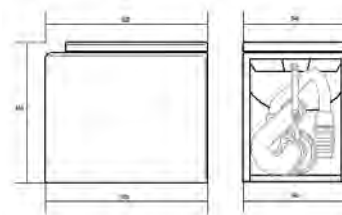


RE 86215



### IMPACT

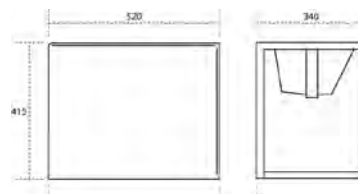
Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Complete noiselessness of operation (special patented turbine pump).  
Completely automatic washing cycle, control panel with 2 switches.  
Predisposed to discharge in holding tank.  
White porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	340x520	520x450	RE 86200
24	Single	1,8	25	20	340x520	520x450	RE 86201
12	Centralized	6,6	40	20	340x520	520x450	RE 86202
24	Centralized	3,3	25	20	340x520	520x450	RE 86203
230	Centralized	0,4	3	20	340x520	520x450	RE 86204

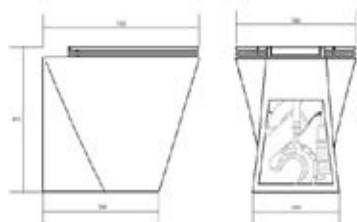
### BIDET IMPACT

Dimensions 520x340x415 mm  
Base 340x520 mm



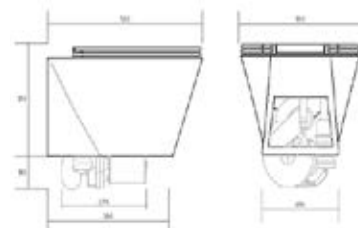
RE 86216

# RACE-SKY TOILETS



### RACE

Created high performances sailing boats  
Created for regatta sailing boat. Can be installed with a single system (with inlet pump) or centralized system (with electrovalve)  
Absolute noiselessness of operation (special patented turbine pump)  
Completely automatic washing cycle, control panel with 2 switches  
Predisposed to discharge in holding tank



### RACE

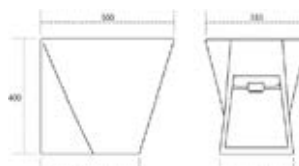
Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	285x380	500x380x450	RE 86082
24	Single	1,8	25	20	285x380	500x380x450	RE 86083
12	Centralized	6,6	40	20	285x380	500x380x450	RE 86082/C
24	Centralized	3,3	25	20	285x380	500x380x450	RE 86083/C

### RACE SHORT

Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	285x380	500x380x450	RE 86205
24	Single	1,8	25	20	285x380	500x380x450	RE 86206
12	Centralized	6,6	40	20	285x380	500x380x450	RE 86207
24	Centralized	3,3	25	20	285x380	500x380x450	RE 86208

### BIDET RACE

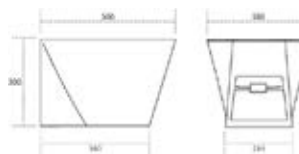
Dimensions 500x380x400 mm  
Base 285x380 mm



RE 86218

### BIDET RACE SHORT

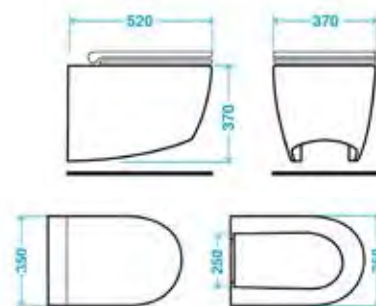
Dimensions 500x380x300 mm  
Base 285x380 mm



RE 86219

### SKY

Wall mounted  
Complete noiselessness of operation (special patented turbine pump)  
Completely automatic washing cycle, control panel with 2 switches  
Predisposed to discharge in holding tank  
White porcelain bowl, seat and cover of wood/polished polyester



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	280x400	530x380	RE 86080
24	Single	1,8	25	20	280x400	530x380	RE 86081
12	Centralized	6,6	40	20	280x400	530x380	RE 86080/C
24	Centralized	3,3	25	20	280x400	530x380	RE 86081/C

### BIDET SKY

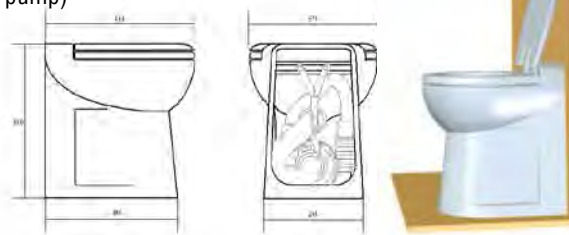
Dimensions 560x380x400 mm  
Base 280x400 mm

RE 86217



### ARTIC STANDARD

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve)  
 Complete noiselessness of operation (special patented turbine pump)  
 Completely automatic washing cycle, control panel with 2 switches  
 Predisposed to discharge in holding tank  
 White porcelain bowl, seat and cover of wood/polished polyester.



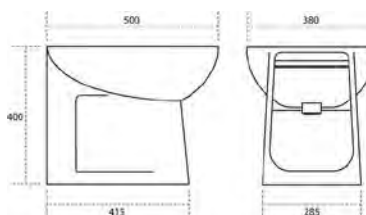
Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	285x380	430x370x460	RE 86076
24	Single	1,8	25	20	285x380	430x370x460	RE 86077
12	Centralized	6,6	40	20	285x380	430x370x460	RE 86076/C
24	Centralized	3,3	25	20	285x380	430x370x460	RE 86077/C
230	Centralized	0,4	3	20	285x380	430x370x460	RE 86209

Optional: Kit bidet 12V (to add at the moment of the order)  
 Optional: Kit bidet 24V (to add at the moment of the order)

RE 86040  
 RE 86041

### BIDET ARTIC PLUS

Dimensions 500x380x400 mm  
 Base 285x415 mm



RE 86220



### ARTIC SHORT

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Complete noiselessness of operation (special patented turbine pump)  
 Completely automatic washing cycle, control panel with 2 switches  
 Predisposed to discharge in holding tank  
 White porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	40	20	285x380	430x370x360	RE 86078
24	Single	1,8	25	20	285x380	430x370x360	RE 86079
12	Centralized	6,6	40	20	285x380	430x370x360	RE 86078/C
24	Centralized	3,3	25	20	285x380	430x370x360	RE 86079/C
230	Centralized	0,4	3	20	285x380	430x370x360	RE 86210

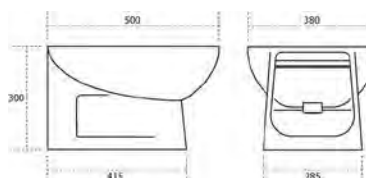
SHORT VERSION: Are manufactured to allow the installation on a step

Optional: Kit bidet 12V (to add at the moment of the order)  
 Optional: Kit bidet 24V (to add at the moment of the order)

RE 86040  
 RE 86041

### BIDET ARTIC PLUS SHORT

Dimensions 500x380x300 mm  
 Base 285x415 mm



RE 86221



### MATCH SHORT

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Complete noiselessness of operation (special patented turbine pump) Completely automatic washing cycle, control panel with 2 switches  
Predisposed to discharge in holding tank  
Oblique white porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption Inlet pump	Absorption Outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	35	40	375x330	480x375x350	RE 86170
24	Single	1,8	25	40	375x330	480x375x350	RE 86171
12	Centralized	6,6	35	40	375x330	480x375x350	RE 86170/C
24	Centralized	3,3	25	40	375x330	480x375x350	RE 86171/C

Optional: Kit bidet 12V (to add at the moment of the order)  
Optional: Kit bidet 24V (to add at the moment of the order)

RE 86040  
RE 86041

### BIDET MINI PLUS

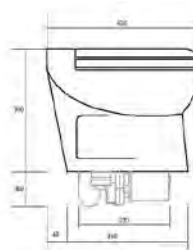
Dimensions 500x330x400 mm  
Base 290x380 mm



RE 86224

### ARTIC SHORT CUT

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Absolute noiselessness of operation (special patented turbine pump) Completely automatic washing cycle, control panel with 2 switches  
Predisposed to discharge in holding tank  
White porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	35	40	285x360	430x370x360	RE 86172
24	Single	1,8	25	40	285x360	430x370x360	RE 86173
12	Centralized	6,6	35	40	285x360	430x370x360	RE 86172/C
24	Centralized	3,3	25	40	285x360	430x370x360	RE 86173/C

SHORT VERSION: Are manufactured to allow the installation on a step

Optional: Kit bidet 12V (to add at the moment of the order)  
Optional: Kit bidet 24V (to add at the moment of the order)

RE 86040  
RE 86041

### BIDET MINI SHORT

Dimensions 435x330x330 mm  
Base 295x305 mm



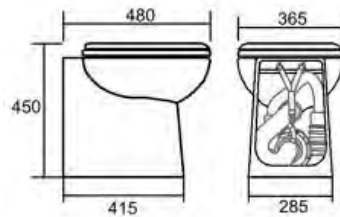
RE 86225





### SMART CLASSIC

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Complete noiselessness of operation (special patented turbine pump). Completely automatic washing cycle, control panel with 2 switches. Predisposed to discharge in holding tank. White porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	35	40	285x415	500x365x450	RE 86276
24	Single	1,8	25	40	285x415	500x365x450	RE 86277
12	Centralized	6,6	35	40	285x415	500x365x450	RE 86276/C
24	Centralized	3,3	25	40	285x415	500x365x450	RE 86277/C
230	Centralized	0,4	3	40	285x415	500x365x450	RE 86278

Optional: Kit bidet 12V (to add at the moment of the order)

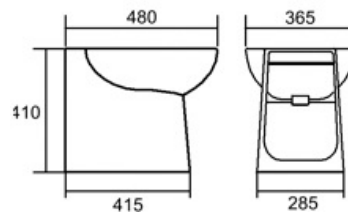
RE 86040

Optional: Kit bidet 24V (to add at the moment of the order)

RE 86041

### BIDET SMART CLASSIC

Dimensions 500X365X410 mm  
Base 285X415 mm

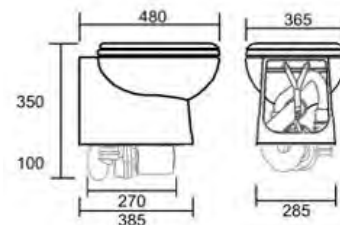


RE 86279



### SMART SHORT

Can be installed with a single system (with inlet pump) or centralized system (with electrovalve). Complete noiselessness of operation (special patented turbine pump). Completely automatic washing cycle, control panel with 2 switches. Predisposed to discharge in holding tank. White porcelain bowl, seat and cover of wood/polished polyester.



Voltage V	System	Absorption inlet pump	Absorption outlet pump	Ø internal pipe mm	Base mm	Dimensions mm	Code
12	Single	3,6	35	40	285x385	480x365x350	RE 86280
24	Single	1,8	25	40	285x385	480x365x350	RE 86281
12	Centralized	6,6	35	40	285x385	480x365x350	RE 86280/C
24	Centralized	3,3	25	40	285x385	480x365x350	RE 86281/C
230	Centralized	0,4	3	40	285x385	480x365x350	RE 86282

SHORT VERSION: Are manufactured to allow the installation on a step

Optional: Kit bidet 12V (to add at the moment of the order)

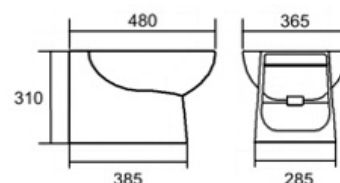
RE 86040

Optional: Kit bidet 24V (to add at the moment of the order)

RE 86041

### BIDET SMART SHORT

Dimensions 480X365X310 mm  
Base 385x285 mm



RE 86283





### GRINDING SYSTEM

The high speed of rotation of the VORTEX pump and the geometric design of its piping create a great vacuum able to remove water and organic waste from the bowl.  
The high level of performance ensures the greatest possible flexibility in planning the route of the discharge hoses, allowing it to reach significant distances and heights.

Voltage V	Absorption A	Capacity lt/min	Ø mm connections		Max elev head mt	Code
			Inlet	Outlet		
12	40	277	40	20	9	RE 86068
24	25	277	40	20	9	RE 86069
230	3	277	40	20	9	RE 86073



### CONTROL PANEL WITH ONE SWITCH

A part of water remains in the toilette  
After using the toilette, press the pushbutton and it starts a complete automatic flushing cycle

Button	Cover color	Installation	Dimensions	Recess hole	Recess depth	Code
1	1 white 1 black	Recess	147,6 x 91,6 mm	110 x 76 mm	46 mm	RE 86062



### CONTROL PANEL WITH TWO SWITCHES

The toilette is completely dry when it is in rest position  
Pressing "before use" button sends a specific quantity of water into the WC  
After using the toilette, pressing "after use" pushbutton starts a completely automatic flushing cycle  
Advantage: The toilette is completely dry when in the rest position

Button	Cover color	Installation	Dimensions	Recess hole	Recess depth	Code
2	1 white 1 black	Recess	147,6 x 91,6 mm	110 x 76 mm	46 mm	RE 86070



### SLIM PANEL

Reduced depth (1cm)  
Compatible with plaques Bticino Living, Vimar Plana, Vimar Eikon

Version: 1 button  
2 buttons

RE 86158  
RE 86159



### TANK SENSOR

It is a maximum-level sensor  
It is activated by air pressure generated by the level of the water  
It must be installed in the upper part of the tank with the rubber hose that enters the tank  
The pressure switch, located outside the tank, is a normal on-off switch, being electrically connected with the control panel which has a red led that warns the tank is nearly full  
Usually the led is green. The sensor may be used to commutate different alarms

RE 86020



### KIT PIPE

Kit included two rubber pipes:  
N°1 rubber siphon pipe for connection bowl pump  
N°1 discharge rubber pipe

RE 86019



### SOLENOID VALVES

The solenoid valves are provided the chiller water hammer.  
This device is extremely effective in eliminating the noise and the vibrations that propagate along the pipe water intake.

Version: 12V  
24V  
230V

RE 86160  
RE 86161  
RE 86162



## STANDARD ELECTRIC TOILETTE

White vitreous china bowl and wooden seat

Compact design

Self priming pump with elastic impeller

High performance macerator

Soft-Close seat

Version	Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
COMPACT	12	17	335x420x390	19	25	11	RE 86001
COMPACT	24	8	335x420x390	19	25	11	RE 86002
COMFORT	12	17	365x460x385	19	25	12	RE 86250
COMFORT	24	8	365x460x385	19	25	12	RE 86251
LOW	12	17	465x345x315	19	25	10	RE 86252
LOW	24	8	465x345x315	19	25	10	RE 86253

## LUXURY ELECTRIC TOILETTE

Very comfortable and nice to be seen, just like a home toilette

Stainless steel screws

Brass pump and base anti-crash material

It can be installed either above or below the sea level

High performance pump that allows drainage of waste up to 1,5 m

Soft-Close seat

Version	Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
STANDARD	12	30	365x455x455	19	25	22	RE 86071
STANDARD	24	16	365x455x455	19	25	22	RE 86072
BEVELLED	12	26	365x455x455	19	25	22	RE 86254
BEVELLED	24	13	365x455x455	19	25	22	RE 86255
LOW	12	30	365x455x385	19	25	20	RE 86087
LOW	24	15	365x455x385	19	25	20	RE 86088
LOW BEVELLED	12	26	365x455x385	19	25	21	RE 86256
LOW BEVELLED	24	13	365x455x385	19	25	21	RE 86257

## LAGUNA ELECTRIC TOILET

Base in shockproof material and brass pump

Installable under or over the floating line

High performance pump allows drainage of waste up to 3,5 m high

Self priming up to 1,2 m

Soft-Close seat

Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
12	24	340x405x410	19	25	18	RE 86059
24	12	335x420x390	19	25	18	RE 86060



### MANUAL TOILETTE

White china bowl with wooden seat and cover  
Easy to charge and discharge  
Base and pump in resistant plastic  
Soft-Close seat

Version	Dimensions mm	Ø Inlet pipe mm	Ø Outlet pipe mm	Weight Kg	Code
COMPACT	400x450x340	19	38	9	RE 86003
COMFORT	460x470x335	19	38	10	RE 86042
LOW	400x450x290	19	38	8	RE 86043



### TANK FOR MANUAL WC

Suitable for all marine toilets with compact cup, TMC, Groco, Jabsco, Johnson Pump, Thetford type.

Dimensions: 500x400x230

RE 86067



### WC COMPACT AND COMFORT KIT MACERATOR

Turn your manual WC in electric  
Fastened with 4 bolts, wheelbase 95mm  
High performance pump allows drainage of waste up to 5 mt high  
Interchangeable kit for Jabsco, TMC and Johnson Pump toilet

Voltage V	Ø Inlet mm	Ø Outlet mm	Code
12	19	25	RE 86004
24	19	25	RE 86005



### WC COMPACT AND COMFORT KIT VACUUM

Turn your manual WC in electric  
Fastened with 4 bolts, wheelbase 95mm

Voltage V	Ø Inlet mm	Ø Outlet mm	Code
12	19	25	RE 86016
24	19	25	RE 86017



### SPARE ELECTRO VALVE FOR TOILET

Works at 12/24 V

RE 86018



### MANUAL PUMP FOR TOILETTE

Pump + base

RE 86006



### REPLACEMENT SEAT

When ordering, specify the WC model

RE 86074



Designed in compliance with the new regulations for the discharge of black water in ports.  
Equipped with an electronic panel that automatically adjusts the loading and unloading of water.  
Very quiet, fully automatic washing cycle.  
Very low water consumption (1-2.5 liters).  
The drain pump allows you to reach up to 7 m in height and 70 m in length.  
Specify in the order if with solenoid valve or with pump.

### STANDARD VACUUM TOILETTE

White porcelain cup with a wooden toilet seat  
Compact design and low profile  
Soft-Close seat

Version	Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
COMPACT	12	17	335x420x390	19	25	10	RE 86260
COMPACT	24	8	335x420x390	19	25	10	RE 86261
COMFORT	12	17	365x460x385	19	25	11	RE 86262
COMFORT	24	8	365x460x385	19	25	11	RE 86263



### LUXURY VACUUM TOILETTE

Very comfortable and nice to be seen, just like a home toilette  
Stainless steel screws  
Brass pump and base anti-crash material  
It can be installed either above or below the sea level  
Soft-Close seat

Version	Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
STANDARD	12	30	365x455x455	19	25	21	RE 86264
STANDARD	24	16	365x455x455	19	25	21	RE 86265
LOW	12	30	365x455x385	19	25	20	RE 86266
LOW	24	16	365x455x385	19	25	20	RE 86267



### LAGUNA VACUUM TOILET

Based in protective material and brass pump  
It can be installed both above and below the waterline  
Soft-Close seat

Voltage V	Absorption A	Dimensions mm	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Code
12	19	340x405x410	19	25	18	RE 86268
24	10	335x420x390	19	25	18	RE 86269



**LITE FLUSH**

A new electric toilette designed to instantly retro-fit your existing manual. Toilette or to give your bathroom a modern stylist look. The innovative design offers both low power and water consumption with an integral rinse and waste pump system. Lightweight and compact. Low water usage-a. 2 litres per flush. Slow close seat and lid. Footswitch operated.

Model	Voltage	Material	Color	Water consumption	Dimensions mm	Weight Kg	Code
LITE FLUSH	12 V	Plastic	bianco	1,2 lt	407x342x373	-	RE 86025
LITE FLUSH	24 V	Plastic	bianco	1,2 lt	407x342x373	-	RE 86026

**ELECTRIC TOILETS**

Compact design with low profile. Easy to use. Self priming pump with elastic impeller. Permanent magnet motor with stainless steel driveshaft. High capacity grinding pump. White china bowl, seat and cover with tough baked enamel coating. Corrosion resistant materials.

Voltage V	Absorption A	Fuse A	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Dimensions mm	Code
12	18	25	3/4 "	1"	14,5	451 x 352 x 351	RE 86030
24	9	15	3/4 "	1"	14,5	451 x 352 x 351	RE 86031

Kits gaskets for electric toilette

RE 86032

**MANUAL TOILETS**

Compact design with low profile. Powerful swirl action for efficient flushing. Automatic vacuum breaker. Pump and base in cyclac plastic. Reversible pump mounting for choice of right or left handed installation. White china bowl, seat and cover with tough baked enamel coating. Corrosion resistant materials throughout for reliable salt water service.

Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Dimensions mm	Code
3/4 "	1 1/2"	11,6	330 x 440 x 310	RE 86009

Kits gaskets for manual toilette

RE 86033

**DELUXE TOILETS**

Simple to install.

With angled back it is easy to mount against a sloping surface or in a corner.

All aspect optimized for minimal water usage and near silent operation.

Anti-blocking centrifugal flush pump. Included solenoid valve for connection at centralized system.

Supplied with self priming pump to bring in sea to rinse and siphon breaker.

Voltage V	Absorption A	Fuse A	Inlet pipe Ø mm	Outlet pipe Ø mm	Weight Kg	Dimensions mm	Code
12	18	25	3/4 "	1"1/2	20	450 x 350 x 445	RE 86168
24	9	15	3/4 "	1"1/2	20	450 x 350 x 445	RE 86169

**MANUAL PUMP FOR TOILETTE**

Can be installed above or below the waterline

RE 86063

**ELECTRIC CONVERSION KIT**

Vertical kit for manual toilette jabsco. Compatible with compact and regular bowl, left or right hand manual toilets. Existing discharge plumbing remains undisturbed. Simple rotary control knob offers choice of "flush and discharge" or "discharge only". Two powerful self-priming pumps for above or below waterline installation. Dual role macerates waste for both overboard discharge and holding tank. Retains existing jockey valve to maintain automatic back-flow protection.

Voltage V	Absorption A	Fuse A	Inlet pipe Ø mm	Outlet pipe Ø mm	Dimensions mm	Code
12	25	25	19	38	148 x 86 x 266	RE 86027
24	13	15	19	38	148 x 86 x 266	RE 86028



### PUMP MACERATOR ABER MARINE

Plastic macerator and rubber impeller discharge pump

Self priming up to 2 mt. vertical lift.

43 LPM output at 5 mt. total head

Macerates and discharges water and waste mixtures.



Voltage V	Absorption A	Capacity lt/min	Inlet port connections	Outlet port connections	Dimensions mm	Code
12	12	43	38 mm	25 mm	240x130x90	RE 86021
24	6	43	38 mm	25 mm	240x130x90	RE 86023



### PUMP MACERATOR

Ideal for evacuating holding tank

High capacity and high reliability

Nitrile impeller - Self priming up to 2 m vertical lift



Voltage V	Absorption A	Capacity lt/min	Inlet port connections	Outlet port connections	Dimensions mm	Code
12	16	46	1" 1/2	1"	280 x 110 x 80	RE 86064
24	8	46	1" 1/2	1"	281 x 110 x 80	RE 86065



### PUMP MACERATOR

Ideal for evacuating holding tank

High capacity and high reliability - Ignition protected

Voltage V	Absorption A	Capacity lt/min	Inlet port connections	Outlet port connections	Dimensions mm	Code
12	12	43	1" 1/2	1"	240 x 130 x 90	RE 86007
24	7	43	1" 1/2	1"	240 x 130 x 90	RE 86008
12	14	47	1" 1/2	1"	260 x 130 x 90	RE 86045
24	8	47	1" 1/2	1"	260 x 130 x 90	RE 86046



### VENTED LOOP JABSCO

Vented loops guard against danger of water siphoning over pipework loops in below the waterline installations of toilets and bilge pump

Vented loop Ø 38mm

Vented loop Ø 19mm



RE 86034  
RE 86035



### VENTED LOOP JABSCO

Vented loops guard against danger of water siphoning over pipework loops in below the waterline installations of toilets and bilge pump

Vented loop Ø 38mm

Vented loop Ø 25mm

Vented loop Ø 19mm

RE 86037  
RE 86075  
RE 86038



### Y VALVE JABSCO



Two way valve  
Allows to be pumped directly overboard or into a holding tank  
Allows two bilge sections to be emptied by one pump  
Waste and corrosion resistant construction throughout  
Rotating discharge ports simplifies installation

N° way	Materials	Weight Kg	Inlet port connections	Outlet port connections	Dimensions mm	Code
3	ABS	0,90	1" 1/2	1" 1/2	194 x 184 x 117	RE 86036



### Y VALVE

A new universal strong y valve for use in bilge application  
Can be padlocked. ABS body

N° way	Color	Weight Kg	Inlet port connections	Outlet port connections	Dimensions mm	Code
3	White	0,5	1" 1/2	1" 1/2	140 x 150 x 150	RE 86039



### Y 2005 VALVE

For use in bilge applications  
Standard connections 38 mm and extra 25 mm  
Weight 0,8 Kg - Mesures 200x800x60

RE 86010



### WASTE HOLDING TANK



Waste holding tank with pump, filter and floating switch  
5 inputs (19-19-25-28.6-38) and one output at 19 of diameter  
Internal check valve for preventing back flow  
Removable stainer









Voltage V	Capacity lt/min	Input diameter mm	Output diameter mm	Dimensions mm	Code
12	50	Ø 19 - 25 - 30 - 38	Ø 19	235 x 285 x 130	RE 86022
24	50	Ø 19 - 25 - 30 - 38	Ø 19	235 x 285 x 130	RE 86024










### CARBON FILTERS

Made in light-weight metal alloy and nylon  
Must be placed in the higher point of the boxes air valve  
Carbon must not be in contact with liquid contained in the box

RE 86029

	<p><b>SINGLE LEVER MIXERS</b>            Single lever with ceramic valves            Swivelling spout            Max projection: 210 mm            Max height: 130 mm</p>	RE 86047
	<p><b>MIXER TAP</b>            Single lever + extractable shower with flexible pipe of 1.5mt            Double jet switch            Max projection: 240 mm            Max height: 170 mm</p>	RE 86048
	<p><b>SINGLE LEVER CERAMIC MIXER</b>            Single lever chromed brass mixer, perfect for showers            Wall installation with flanges            Height: 110 mm            Diameter: 40 mm</p>	RE 86049
	<p><b>MIXER TAP</b>            In chromed brass            Handwheel movement            Max projection: 210 mm            Height: 190 mm</p>	RE 86050
	<p><b>MIXER TAP</b>            Single lever + extractable shower with flexible pipe of 1.5mt            Double jet switch            Max height: 170 mm</p>	RE 86051
	<p><b>SHOWER MIXER</b>            In chromed brass            Complete with inlet case in white ABS            Inlet diameter: 55 mm            Max external diameter: 90 mm</p>	RE 86052
	<p><b>MIXER FOR SEPARATED SHOWERS</b>            Cold/hot mixer in chromed brass            Complete with inlet case in white ABS            Inlet diameter: 55 mm            Max external diameter: 90 mm</p>	RE 86066
	<p><b>SHOWER WITH HOSE</b>            If you push the switch the water flows. If you lift it you obtain a direct jet            Gained support in chromed brass and nylon            Reinforced white hose of 5 meters</p>	RE 86011

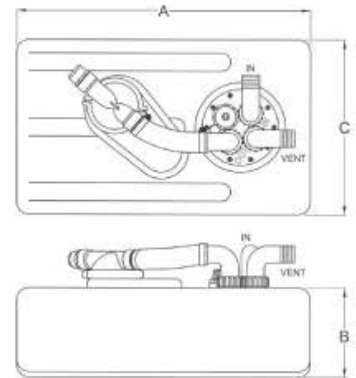


	<p><b>CERAMIC TAPS</b> Single brass tap (only cold water) Lowering and folding pipe Max height: 210 mm Width: 90 mm</p>	<p>RE 86053</p>
	<p><b>CERAMIC TAPS</b> Brass mixer (hot and cold water) Lowering and folding pipe. For closed sink Max height: 210 mm Max proj: 240 mm</p>	<p>RE 86054</p>
	<p><b>MIGNON SERIES</b> Single Brass (only cold water) with folding spout Max height: 180 mm Max proj: 180 mm</p>	<p>RE 86055</p>
	<p><b>MIGNON SERIES</b> Mixer Brass (hot &amp; cold water) with folding spout Max height: 140 mm Max proj: 190 mm</p>	<p>RE 86056</p>
	<p><b>LEVER SHOWER</b> Gained support in chromed brass and nylon If you push the switch the water flows If you lift it you obtain a direct jet Reinforced white hose of 2 meters Max height: 140 mm</p>	<p>RE 86057</p>
	<p><b>PUSH-BUTTON SHOWER</b> Shower with push button With inlet case, cover and 2 meters hose Inlet diameter: 58 mm Max external diameter: 95 mm</p>	<p>RE 86058</p>
	<p><b>TRIGGER SHOWER</b> In white ABS with 45° curve in chromed brass If you push the switch the water flows If you lift it you obtain a direct jet Gained support in chromed brass and nylon Reinforced white hose of 2 meters Max height: 90mm Max proj: 130 mm</p>	<p>RE 86061</p>



## WASTE MANAGEMENT SYSTEM

Heavy duty macerator evacuation pump (50890 series)  
 Ready to install with inlet, outlet and vent hose  
 connection to 1 1/2"  
 Hard mounting strap  
 Level indicator (optional)  
 Maximum elevation head 4 m  
 Capacity 19 lt/min  
 Self priming pump  
 Pumping soil and waste water



Model	Tank capacity	Voltage	Fuse	Length (A)	Width (C)	Height (B)	Pump capacity	Hose	Code
324004012	41 lt	12 V	10 A	650 mm	390 mm	200 mm	19 lt/min	1 1/2"	RE 86135
324006012	63 lt	12 V	10 A	950 mm	390 mm	200 mm	19 lt/min	1 1/2"	RE 86136
324006024	63 lt	24 V	5 A	950 mm	390 mm	200 mm	19 lt/min	1 1/2"	RE 86137
324010012	103 lt	12 V	10 A	1050 mm	390 mm	200 mm	19 lt/min	1 1/2"	RE 86138
324010024	103 lt	24 V	5 A	1050 mm	390 mm	200 mm	19 lt/min	1 1/2"	RE 86139



## WASTE WATER KIT

Includes tank + macerator + accessories  
 Polythene waste tank according to ISO 8099 regulation  
 Complete with 8 joints on both sides: 4 of 3/4 e 4 1/2" for charge, discharge and breather  
 KIT includes: macerator, gas tank vent, activated carbon filter and control panel  
 The filter should be installed along the breather of the tank in the highest possible location  
 The activated carbons should never come into contact with the liquids in the tank  
 The Y-valve must be ordered separately  
 24V power supply on request

### RECTANGULAR TANK

Capacity	Voltage	Length	Width	Height	Code
47 lt	12 V	480 mm	400 mm	330 mm	RE 86091
72 lt	12 V	700 mm	400 mm	300 mm	RE 86092
112 lt	12 V	700 mm	800 mm	200 mm	RE 86093

### BREVELLED TANK

Capacity	Voltage	Length	Width	Height	Code
50 lt	12 V	530 mm	430 mm	290 mm	RE 86094
75 lt	12 V	800 mm	430 mm	290 mm	RE 86095
98 lt	12 V	1050 mm	430 mm	290 mm	RE 86096

# 21 CLIMATE AND WATER MAKERS



- Desalination
- Purifiers
- Self contained units
- DC Air Conditioner
- Split units



# 21

## REBAMARINE

NAUTICAL EQUIPMENT



PROGRESS



## WATERMAKERS PROGRESS PROGRESS LIGHT

The Progress is a low power consumption watermaker, which needs 12 or 24 Vdc. Excellent for boats without generator on board. It can also work when fed by batteries provided with an aeolic generator or photovoltaic panels; it's easy to install and to use, and it needs a limited maintenance. Progress is very compacted, consisting of stainless structure units; it has electronic control units with lighting LED signals. It is provided with a control system (with automatic blockage) against an excessive operating pressure, and reverse polarity.

**STANDARD EQUIPEMENT:**  
High and low pressure.  
hydraulic circuit gauges.  
316 L stainless steel operating  
pressure regulator.

**OPTIONAL FITTINGS:**  
Booster pump.  
Thermal circuit breaker.  
Salinity meter.



LIGHT



Model	Flow l/h	Flow l/day	Flow gal/day	Consume	Dimensions cm	Weight Kg	Code
MC/40 P	15	360	95	18A (12V) - 9A (24V)	64 x 25 x 22	20	RE 97001
MC/80 P	30	720	190	18A (12V) - 9A (24V)	64 x 25 x 22	24	RE 97002
MC/120 P	50	1200	317	32A (12V) - 18A (24V)	64 x 25 x 22	28	RE 97003
MC/LIGHT	25	600	158	28A (12V) - 14A (24V)	52 x 52 x 29	29	RE 97004



## WATERMAKERS PROGRESS LUX

The Progress Lux is a low power consumption watermaker, which needs 230 Volt 50 Hz. Excellent for boats with a small power generator on board. It's easy to install and to use, and it needs a limited maintenance. Progress Lux is very compacted, consisting of stainless structure units; it has electronic control units with lighting LED signals. It is provided with a control system (with automatic blockage) against an excessive operating pressure, and a control system of water quality.

**STANDARD EQUIPEMENT:**  
Automatic over pressure  
shutdown. Working pressure  
regulator valve.  
Flow pressure.  
Salinity control.

**OPTIONAL FITTINGS:**  
Remote control.  
U.V. Sterilizer.  
Activated carbon post-filter.  
Oil water separator.  
Booster pump.

Model	Flow l/h	Flow l/day	Flow gal/day	Consume A	Dimensions cm	Weight Kg	Code
MC/25 Lux	25	600	158	0,5	69 x 35 x 30	24	RE 97005
MC/50 Lux	50	1200	317	0,5	69 x 35 x 30	28	RE 97006

## WATERMAKERS CORAL ECR

The CORAL ECR line has a modular configuration and it can be used in any application, in which assembly space is limited.

The stainless steel machine is reliable and long-lasting.

It is available with a fresh water production capacity starting from 30 litres/hour up to 280 litres/hour and it fully satisfies all needs in pleasure boating and work fields.

CORAL ECR requires an on-board generator providing 220/380 Volts and at least 3.5 kVA.

### STANDARD EQUIPEMENT:

- Automatic over pressure shutdown.
- Salinity meter with automatic flow diversion valve.
- Flow pressure on permeate. Hour meter.
- High and low pressure hydraulic circuit gauges.
- Working pressure regulator valve.
- Booster pump. Automatic low pressure shutdown.

### OPTIONAL FITTINGS:

- Remote control.
- Automatic flushing system.
- U.V. sterilizer.
- Activated carbon post-filter.
- Sand filter.
- Oil water separator.



Model	Flow l/h	Flow l/day	Flow gal/day	Consume A	Dimensions cm	Weight Kg	Code
CORAL LE/30	30	720	190	1,1	70 x 35 x 23	45	RE 97007
CORAL LE/60	60	1440	380	1,1	70 x 35 x 23	50	RE 97008
CORAL ECR/30	40	960	254	1,8	70 x 35 x 23	45	RE 97009
CORAL ECR/60	70	1680	444	1,8	70 x 35 x 23	50	RE 97010
CORAL ECR/90	110	2640	697	1,8	70 x 35 x 23	55	RE 97011
CORAL ECR/150	170	4080	1078	1,8	118 x 35 x 23	55	RE 97012
CORAL ECR/150	170	4080	1078	1,8	118 x 35 x 23	55	RE 97013
CORAL ECR/220	220	5280	1395	2,2	118 x 35 x 23	62	RE 97014
CORAL ECR/280	300	7200	1902	2,2	118 x 35 x 23	69	RE 97015

## WATERMAKERS SYNTHESI

The SYNTHESI line has been designed to be adapted to all working conditions in the marine field.

The plant is made up of three stainless steel modules, that make its installation extremely versatile and easy.



### STANDARD EQUIPEMENT:

Automatic over pressure shutdown.  
Salinity meter with automatic flow diversion valve. Flow meter on permeate.  
Hour meter. Working pressure regulator valve.  
Pressure gauges. Booster pump.  
Automatic low pressure shutdown.

### OPTIONAL FITTINGS:

Remote control.  
Activated carbon post-filter.  
U.V. sterilizer.  
Automatic flushing system.  
Sand filter.  
Oil water separator.

Model	Flow l/h	Flow l/day	Flow gal/day	Consume A	Dimensions cm	Weight Kg	Code
SY 211	40	960	254	1,5	70 x 45 x 49	57	RE 97016
SY 212	70	1680	444	1,5	70 x 45 x 49	62	RE 97017
SY 213	110	2640	697	1,5	70 x 45 x 49	67	RE 97018

## WATERMAKERS PACIFIC CS

The PACIFIC CS line, built with a compact configuration, is assembled in a solid stainless steel structure that makes the installation easy and guarantees high-reliability and long life.



### STANDARD EQUIPEMENT:

Automatic over pressure shutdown  
Salinity meter with automatic flow diversion valve  
Flow meter on permeate  
Hour meter  
Working pressure regulator valve  
Pressure gauges  
Booster pump  
Automatic low pressure shutdown

### OPTIONAL FITTINGS:

Remote control  
Activated carbon post filter  
Chemical pre-treatment system  
U.V. sterilizer  
Automatic flushing system  
Sand filter  
Oil water separator

Model	Flow l/h	Flow l/day	Flow gal/day	Consume A	Dimensions cm	Weight Kg	Code
PACIFIC 90/CS	110	2640	697	1,8	90 x 50 x 54	69	RE 97019
PACIFIC 150/CS	170	4080	1078	2,2	118 x 50 x 54	68	RE 97020
PACIFIC 220/CS	220	5280	1395	2,2	118 x 50 x 54	75	RE 97021
PACIFIC 280/CS	300	7200	1902	2,2	118 x 50 x 54	82	RE 97022

# SEWAGE TREATMENT SYSTEM



## SEWAGE TREATMENT SYSTEMS - BLUESEA

The BLUE SEA system is a new-generation waste water purifier capable of treating from 2500 to 22000 litres a day.

This completely automatic, technologically advanced system is equipped with a special chemical/physical laboratory where waste water is purified, triturated, sterilized, all in accordance to the enforced norms regarding the discharge of waste water into the sea. In fact, a BLUE SEA waste water treatment system guarantees the elimination of bacterial pollution through an oxide/reduction process and, most of all, drastically reduces TSS, BOD5, COD, turbidity and the organic and physical pollutants in waste water produced on boat thanks to a fine purification system.

With BLUE SEA it is now possible to discharge waste water directly into the sea with full respect for the environment and compliance with current standards, at the same time avoiding heavy and inconvenient waste collection tanks and long drainage procedures in authorized ports.

BLUE SEA series purifiers are compact and assembled on a solid stainless steel structure that guarantees the maximum reliability and long life; because of their small size and versatility, compared to traditional systems, they can be installed in all applications where the available space is limited.

The management of the system and the various purification steps are handled by a latest-generation PLC that coordinates and constantly monitors its operations.

The unit allows the user to control all its operating parameters, making control of its plumbing and electrical systems simple.



### STANDARD EQUIPEMENT:

- Automatic flushing system.
- Liquid oxidant tank.
- Electronic over flow.
- Mechanical over flow.
- Hour meter.
- Primary "U.V. STERILIZER".
- Air blower.
- Cycle counter.
- Kit external sensors for your holding tank installation.
- Operator panel with LCD display for control and self-diagnostics.
- Electronic max and min sensor for the on-board sewage tank.
- On-board sewage tank sensor installation kit.
- Siphons for the sewage water and seawater charging lines.

### HYDRAULICS: SYSTEM CHARACTERISTICS:

Models	2500, 3500, 4000, 7000, 12000	22000
Input/output terminals	1.1/4"	1.1/2"
In black and grey water	1.1/4"	1.1/2"
In sea water	1.1/2"	2"
Outlet	1.1/4"	1.1/2"
Overflow	1.1/4"	1.1/2"
Vent	3/4"	3/4"
In air	1.1/4"	1.1/4"
In/out primary U.V.	Yes	Yes

All sewage treatment systems Blue Sea are certified by DNV-GL in compliance with the new IMO MARPOL 227(64) and with MED 96/98/EC with MED-D-1810 certificate.

### OPTIONAL FITTINGS:

Macerator booster pre-pump. Seawater pump. Air filter (activated carbon) U.V. sterilizer for post secondary treatment. Remote control with LCD display  
 GREASE TRAPS: Mod. SEL1 0,75 l/s - Mod. SEL1 1,25 l/s - Mod. SEL1 1,75 l/s  
 ENZYMATIC GREASE TRAPS\*: Mod. SEL300

\*Enzymatic biological version, the SEL300 model is indicated for boats with serious problems of pitch and roll.

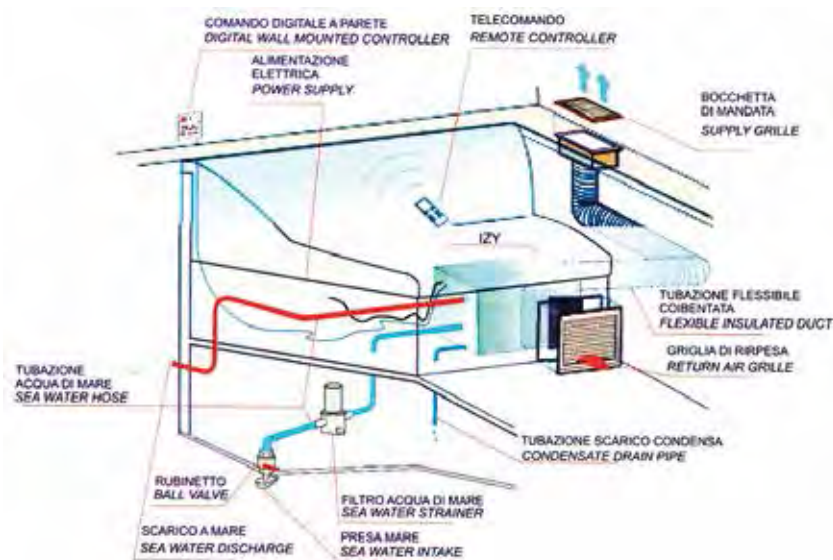
Model	Flow l/day	Litres of waste water treated per cycle	Purification process duration min	Nominal AC power consumption KW	Dimensions mm	Weight Kg	Code
BLUE SEA 2500	2500	27	15	0,75	620 x 730 x 550	70	RE 97023
BLUE SEA 3500	3500	37	15	0,75	620 x 920 x 740	85	RE 97024
BLUE SEA 4000	4000	42	15	0,75	620 x 1120 x 740	90	RE 97025
BLUE SEA 7000	7000	85	17	0,75	670 x 900 x 1025	100	RE 97026
BLUE SEA 12000	12000	145	17	0,75	990 x 900 x 900	105	RE 97027
BLUE SEA 22000	22000	260	17	1,5	1200 x 1400 x 1200	185	RE 97028

# SELF CONTAINED UNITS



## DO-IT-YOURSELF AIR CONDITIONING KIT

IZY KIT is the exclusive product which allows the do-it-yourself installation of an air conditioning system inside each kind of boat. Inside the Inox structure you can find an high performance compressor, cupro-nickel tube-in-tube corrosion resistant heat exchanger, direct expansion evaporator made by copper tubes expanded into aluminium corrugated fins, sea water pump and electrical components are mounted inside a stainless steel case internally covered for noise reduction. EH version allows both cooling and heating the cabin. Unlike reversing cycle systems, the heating operation by the electric heater is not effected by the lower sea water temperature reached temperature reached during winter season, thus obtaining 100% heating efficiency with sea water temperature below 10° C.



### KIT INCLUDES:

- 1 Wall and IR remote control
- 2,5 mt flexible insulated duct
- 1 PVC circular white grill 100mm
- 1 PVC hose clamps 400x8 mm
- 1 PVC white return air grill 300x300
- 3 mt 16 mm PVC hose spiral reinforced
- 1 Sea water strainer
- 2 female hose connector 1/2" x 8mm
- 1 Male hose connector 1/2" x 20
- 1 ball valve 1/2" female/female
- 1 Sea water intake 1/2"
- 1 Sea water discharge 1/2"
- 6 Stainless steel hose clamps 17x32mm
- 1,5 mt Condensate drain pipe 16mm
- 1,5 mt Electrical cable

Model	Capacity BTU/h	Voltage Vac / Hz	Nominal power cooling	Nominal power heating	Dimensions H x L x D mm	Air duct diameter	Sea water connections diameter	Weight Kg	Code
IZY09	9000	230 / 50	860 W	1260 W	303 x 283 x 620	Ø 102	Ø 16	29	RE 97050
IZY13	13000	230 / 50	1300 W	1500 W	370 x 330 x 570	Ø 102	Ø 16	35	RE 97051





## AIR CONDITIONER "AIRJET 12/24"

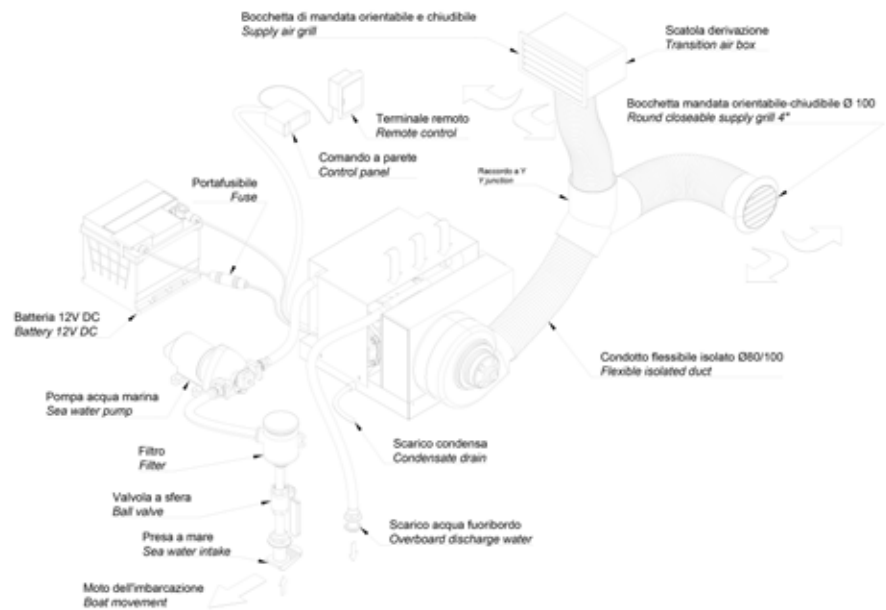
AirJet 12 e AirJet 24 are the exclusive and innovative sea water cooled boat air conditioner directly powered in 12V or 24V (direct current) from the battery bank of your boat, without using a generator or an inverter.

AirJet 12/24 is a well designed and elegant product which offers the most simple and versatile installation, and it is the ideal solution for cooling single cabins. The heart of this air conditioner is a semi-hermetic horizontal scroll compressor using an advanced brushless DC motor (BLCD) which allows the direct connection to the boat's battery bank, also avoiding, through a dedicated program of the compressor control driver, the start up peak.

The blower can be rotated allowing many installation options according to the path of the air ducts.

The best quality of the treated air is assured by the installation of an easily removable and washable filter. Each unit is pre-charged, leak checked and tested in all operating modes at the most critical conditions.

All the air conditioners are filled up with environmentally friend green refrigerant and no further charge is required before the installation on board.



Model	Cooling ca capacity BTU/h	Power supply Vdc	Absorbed amp max A/h	Absorbed power W	Blower diameter mm	Air flow mc/h	Sea water connections diameter	Dimension H x L x D mm	Weight kg	Code
AirJet 12	3700	12	50	600	Ø 80	500	Ø 18 mm	240x380x500	17	RE 97090
	6100	12	65	800	Ø 80	500	Ø 18 mm	240x380x500	17	RE 97091
AirJet 24	5400	24	39	930	Ø 100	580	Ø 18 mm	280x330x480	18	RE 97092
	7400	24	44	1000	Ø 100	660	Ø 18 mm	280x330x480	18	RE 97093

### DIRECT EXPANSION SYSTEMS

Direct expansion sea water condensed air conditioning split systems

The best choice for small/medium vessels (8-18 mt)

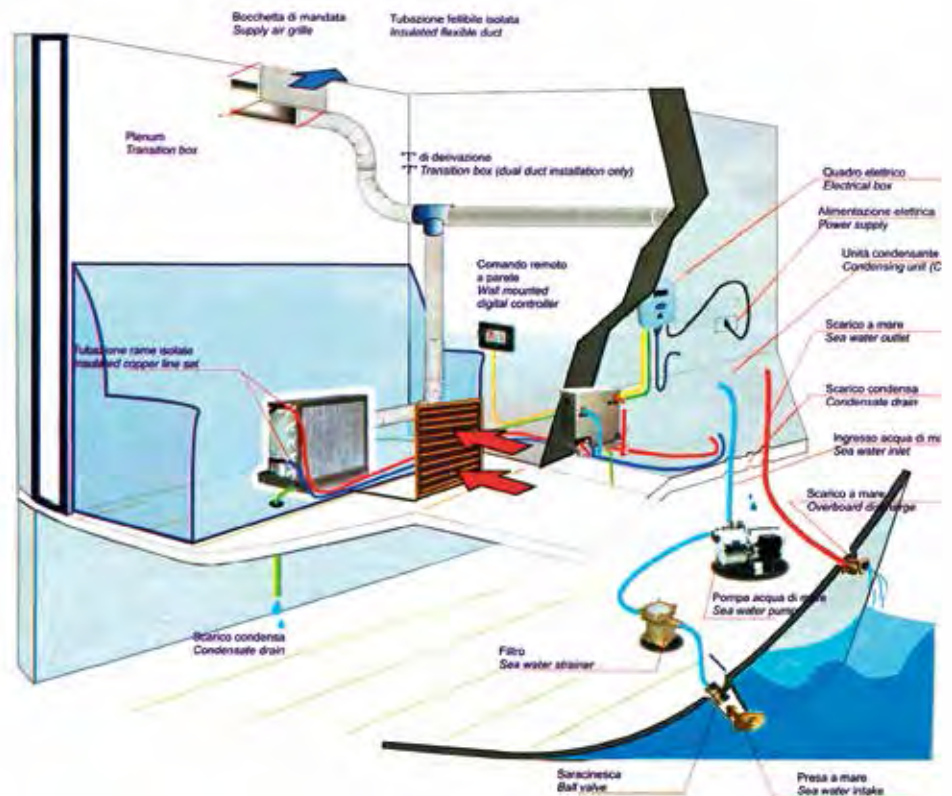
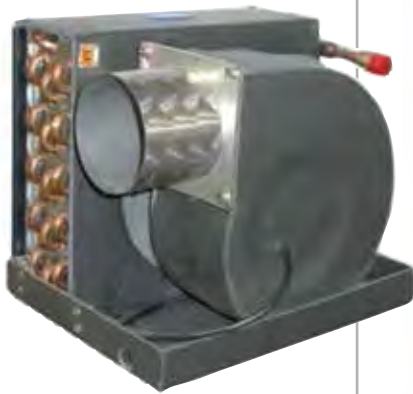
Evaporator and condensing unit are installed separately, maximum 6 meters distance

High efficiency and quiet operation compressors and fans

High corrosion resistant cupro/nickel sea water condenser

Deep condensate pan, removable and washable air filter included.

Filled up with green gas R407C



Model	Cooling capacity BTU/h	Heating capacity BTU/h	Voltage Vac	Absorbed power W	Dimension H x L x D mm	Air duct diameter	Sea water connections diameter	Weight Kg	Code
08H	8000	8870	230	900	325x500x280	Ø 100	Ø 16	24	RE 97058
10H	10000	10550	230	1300	325x500x280	Ø 100	Ø 16	26	RE 97059
13H	13000	13650	230	1400	340x500x300	Ø 100	Ø 16	33	RE 97060
16H	16000	17600	230	1700	330x660x380	Ø 100	Ø 16	36	RE 97061
18H	18000	19800	230	1800	380x930x380	2 x Ø 100	Ø 16	45	RE 97062
24H	24000	26200	230	2400	380x930x420	2 x Ø 100	Ø 16	52	RE 97063

# AIR CONDITIONING MONOBLOCK



## DIRECT EXPANSION SELF CONTAINED SYSTEMS

Direct expansion sea water condensed air conditioning systems

The best choice for small/medium vessels (8-18 mt)

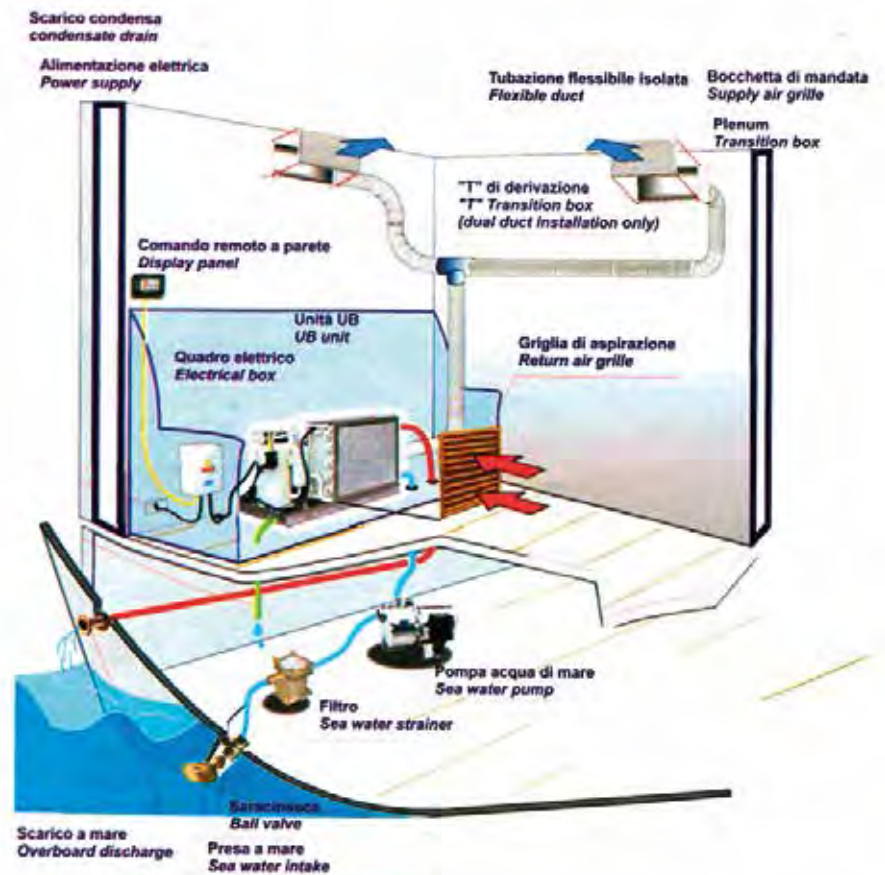
All components arranged on a 100% stainless steel single chassis

High efficiency and quiet operation compressors and fans

High corrosion resistant cupro/nickel sea water condenser

Deep condensate pan

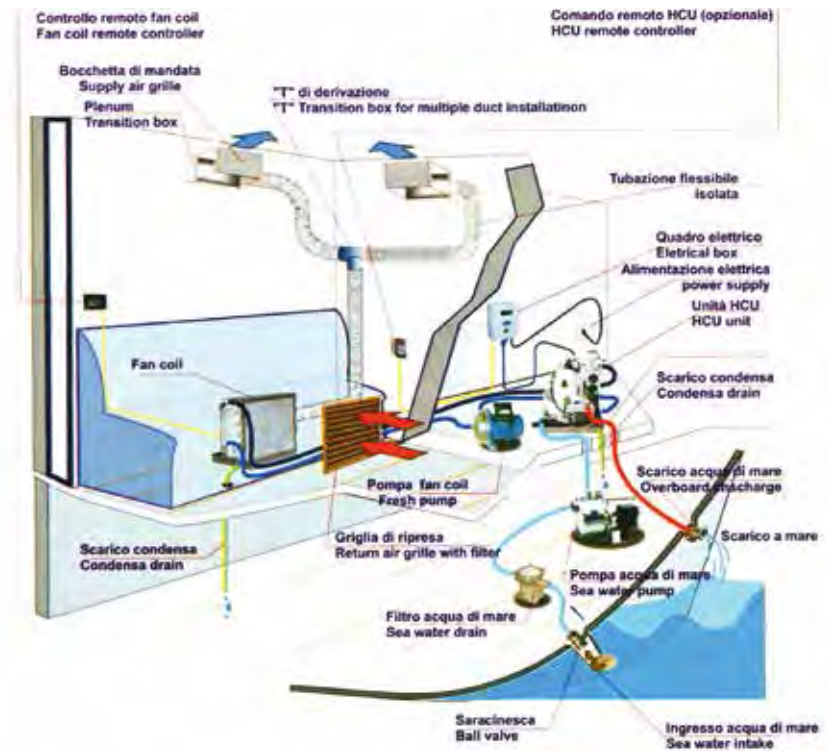
Filled up with green gas R407C



Model	Cooling capacity BTU/h	Heating capacity BTU/h	Voltage Vac	Absorbed power W	Dimension H x L x D mm	Air duct diameter	Sea water connections diameter	Weight Kg	Code
08H	8000	8870	230	900	325x500x280	Ø 100	Ø 16	24	RE 97052
10H	10000	10550	230	1300	325x500x280	Ø 100	Ø 16	26	RE 97053
13H	13000	13650	230	1400	340x500x300	Ø 100	Ø 16	33	RE 97054
16H	16000	17600	230	1700	330x660x380	Ø 100	Ø 16	36	RE 97055
18H	18000	19800	230	1800	380x930x380	2 x Ø 100	Ø 16	45	RE 97056
24H	24000	26200	230	2400	380x930x420	2 x Ø 100	Ø 16	52	RE 97057

## “UC-FC” SPLIT UNIT

This model is composed by a chiller unit and a fan coil  
 The best choice for vessels from 45 feet and more  
 Insulated metallic parts to prevent condensation  
 High efficiency and quiet operation compressors and fans  
 High corrosion resistant cupro/nickel sea water condenser  
 Deep condensate pan, removable and washable air filter included.  
 Filled up with green gas R407C



### CHILLER UNIT

Model	Cooling capacity BTU/h	Heating capacity BTU/h	Voltage Vac	Absorbed power W	Dimension H x L x D mm	Sea water connections diameter	Weight Kg	Code
16H	16000	18000	230	1700	360x330x330	Ø 20	38	RE 97064
18H	18000	20000	230	1800	380x330x330	Ø 20	41	RE 97065
24H	24000	30000	230	2400	430x350x350	Ø 20	50	RE 97066
30H	30000	36000	230	3000	460x420x390	Ø 20	56	RE 97067

### FAN COIL

Model	Cooling capacity BTU/h	Heating capacity BTU/h	Voltage Vac	Absorbed power W	Dimension H x L x D mm	Air duct diameter	Weight Kg	Code
FC05	5000	230	400	90	280x330x260	Ø 100	5,5	RE 97068
FC08	8000	230	440	100	280x330x260	Ø 100	6,5	RE 97069
FC10	10000	230	500	105	280x330x260	Ø 100	6,5	RE 97070
FC13	13000	230	520	115	280x330x260	Ø 100	6,5	RE 97071
FC16	16000	230	560	140	280x330x280	Ø 120	9,5	RE 97072
FC18	18000	230	2x470	200	290x600x350	2x Ø 100	13	RE 97073
FC24	24000	230	2x470	230	290x600x350	2x Ø 100	13	RE 97074



### STRAIGHT JUNCTION

Diameter mm	Code
100/80	RE 97075
100/100	RE 97076
100/125	RE 97077



### FLEXIBLE INSULATED DUCT

Diameter mm	Code
80	RE 97078
100	RE 97079
125	RE 97080



### HOSE RING

The hose ring facilitates mounting the ventilation ducts

Shape	Ring diameter	Color	Material	Code
Round	80	Black	ABS	RE 97030
Round	100	Black	ABS	RE 97031
Round	125	Black	ABS	RE 97029
Oval	80	Black	ABS	RE 97032
Oval	100	Black	ABS	RE 97033
Oval	125	Black	ABS	RE 97034



### AIR DIVIDERS IN T AND IN Y

Fix directly to the ventilation ducts or to the central units

Supply options are either: direct into a cabin by means of two separates grill or in two adjacent cabins

Type dividers	Ø input mm	Ø output mm	Color	Material	Code
Y	100	100	Nero	ABS	RE 97035
T	100	80	Nero	ABS	RE 97037
T	100	100	Nero	ABS	RE 97038
T	120	100	Nero	ABS	RE 97039



### AIR DELIVERY GRILL

Available in anodized aluminium or teak

Different dimensions

Orientable

Material	Color	Fixing	Dimensions	Code
Teak	Teak	Clips	200x100 mm	RE 97041
Teak	Teak	Clips	250x150 mm	RE 97042
Teak	Teak	Clips	300x125 mm	RE 97043
Teak	Teak	Clips	300x150 mm	RE 97044
Teak	Teak	Clips	250x250 mm	RE 97045
Teak	Teak	Clips	300x300 mm	RE 97046



### CENTRIFUGAL ELECTRIC PUMPS

CONTINUOUS DUTY, NOT SELF-PRIMING

Body pump: bronze -Impeller: special brass alloy - Shaft: AISI 316 stainless steel

Mechanical seal: high quality on ceramic, graphite, steel

Model	Supply	Power	Frequency	Delivery l/min	Ports IN	OUT	Manometric Head	Dimensions mm	Weight Kg	Code
CB 22 E	230 V	0,55 Kw	50 Hz	100	1"	1"	19,5 m	185x190x300	16	RE 80378



### WATER FILTERS

Body in nickel-plated brass,

cover in transparent polycarbonate

Stainless steel filter

Available in 3/8, 1/2, and 3/4

Connections inches	Delivery l/h	Dimensions mm	Material	Approval	Code
3/8	-	105x99	Nickel-plated brass	RINA	RE80087
1/2	2550	105x99	Nickel-plated brass	RINA	RE80088
3/4	4750	105x99	Nickel-plated brass	RINA	RE80089



### WATER FILTERS

Body in nickel-plated brass, cover in transparent polycarbonate

Stainless steel aisi 316 filter

R.I.N.A approvals

Connections inches	Delivery l/h	Dimensions mm	Weight Kg	Material	Approval	Code
1/2"	1740	Ø 110 x 140	2,5	Nickel-plated brass	RINA	RE 81066
3/4"	2880	Ø 146 x 160	3	Nickel-plated brass	RINA	RE 81067
1"	4580	Ø 146 x 160	3,5	Nickel-plated brass	RINA	RE 81068



### MAGNETIC HAULAGE SEA WATER PUMP

Delivery l/h	Absorption W	Inlet/Outlet mm	Dimension mm	Weight Kg	Code
10	27	14	167x10x100	2	RE 97081
15	45	17	202x106x113	2,3	RE 97082
22,5	60	20	272x120x130	4	RE 97083



### BRASS INTAKE MANIFOLD

Plants Number	Inlet	Outlet	Code
2	1"	2x1/2"	RE 97084
3	1"	3x1/2"	RE 97085
4	1"	4x1/2"	RE 97086
5	1"	5x1/2"	RE 97087
6	1"	6x1/2"	RE 97088



- Directional Antennas
- Omni-directional Antennas
- Vhf Antenna
- VHF - AIS Antennas
- VHF - GPS Antennas
- Coaxial cable
- Connectors
- Phone and TV sockets
- Antenna supports
- Marine Stereos
- Speakers
- Watertight Speakers
- Amagnetic Speakers



**Supplied accessories:**

- control unit 12v
- 10 m (33') coaxial cable
- 1,5 m (5') coaxial cable
- high thickness synthetic rubber gasket

## PANDORA "NEO" SATELLITE ANTENNA

Pandora "NEO" is the new wireless control FULL-HD/4K satellite TV antenna with 39cm (15") dish. The "NEO" antennas are equipped with a super fast satellite locking system even in extreme rough sea conditions thanks to totally renewed electronics and mechanics: more powerful processor, faster driver and more robust structure. Furthermore, the new electronics have been designed to make Pandora "NEO" super silent, both in the satellite search phase and in the tracking phase. Thanks to the introduction of a brand new GPS system, Pandora "NEO" saves previous navigation positions, as well as guarantee increased signal reception performance even at the edges of the signal coverage area. Like all new Glomex "NEO" satellite TV antennas, Pandora "NEO" is managed via the free App available for iOS and Android devices. By downloading the app, you can manage the "NEO" satellite TV antennas in one click via Bluetooth® with your own smartphone/tablet and:

- update the satellites list
- update the antenna
- select and change satellites
- send the operating parameters of the antenna to technical assistance in case of need

Technology	DVB-sS2 4k FULL HD	LNB frequency range	10,7 - 12,75 Ghz LNB universal
Dish diameter	390 mm (15")	Radome type	U.V. resistant
Radome dimensions	420x450 mm (16x18")	Power requirement	12 vdc
LNB	Universal single	Operating temp. range	-20° +55°
App	Yes	Azimuth	Unlimited
Coax cable	1	Elevation	0° / 90°
Receiver output	1	Type of stabilization	Gyro on 2 axis + 3° axis by interpolation
Weight	6 kg (13.3 lb)	Satellite identification	NIT (Network Information Table)
Tracking	50° sec	Min Eirp	50 dBW
Gain	33 db (12 Ghz)	Future Upgrades ready	Yes
Skew	Manual	Control unit	Unlimited
Dish type	Prime Focus + HPD		
Polarization	Linear (H+V)		

RE 95208



## RHEA "NEO" SATELLITE ANTENNA

"Rhea "NEO" is the new wireless control FULL-HD / 4K satellite TV antenna with 47cm (18") dish. The "NEO" antennas are equipped with a super-fast satellite locking system even in extreme rough sea conditions thanks to totally renewed electronics and mechanics: more powerful processor, faster driver and more robust structure.

Furthermore, the new electronics have been designed to make Rhea "NEO" super silent, both in the satellite search phase and in the tracking phase. Thanks to the introduction of a brand-new GPS system, Rhea "NEO" saves previous navigation positions, as well as guarantee increased signal reception performance even at the edges of the signal coverage area. Like all new Glomex "NEO" satellite TV antennas, Rhea "NEO" is managed via the free App available for iOS and Android devices.

By downloading the app, you can manage the "NEO" satellite TV antennas in one click via Bluetooth® with your own smartphone/tablet and:

- update the satellites list;
- update the antenna;
- select and change satellites;
- send the operating parameters of the antenna to technical assistance in case of need.

Technology	DVB-sS2 4k FULL HD	LNB frequency range	10,7 - 12,75 Ghz LNB universal
Dish diameter	470 mm (18")	Radome type	U.V. resistant
Radome dimensions	500 x 560 mm (20x22")	Power requirement	12/24 Vdc
LNB	Universal single	Operating temp. range	-20° +55°
App	Yes	Azimuth	Unlimited
Coax cable	1	Elevation	0° / 90°
Receiver output	1	Type of stabilization	Gyro on 2 axis + 3° axis by interpolation
Weight	13 kg (28.5 lb)	Satellite identification	NIT (Network Information Table)
Tracking	50° sec	Min Eirp	49 dBW
Gain	35 db (12 Ghz)	Future Upgrades ready	Yes
Dish type	Prime Focus + HPD	Control unit	Unlimited
Polarization	Linear (H+V)		

RE 95205





## SATURN 4 DCSS "NEO" SATELLITE ANTENNA

Saturn 4 "NEO" DCSS is the new FULL-HD/4K wirelessly controlled satellite TV antenna with 47cm disc to use up to 16 TVs simultaneously. Developed with the dCSS / SCR technology, Saturn 4 "NEO" DCSS has been specially manufactured to be used with the dCSS decoders, for example the Sky Q decoders, and to exploit all their features (such as recording a program while watching a other channel). The dCSS technology also has the great advantage of making installation extremely simple and fast thanks to a single cable that comes down from the antenna even for multi-output installations. Like all Glomex "NEO" satellite TV antennas, Saturn 4 is equipped with a super fast satellite locking system even in extreme rough sea conditions thanks to totally renewed electronics and mechanics: more powerful processor, faster driver and more robust. Furthermore, the new electronics have been designed to have extremely quiet satellite TV antennas, both in the satellite search phase and in the tracking phase. Thanks to the introduction of a brand new GPS system, the new "NEO" satellite TV antennas save the previous the navigation positions and guarantee increased signal reception performance even at the edges of the signal coverage area. Saturn 4 "NEO" is managed through the free Glomex SAT TV App available for iOS and Android devices.

Technology	DVB-sS2 4k FULL HD	LNB frequency range	10,7 - 12,75 Ghz LNB universal
Dish diameter	470 mm (18")	Radome type	U.V. resistant
Radome dimensions	500 x 560 mm (20x22")	Power requirement	12 Vdc
LNB	Universal single	Operating temp. range	-20° +55°
App	Yes	Azimuth	Unlimited
Coax cable	1	Elevation	0° / 90°
Receiver output	1/16	Type of stabilization	Gyro on 2 axis + 3° axis by interpolation
Weight	13 kg (28.5 lb)	Satellite identification	NIT (Network Information Table)
Tracking	50° sec	Min Eirp	49 dBW
Gain	35 db (12 Ghz)	Future Upgrades ready	Yes
Dish type	Prime Focus + HPD	Control unit	Unlimited
Polarization	Linear (H+V)		

RE95206



By downloading the app, you can manage the "NEO" satellite TV antennas in one click via Bluetooth® with your own smartphone/tablet and:

- update the satellites list
- update the antenna
- select and change satellites
- send the operating parameters of the antenna to technical assistance in case of need.

## MARS 4 DCSS "NEO" SATELLITE ANTENNA

Mars 4 "NEO" DCSS is the new FULL-HD / 4K wirelessly controlled satellite TV antenna with 60cm disc to use up to 16 TVs simultaneously. Developed with the dCSS / SCR technology, Mars 4 "NEO" DCSS has been specially manufactured to be used with the dCSS decoders, for example the Sky Q decoders, and to exploit all their features (such as recording a program while watching a other channel). The dCSS technology also has the great advantage of making installation extremely simple and fast thanks to a single cable that comes down from the antenna even for multi-output installations. Like all Glomex "NEO" satellite TV antennas, Mars 4 is equipped with a super fast satellite locking system even in extreme rough sea conditions thanks to totally renewed electronics and mechanics: more powerful processor, faster driver and more robust. Furthermore, the new electronics have been designed to have extremely quiet satellite TV antennas, both in the satellite search phase and in the tracking phase. Thanks to the introduction of a brand new GPS system, the new "NEO" satellite TV antennas save the previous the navigation positions and guarantee increased signal reception performance even at the edges of the signal coverage area. Mars 4 "NEO" is managed through the free Glomex SAT TV App available for iOS and Android devices.

Technology	DVB-sS2 4k FULL HD	LNB frequency range	10,7 - 12,75 Ghz LNB universal
Dish diameter	600 mm (24")	Radome type	U.V. resistant
Radome dimensions	660x660 mm (26x26")	Power requirement	12/24 Vdc
LNB	Universal single	Operating temp. range	-20° +55°
App	Yes	Azimuth	Unlimited
Coax cable	1	Elevation	0° / 90°
Receiver output	1/16	Type of stabilization	Gyro on 2 axis + 3° axis by interpolation
Weight	16 kg (35.3 lb)	Satellite identification	NIT (Network Information Table)
Tracking	50° sec	Min Eirp	47 dBW
Gain	36,5 db (12 Ghz)	Future Upgrades ready	Yes
Dish type	Prime Focus + HPD	Control unit	Unlimited
Polarization	Linear (H+V)		

RE 95207



By downloading the app, you can manage the "NEO" satellite TV antennas in one click via Bluetooth® with your own smartphone/tablet and:

- update the satellites list
- update the antenna
- select and change satellites
- send the operating parameters of the antenna to technical assistance in case of need.



### KIMA TV ANTENNAS

Omnidirectional terrestrial antenna. Excellent for analogic reception and digital terrestrial (with DVB decoder). Radome is in aerodynamic tin with a compact and catchy design. In white ABS for giving maximum resistance to UV. Excellent reception of VHF and UHF frequencies. Possible connection up to 3 TV trough an appropriate splitter. O-Ring included for giving more protection. Against sailly water. Easy placement everywhere thanks to a universal connection at 1"x14. Frequency range: BIII (170 - 230 Mhz) BIV (470 - 606Mhz) BV (606 - 862Mhz). Gain: Band III (22dB) Band IV (25dB) Band V (25dB). Impedance: 75 Ω.

**Kit includes:**

- 3 F Connectors
- 10 mt of coaxial cable 75Ω
- Supplier with screws
- Fuse holder + fuse
- Key in BS for fixing the cable.

Supply	Absorption	Antenna dimensions	Supplier dimensions	Gain dB	Weight g	Code
9-30 Vdc	98-120 mA	Ø 11.5x21cm	4.7x7.5x3.7cm	32	400	RE 95163



### SIGNAL SPLITTER

1 input – 2 outputs  
1 input – 4 outputs

RE 95054  
RE 95084



### KIMA VHF ANTENNAS

A revolutionary antenna with a new shape and technology  
Better reception and power in transmission  
Useful for reducing the dimensions and with a minimum weight  
External radome in tinned ABS. Easy placement everywhere thanks to the universal connection 1"x 14  
Cable length: 10mt of coaxial cable 50Ωhm. V.S.W.R.: < 2  
Polarization: vertical. Impedance: 50 Ω

Model	Frequency	Max power	Gain dB	Dimensions cm	Weight g	Code
VHF	156-162 MHz	50 W	2	Ø 11.5 x 21	450	RE 95155



### KIMA VHF- GPS ANTENNAS

A revolutionary antenna with a new shape and technology  
Better reception and power in transmission  
Useful for reducing the dimensions and with a minimum weight  
External radome in tinned ABS. Easy placement everywhere thanks to the universal connection 1"x 14  
Polarization: vertical. Impedance: 50 Ω. Coaxial cable 10m 50Ω  
GPS: 12 channels - 10mt cable

Model	Frequency	Max power	Gain dB	Dimensions cm	Weight g	Code
VHF + GPS	154-158MHz	50 W	2	Ø 11.5 x 21	500	RE 95156



### COAXIAL CABLE FOR VHF ANTENNA

Mod RG 58/U, reduction dB/100mt – 50Mhz 10 – 1000 Mhz 57.

Wires N°	Wire diameter mm	Sheath colour PVC	External diameter mm	Skein weight Kg/100mt	Impedance Ohm	Capacity Pf/m	Length m	Code
1	19x0,18	Black	5	3	50	98	100	RE 60580



### COAXIAL CABLE FOR TV Mod RG 58B/U

Wires N°	Wire diameter mm	Sheath colour PVC	External diameter mm	Skein weight Kg/100m	Impedance Ohm	Length m	Code
1	1 x 0,58	White	6	3,9	75	100	RE 60581



## WBOAT 5G PLUS ANTENNA

Dual mini sim 5G/WI-FI coastal internet antenna outdoor system for surfing the internet up to 20 miles.

weBBoat® Plus 5G is the new WORLDWIDE\* Dual SIM 5G/Wi-Fi All-in-One Plug & Play Coastal internet system to get internet on board and a secure Wi-Fi hotspot inside and outside the boat thanks to the in-built 5G and Wi-Fi antennas for fast connection up to 20 miles from the coast. Now, you have an ultra-fast connection download speed on board: up to 2.5 Gbps. Moreover, if you sail in an area with no 5G signal coverage, the LTE CAT 16 unit allows you to have a 4G connection speed up to 1Gbps. 5G offers a connection with the same level of fibre, but totally wireless and therefore perfect to be used on board. Inside the dome, there are 4 x high performance 5G and 2 x 2.4/5GHz MIMO Wi-Fi antennas for optimizing the speed of data transfers with a huge increase on the connection speed. That means that you can either watch streaming TV chan-

nels and platforms such as Netflix offshore, or work remotely on your boat, using internet connection as like you would be on the mainland.

Equipped with the new revolutionary Glomex MIoT Routerboard platform with a super-powerful processor, that highly increases the connection speed compared to other existing internet systems.

Up to 32 different devices can be used simultaneously without any degradation to the signal or performance. The units built-in advanced switching software allows the user to save money on costly roaming and overage charges by automatically switching to Wi-Fi when available. The WebBoat® Plus 5G is a true Plug & Play device that requires minimal setup and only one power lead for the antenna which operates from 10-30 vDC. The Dual SIM architecture allows the user to have more

choices for operation (i.e. different carriers for coverage, extra data if one card runs out, etc). weBBoat® Plus 5G has additional features such as Carrier aggregation. The new weBBoat® Plus 5G takes advantage of the flexible bandwidth option in LTE and adds the capability to combine multiple bands of the carrier into one big channel. It can access a much bigger data pipe and therefore the achievable data rates improve significantly. Carrier aggregation is supported by improvements to the unit technologies, to make the overall spectrum usage more efficient. automatic APN, SMS management/reading/sending to monitor internet consumption, automatic switching mode with onboard satellite internet devices/V-SAT and an encrypted real-time peer-to-peer connection for remote set-up and service that increase the performance and usefulness of your integrated system Coastal Internet.

### TECHNICAL SPECIFICATIONS

- Worldwide unit: for Europe, Middle East, North and South Americas, Australia, New Zealand, Africa and Asia (except for China)
- Antenna dimensions (diam.x H): 250 x 300 mm / 10x12"
- Antenna weight: 1,2 kg / 2,65 lb
- DUAL MINI SIM system
- Inherent antennas: 4 x 5G + 2 x 2.4/5GHz MIMO Wi-Fi antennas
- 5G: Up to 2.5Gbps in download
- LTE CAT16: Up to 1Gbps in download
- WCDMA: Max 42Mbps in download

- CPU: Arm Cortex-A7 800MHz
- RAM: 256MB DDR3
- Automatic switch Wi-Fi registered networks to 4G.
- Automatic APN
- SMS management function
- V-SAT/SAT internet autoswitch mode
- Switching cellular data to external Wi-Fi
- Encrypted real-time peer-to-peerconnection for remote set-up and service
- Power Supply: 10/30 Vdc
- Average Consumption: 150mA

RE 95200



## ACCESS POINT FOR METAL/LARGE BOAT

150Mbps Wireless N Nano Router Access point, powered through a micro USB port by an external power adapter or USB connection to a computer. It is designed for use with tablets, smart phones, handheld game consoles and other portable electronic wireless devices.

RE 95201



## SWITCH 5-PORT

5-Port 10/100Mbps Desktop Switch.

It provides an easy way to expand your wired network. It can process data at a rate of up to 200Mbps making it an ideal choice for expanding your high performance wired network. Moreover, all ports support Auto MDI/MDIX function, eliminating the need for crossover cables or Uplink ports.

RE 95202



### **NASHIRA OMNIDIRECTIONAL TV ANTENNA AGC**

After more than 25 years of leadership as the best seller TV antenna in the world, the V9112/12 is renewed in design and performance keeping the essential style that is the ideal solution for any type of boat. V9112/12 is also characterized by compact dimensions (diameter 370mm / 14") and high quality materials. Nashira is distinguished by an innovative design based to the new pinnacle as a "shark fin" (high 55mm / 2,2"), for receiving vertically polarized TV signals, that fits perfectly on the new radome with aerodynamic lines. The new reinforced base, coupled with the Glomex exclusive micro-fused, electro-polished and hand polished stainless steel mount (code V9172), ensures the best antenna's stability in any sea conditions. Thanks to vertical pinnacle inside the "shark fin", Nashira can receive polarized TV

signals both horizontally and vertically, thus it is the ideal solution for any type of boat, sailboat or motorboat. The terrestrial signal quality, either analog or digital, can also be tuned by turning the amplifier. This version of Nashira (code V9112/12) is available with 50023/98 amplifier. The 50023/98 is an amplifier provided with by-pass function which, in areas crowded with strong signals, allows to disconnect the amplification and to transmit directly to the TV-set without troubling the reception. If matched with a splitter V9147 (2-ways, optional) installed between the antenna and the amplifier, it can also receive AM-FM radio frequencies.

Antenna diameter 370 mm - Antenna height 240 mm  
Base diameter 25 mm - Antenna weight 975 g  
Polarization horizontal/vertical - Impedance 75 ohms  
Frequency range 40/890 mhz - Gain average 27,5 db  
Noise factor 2,1 db - Power consumption 20 ma  
Power supply 12/24 vdc - Antenna ampl/by pass: yes  
Adjustable gain: yes - Termination "F" female

RE 95001



### **TALITHA OMNIDIRECTIONAL DVBT TV ANTENNA AGC**

Talitha is the Omni-directional TV antenna renewed in design and performance keeping the essential style that is the ideal solution for any type of boat. V9125/12 is also characterized by compact dimensions (diameter 250mm / 10") and high quality materials. Talitha is distinguished by an innovative design based to the new pinnacle as a "shark fin" (high 31 mm / 1,2"), for receiving vertically polarized TV signals, that fits perfectly on the new radome with aerodynamic lines. Thanks to vertical pinnacle inside the "shark fin", Talitha can receive analog or digital

TV signals polarized both horizontally and vertically, thus it is the ideal solution for any type of boat, sailboat or motorboat.

Talitha is equipped with the 50023/98EC amplifier allowing the adjustment of received signal's gain intensity. If matched with a splitter V9147 (2-way, optional) installed between the antenna the antenna and the amplifier, it can also receive AM-FM radio frequencies.

Antenna diameter 250 mm - Antenna height 151 mm  
Base diameter 25 mm - Antenna weight 405 g  
Polarization horizontal/vertical - Impedance 75 ohms  
Frequency range 40/890 mhz - Gain average 26 db  
Noise factor 2,2 db - Power consumption 20 ma  
Power supply 12/24 vdc - Antenna ampl/by pass: no  
Adjustable gain: yes - Termination "F" female

RE 95002



### **ALTAIR - ANTENNA MARINE TV OMNIDIRECTIONAL AGC**

Altair is the omni-directional TV antenna ensuring high performance in signal reception with both polarizations: horizontal and vertical. In fact Altair, is different to the other omni-directional antennas, in that it has a Radome with dimensions (diameter 250 mm/10", height 300 mm/12") allowing the installation of the vertical reception component inside. Altair is equipped with amplifier with by-pass function (50023/98.) In order to keep a balanced look of your boat, Altair can be matched to the VHF RA124, as they are identical in shape and size.

Diameter 250 mm - height 300 mm - Base diameter 25 mm - weight 430 g - Polarization horizontal/vertical  
Impedance 75 ohms - Frequency range 40/890 MHz - Gain average 27,5 dB - Noise factor 2,1 dB  
Power consumption 25 mA - Power supply 12/24 Vdc - Antenna ampl/by pass: yes - Adjustable gain: yes  
Termination "F" female

RE 95003



### **AVIOR - COMPACT OMNIDIRECTIONAL DVBT TV ANTENNA VT300**

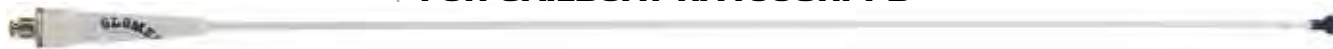
Avior is the TV/RADIO FM Omnidirectional antenna in the Glomex range characterized by very compact dimensions (diameter 100 mm/4" and height 210 mm/8"). It enables the user to watch TV programs broadcasted with analog and digital terrestrial system and to listen the radio. The new amplifier allows Avior to have an increase in the gain and to receive vertically and horizontally polarized TV signals coming from more directions at the same time. The inner amplifier, coupled to the power inserter with 2 independent outputs for TV and radio (V91140I-FM), allows the reception of VHF and UHF and FM frequencies with a single antenna. Avior can be installed on any kind of boat, whether sailboat or motorboat, and can be matched to the VHF RA121 antenna.

Diameter 100 mm - height 210 mm - Base diameter 25 mm - weight 250 g - Polarization horizontal/vertical  
Impedance 75 ohms - Frequency range 40/890 MHz - Gain average 24,5 dB - Noise factor 1,7 dB  
Power consumption 20 mA - Power supply 12 Vdc - Termination "F" female

RE 95004



### FIBERGLASS MARINE VHF ANTENNAS FOR SAILBOAT RA106GRPPB



Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 DC ground: yes  
 Antenna lenght: 900 mm  
 Antenna weight: 180 g  
 Termination: RA106

RE 95106

### MARINE VHF ANTENNAS WITH STAINLESS STEEL WHIP FOR SAILBOAT RA106SLSPB



Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 DC ground: yes  
 Antenna lenght: 900 mm  
 Antenna weight: 180 g  
 Termination: RA106

RE 95105

### FIBERGLASS MARINE VHF ANTENNAS FOR SAILBOAT RA106GRPSB18



Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 DC ground: yes  
 Antenna lenght: 900 mm  
 Antenna weight: 180 g  
 Termination: RA106

RE 95104

### MARINE VHF ANTENNAS WITH STAINLESS STEEL WHIP FOR SAILBOAT RA106SLSSB18



Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 DC ground: yes  
 Antenna lenght: 900 mm  
 Antenna weight: 180 g  
 Termination: RA106

RE 95103

### FIBREGLAS MARINE VHF ANTENNA WITH NYLON FERRULE FOR MOTORBOATS RA112

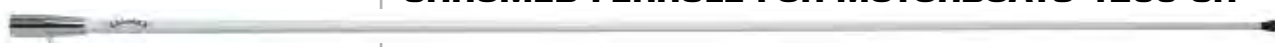


Base in nylon  
 Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 Dc ground: yes  
 Antenna lenght: 1,5 m  
 Antenna weight: 450 g  
 Termination: cable

RE 95107

### FIBREGLAS MARINE VHF ANTENNA WITH CHROMED FERRULE FOR MOTORBOATS 1206 CR



Base chromed  
 Frequency range: 156-162 Mhz  
 Gain average: 3 dB  
 Impedance: 50 ohm  
 Polarization: vertical  
 Swr: <1,3 @ 156,8 Mhz

Max input power: 100 W  
 Dc ground: yes  
 Antenna lenght: 2,4 m  
 Antenna weight: 580 g  
 Termination: cable

RE 95108



### MARINE VHF ANTENNA FOR SAILBOAT AND MOTORBOAT RA111

The REGATTA & EMERGENCY series antennas are characterized by compactness and functionality. RA111 is a small VHF antenna (140mm) protected by a tapered synthetic rubber tube that can be installed, on the sailboats or motorboats. It is equipped with 18m of coaxial cable and with a PL259 male connector.

Frequency range: 156-162 Mhz  
Gain average: 1 dB  
Impedance: 50 ohm  
Polarization: vertical  
Swr: <1,3 @ 156,8 Mhz

Max input power: 50 W  
Dc ground: no  
Antenna lenght: 140 mm  
Antenna weight: 220 g  
Termination: SO239

RE 95122

### MARINE VHF ANTENNA FOR SAILBOAT AND MOTORBOAT RA114

The REGATTA & EMERGENCY series antennas are characterized by compactness and functionality. RA114 is an emergency antenna, to be used in case the main antenna is broken or temporarily idle. This small antenna, only 350mm high, is equipped with 9m of coaxial cable and PL259 male connector.

Frequency range: 156-162 Mhz  
Gain average: 1 dB  
Impedance: 50 ohm  
Polarization: vertical  
Swr: <1,3 @ 156,8 Mhz

Max input power: 50 W  
Dc ground: no  
Antenna lenght: 350 mm  
Antenna weight: 900 g  
Termination: cable + PL259

RE 95123



### MARINE VHF ANTENNA FOR SAILBOAT AND MOTORBOAT RA121

It's a compact VHF antenna (diameter 100 mm, height 210 mm,) conceived for any vessel, whether sailboat or motorboat, and it's provided with all necessary accessories for installation.

Frequency range: 156-162 Mhz  
Gain average: 1 dB  
Impedance: 50 ohm  
Polarization: vertical  
Swr: <1,3 @ 156,8 Mhz

Max input power: 50 W  
Dc ground: no  
Antenna lenght: 210 mm  
Antenna weight: 250 g  
Termination: SO239

RE 95124



### AIS ANTENNA RA110AIS

The Automatic Identification System (AIS) is a monitoring system of naval traffic, useful for navigation safety with difficult meteorological conditions (fog or nocturnal navigation.) The AIS system operates on 2 expressly dedicated VHF channels (161.975 and 162.025 MHz) and allows the user to receive real time information about the traffic in the surrounding area. Glomex has planned and produced a range of calibrated antennas exactly for the specific VHF frequencies and for the AIS standards. The RA111AIS antenna is protected by a tapered synthetic rubber tube and can be installed, on either sailboats or motorboats. Thanks to the V9181 support supplied, the RA111AIS can be installed in a vertical or horizontal position, on the mast or on the pulpit.

Frequency range: 161,975 - 162,025 Mhz  
Gain average: 1 dB  
Impedance: 50 ohm  
Polarization: vertical  
Swr: <1,2 @ 156,8 Mhz

Max input power: 50 W  
Dc ground: no  
Antenna lenght: 140 mm  
Antenna weight: 220 g  
Termination: SO239

RE 95125

### AIS ANTENNA RA110AIS

The Automatic Identification System (AIS) is a monitoring system of naval traffic, useful for navigation safety with difficult meteorological conditions (fog or nocturnal navigation.) The AIS system operates on 2 expressly dedicated VHF channels (161.975 and 162.025 MHz) and allows the user to receive real time information about the traffic in the surrounding area. Glomex has planned and produced a range of calibrated antennas exactly for the specific VHF frequencies and for the AIS standards. The RA110AIS will receive signals on AIS frequencies very efficiently even when the antenna, because of the boat rolling and pitching, is not perfectly vertical. The polished polyurethane paint and the waterproof connector will allow this antenna to maintain an excellent performance for many years.











Frequency range: 161,975 - 162,025 Mhz  
Gain average: 3 dB  
Impedance: 50 ohm  
Polarization: vertical  
Swr: <1,2 @ 156,8 Mhz

Max input power: 50 W  
Dc ground: no  
Antenna lenght: 1 m  
Antenna weight: 536 g  
Termination: SO239

RE 95126





	<p><b>AM/FM ANTENNA RA1281</b>                  RA1281 is a very solid AM-FM antenna, made of UV resistant synthetic rubber, and is 300mm high.                  Frequency range: 550 - 1600 KHz / 88 - 108 Mhz - Impedance: 93 ohm                  Antenna lenght: 300 mm - Antenna weight: 267g - Termination: plug motorola <span style="float: right;">RE 95127</span></p>												
	<p><b>AM/FM ANTENNA RA128</b>                  The RA128 is a 1.5m AM-FM antenna aimed for installation on motorboats and small yachts.                  Its shape is identical to that of the RA112 (VHF) and RA127 (CB) antennas for a balanced look of your boat.                  Frequency range: 550 - 1600 KHz / 88 - 108 Mhz - Impedance: 93 ohm                  Antenna lenght: 1,5 m - Antenna weight: 490g - Termination: SO239 <span style="float: right;">RE 95128</span></p>												
	<p><b>AM/FM ANTENNA RA1288</b>                  The RA1288 is a 2,4m (8') AM-FM antenna aimed for installation on motorboats and large yachts.                  Frequency range: 550 - 1600 KHz / 88 - 108 Mhz - Impedance: 93 ohm                  Antenna lenght: 2,4 m - Antenna weight: 600 g - Termination: SO239 <span style="float: right;">RE 95129</span></p>												
	<p><b>VHF/AM-FM RADIO/AIS SPLITTER RA201</b>                  This is the ideal solution for a quick installation of the AIS receiver by taking advantage of the VHF antenna on board. With the RA201 divider, it is in fact possible to switch off the VHF sender and to split the signal received by the VHF antenna between the AM/FM radio and the AIS receiver.                  Supply: 12 Vdc <span style="float: right;">RE 95130</span></p>												
	<p><b>MOBILE PHONE ANTENNA RA160</b>                  This antenna allow you to send and receive telephone calls with your own mobile phone whilst at sea.                  Frequency range: 800 - 980 Mhz - Polarization: vertical - Impedance: 50 ohm - Max input power: 100 W                  Gain average: 6 dB - Dc ground: yes - lenght: 600 mm - weight: 510 g - Termination: N connector <span style="float: right;">RE 95118</span></p>												
	<p><b>MOBILE PHONE ANTENNA RA161</b>                  This antenna allow you to send and receive telephone calls with your own mobile phone whilst at sea.                  Frequency range: 800 - 980 Mhz - Polarization: vertical - Impedance: 50 ohm - Max input power: 50 W                  Gain average: 6 dB - Dc ground: yes - lenght: 2,4 m - weight: 742 g - Termination: cable <span style="float: right;">RE 95131</span></p>												
	<p><b>ORBCOM ANTENNA RA106ORBC</b>                  The ORBCOMM Communication System takes advantage of low orbit satellites for mobile communications (e-mail, SMS, data.) The RA106 ORBC and RA109 ORBC antennas are designed according to ORBCOMM Italia specifications.                  Frequency range: tx150 - rx137 Mhz - Polarization: vertical - Impedance: 50 ohm - Gain average: 3 dB                  Dc ground: yes - lenght: 1 m - weight: 180 g - Termination: RA106 Welded terminal <span style="float: right;">RE 95119</span></p>												
	<p><b>CB ANTENNA RA127</b>                  The Citizens' band, or CB, is a radio frequency band aimed for private communications.                  This antenna assure a reliable and qualified communication system.                  Frequency range: 27 Mhz - Polarization: vertical - Impedance: 50 ohm - Swr: &lt; 1,2                  Max input power: 50 W - Gain average: 1 dB - Dc ground: no - lenght: 1,5 m - weight: 450 g                  Termination: cable <span style="float: right;">RE 95143</span></p>												
	<p><b>CB ANTENNA RA1278</b>                  The Citizens' band, or CB, is a radio frequency band aimed for private communications.                  This antenna assure a reliable and qualified communication system.                  Frequency range: 27 Mhz - Polarization: vertical - Impedance: 50 ohm - Swr: &lt; 1,2                  Max input power: 50 W - Gain average: 1 dB - Dc ground: yes - lenght: 2,4 m - weight: 786 g                  Termination: cable <span style="float: right;">RE 95145</span></p>												
	<p><b>FIBREGLASS EXTENSION</b>                  These are extensions used for vertical elevation of the antenna in order to clear the reception/transmission field. They can be made of stainless steel or UV resistant fibreglass and are the ideal complement to all Glomex (VHF, AIS, etc.) antennas.</p> <table border="0" style="width: 100%;"> <tr> <td>Model RA150</td> <td>- lenght 2,4 m</td> <td style="text-align: right;">RE 95150</td> </tr> <tr> <td>Model RA120</td> <td>- lenght 2 m</td> <td style="text-align: right;">RE 95151</td> </tr> <tr> <td>Model RA149</td> <td>- lenght 1,2 m</td> <td style="text-align: right;">RE 95152</td> </tr> <tr> <td>Model RA122/60</td> <td>- lenght 600 mm</td> <td style="text-align: right;">RE 95153</td> </tr> </table>	Model RA150	- lenght 2,4 m	RE 95150	Model RA120	- lenght 2 m	RE 95151	Model RA149	- lenght 1,2 m	RE 95152	Model RA122/60	- lenght 600 mm	RE 95153
Model RA150	- lenght 2,4 m	RE 95150											
Model RA120	- lenght 2 m	RE 95151											
Model RA149	- lenght 1,2 m	RE 95152											
Model RA122/60	- lenght 600 mm	RE 95153											

# ANTENNAS ACCESSORIES



	<p><b>MOUNT RA115</b> 4 way ratchet mount in reinforced nylon UV resistant design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 9' in self supporting mode. Standard 1"x14 thread.</p>	<p>RE 95115</p>
	<p><b>MOUNT RA135</b> 4 way ratchet mount in reinforced nylon UV resistant design with knob, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread. New waterproof feed-thru for a very easy passage of the cable.</p>	<p>RE 95116</p>
	<p><b>MOUNT RA107SS</b> 4 way ratchet mount polished stainless steel design with clamp, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Standard 1"x14 thread.</p>	<p>RE 95164</p>
	<p><b>MOUNT RA116SS</b> Heavy duty 4 way ratchet mount polished stainless steel design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Standard 1"x14 thread.</p>	<p>RE 95133</p>
	<p><b>MOUNT RA166/00</b> 4 way ratchet mount polished stainless steel design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 9' in self supporting mode. Standard 1"x14 thread.</p>	<p>RE 95165</p>
	<p><b>MOUNT V9174</b> Universal mount stainless steel for antennas and extensions. Standard thread 1"x14, weight 10 oz (280 g), height 4" (100 mm).</p>	<p>RE 95166</p>
	<p><b>MOUNT V9175OT</b> Universal mount reinforced nylon for GPS antennas only. Usable with RA129 extension. Standard thread 1"x14, weight 1 oz (27 g), height 13/8" (40 mm).</p>	<p>RE 95136</p>
	<p><b>MOUNT RA134</b> Rail ratchet mount in reinforced nylon UV resistant, design with knob and hole for GPS. Easy installation on vertical or horizontal rails of 7/8" (22 mm) and 1" (25 mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.</p>	<p>RE 95168</p>
	<p><b>MOUNT V9175</b> Universal mount reinforced nylon for GPS antennas only. Usable with RA129 extension. Standard thread 1"x14, weight 2 oz (50 g), height 4" (100 mm).</p>	<p>RE 95169</p>



# ANTENNAS ACCESSORIES



	<p><b>MOUNT RA119</b> Stand-off bracket reinforced nylon. For bulkhead and rail of Ø 1" (25 mm) and 1 1/4 (30 mm). It accepts Ø 38,5 mm. (1,5") antennas and is supplied with plastic inserts for extensions diam. 1" (25 mm), 1" 1/8 (28 mm) and 1 1/4 (30 mm).</p>	<p>RE 95170</p>
	<p><b>MOUNT RA145</b> Rail mount reinforced nylon UV resistant, for installation of GPS antennas on horizontal rails of 7/8" (22 mm) and 1" (25 mm). Usable with RA129 extension. Standard 1"x14 thread.</p>	<p>RE 95171</p>
	<p><b>MOUNT RA175</b> Rail mount reinforced nylon UV resistant, for installation of GPS antennas only on horizontal rails of 7/8" (22 mm), 1" (25 mm) and 1 1/4 (30 mm). Supplied with clamps for all 3 rail diameters.</p>	<p>RE 95172</p>
	<p><b>MOUNT RA165</b> Rail ratchet mount stainless steel electropolished, design with handle and hole for GPS. Easily installation on vertical or horizontal rails of 7/8" (22 mm) and 1" (25 mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.</p>	<p>RE 95173</p>
	<p><b>MOUNT V9173</b> Masthead racket stainless steel. Thread 1"x14, weight 12 oz (330 g)</p>	<p>RE 95174</p>
	<p><b>CONNECTOR RA131</b> PL259 male connector for RG213/U 50 ohm</p>	<p>RE 95070</p>
	<p><b>CONNECTOR RA132</b> PL259 male connector for RG58/U 50 ohm</p>	<p>RE 95073</p>
	<p><b>CONNECTOR RA133</b> PL258 double female connector for PL259 50 ohm</p>	<p>RE 95078</p>
	<p><b>CONNECTOR V9144</b> Male F connector for RG59/U 75 ohm</p>	<p>RE 95074</p>
	<p><b>CONNECTOR RA163</b> F/F female connector 75 ohm</p>	<p>RE 95075</p>
	<p><b>CONNECTOR RA156</b> TNC male connector for RG58/U 50 ohm</p>	<p>RE 95083</p>

# NMEA 2000® CABLES

GARMIN®

The NMEA network protocol was developed in the 1980s by the National Marine Electronics Association with the aim of offering a uniform standard for data transmission between devices of different types and from different manufacturers. For example, GPS, wind, depth, AIS, speed, engine and compass data can be transmitted between various Simrad, Garmin and Raymarine devices. For this purpose, however, a NMEA2000 interface is required on the related devices. The images, such as those of the radar and echo sounder, but also the contents of the maps, cannot be transmitted via the NMEA2000® protocol.



## NMEA 2000® CABLE EXTENSIONS

- 2 meter extension cable (6 ft)
- 4 meter extension cable (13 ft)
- 6 meter extension cable (19 ft)
- 10 meter extension cable (32 ft)

RE 83075  
RE 83076  
RE 83077  
RE 83078



## NMEA 2000® MULTI-PORT T-CONNECTOR

Make NMEA 2000 installations easier with our multi-port T-connector. This solution creates a more robust NMEA 2000 backbone by reducing issues with breaking points as well as stress induced by long back bones. The rigid construction is less prone to failure and decreases installation time.

RE 83079



## 4-PIN FEMALE TO 5-PIN MALE NMEA 2000® ADAPTER CABLE

Connect your compatible echoMAP™ CHIRP or ECHOMAP Plus chartplotter/sounder combo to a NMEA 2000 network with this 6 foot (2 meters) adapter cable.

RE 83080



## NMEA 2000® WEATHER CAP

Our weather cap protects the connector on your NMEA 2000 cable from the harsh marine environment.

RE 83081



## NMEA 2000® POWER ISOLATOR

Use our power isolator to ensure sources that could power the bus are separated properly during installation of the NMEA 2000 network.

RE83082



## NMEA 2000® STARTER KIT

Our starter kit has everything you need to build a basic NMEA 2000 network on your boat. The kit includes an NMEA 2000 drop cable (2 m), backbone cable (6 m), power cable (2 m), 2 T- connectors, and male and female terminator connectors.

RE 83083



## NMEA 2000® POWER CABLE

Supply power to your NMEA 2000 network with our 2 meter (6 ft) power cable.

RE 83084



## FUSION® RA70 SERIES MARINE STEREOS

The RA70 Series from Fusion® comprises three DIN-sized marine stereos, designed to deliver quality audio entertainment experiences on the water at value-packed price points.

Dimensions mm	Weight	Supply	Power Rms	Bluetooth®	Amplifier	Speakerph.	Code
60x188x123,5	556 g	10,8-16VCC	4x26 W	2,4 GHz	AB class	Yes	RE 83036

**All RA70 Series stereos contain:**

DIN mounting plate - Four 8-gauge, self-tapping screws - Power and speaker wiring harness  
Auxiliary-in, line-out, and subwoofer-out wiring harnesses - Documentation



## FUSION® MS-RA210 MARINE STEREO

The MS-RA210 compact marine stereo from Fusion® features a modern design aesthetic and built-in DSP technology for an optimized audio entertainment experience.

Dimensions mm	Weight	Supply	Power Rms	Bluetooth®	Amplifier	Speakerph.	Code
68x157x126,6	350 g	10,8-16VCC	4x26 W	2,4 GHz	D Class	Yes	RE 83037

**Package contents:**

Fusion MS-RA210 marine stereo - Mounting gasket - Four 6-gauge, self-tapping screws  
Two screw covers - Power and speaker wiring harness - Auxiliary-in, line-out, and subwoofer-out wiring harnesses - 2 meter (6 ft) NMEA 2000® drop cable - 6 ft (2 meter) NMEA 2000 drop cable - Documentation



## FUSION® MS-RA60 MARINE STEREO

The MS-RA60 is modern, compact and the most economical marine stereo from Fusion® yet.

Dimensions mm	Weight	Supply	Power Rms	Bluetooth®	Amplifier	Speakerph.	Code
68x156,9x103,2	316 g	10,8-16VCC	4x22 W	2,4 GHz	D Class	Yes	RE 83038

**Package contents:**

Fusion MS-RA60 marine stereo - Mounting gasket - Four 6-gauge, self-tapping screws - Two screw covers  
Power and speaker wiring harness - Auxiliary-in, line-out, and subwoofer-out wiring harnesses - Documentation



## FUSION® BB100 BLACK BOX

The Fusion MS-BB100 is a compact, value packed black box entertainment solution designed to save space at the helm.

Dimensions mm	Weight	Supply	Power Rms	Bluetooth®	Amplifier	Speakerph.	Code
68x156,9x103,2	316 g	10,8-16VCC	4x22 W	2,4 GHz	D Class	Yes	RE 83039

**Package contents:**

MS-BB100 media black box - IPX7 wired remote control - One remote control mounting nut (M56)  
One remote control mounting gasket - Four 8-gauge, mounting screws - Power and speaker wiring harness  
Auxiliary-in, line-out, and subwoofer-out wiring harness - 6 ft (2 meter) NMEA 2000® drop cable  
Documentation



## APOLLO™ SERIES



### FUSION® RA770

DESIGNED AND ENGINEERED TO TRUE-MARINE™ STANDARDS

Built on the True-Marine design philosophy from Fusion®, the Apollo RA770 stereo has an IPX6 and IPX7 rated water resistant front panel and has been tested to a high level of protection against salt, fog, temperature, vibration and UV.

MODERN DESIGN AND AESTHETICS

Providing uniformity across the helm, the brilliantly designed black front face blends seamlessly into black glass panels, complementing other electronics and MFDs for a tidy, uniform and elegant installation.



#### ONE-PIECE GLASS TOUCH DISPLAY

The premium glass touchscreen display is beautiful edge-to-edge. Simply tap or swipe the screen for stereo control without the hassle of trying to locate the right button.

Dimensions mm	Weight	Supply	Power	Bluetooth®	Amplifier	Speakerph.	Protection	Code
82x192 x119,4	750 g	10,8 - 16V CC	4x43W rms (2 Ohm) 4x26W rms (4 Ohm)	2,4 GHz	D Class	Yes	IPX6 / IPX7 (front panel only)	RE 83040



### FUSION® RA670

DESIGNED AND ENGINEERED TO TRUE-MARINE™ STANDARDS

Built on the True-Marine design philosophy from Fusion®, the Apollo RA670 stereo has an IPX6 and IPX7 rated water resistant front panel and has been tested to a high level of protection against salt, fog, temperature, vibration and UV.

MODERN DESIGN AND AESTHETICS

Providing uniformity across the helm, the brilliantly designed black front face blends seamlessly into black glass panels, complementing other electronics and MFDs for a tidy, uniform and elegant installation.



#### FREEDOM OF CHOICE TO LISTEN TO WHAT YOU WANT

Take advantage of the many source options available, including AirPlay 2 feature1, BLUETOOTH® technology, UPnP1, optical audio, advanced SiriusXM® features, DAB+ radio, AM/FM radio, AUX and USB connections.

Dimensions mm	Weight	Supply	Power	Bluetooth®	Amplifier	Speakerph.	Protection	Code
82x192 x119,4	750 g	10,8 - 16V CC	4x43W rms (2 Ohm) 4x26W rms (4 Ohm)	2,4 GHz	D Class	Yes	IPX6 / IPX7 (front panel only)	RE 83041



### FUSION® WB670

DESIGNED AND ENGINEERED TO TRUE-MARINE™ STANDARDS

Built on the True-Marine design philosophy from Fusion®, the Apollo WB670 stereo has been tested to a high level of protection against salt, fog, temperature, vibration and UV.

COMPACT DESIGN

Designed to save space at the helm, Apollo WB670 can be hidden away in the dash or mounted in a variety of areas such as storage lockers, inside helm consoles and other concealed compartments.

Dimensions mm	Weight	Supply	Power	Bluetooth®	Amplifier	Protection	Code
130x130x55	475 g	10,8 - 16V CC	4x43W rms (2 Ohm) 4x26W rms (4 Ohm)	2,4 GHz	D Class	IPX6 / IPX7 (front panel only)	RE 83042



### FUSION® ARX WIRELESS REMOTE

Enjoy the freedom to control your audio entertainment from anywhere around your boat with the ARX wireless remote. Whether you're fishing at the transom or about to jump from the swim platform into the water – audio control is within reach any time, anywhere.

Dimensions	Weight	Battery type	Wireless range	Radio frequency	Operating temp.	Protection	Code
65x10,8 mm	30 g	CR2032	10 m	2,4 GHz	from 0° to 50° C	IPX6/IPX7	RE 83043



## AMAGNETIC SPEAKER

Splash-proof and saline resistant  
Grille reinforced white ABS and corrosion resistant - Stainless steel screw included



Model	Dimensions mm	Impedance	Max power RMS	Max power peak	Inlet hole mm	Max thickness mm	Code
2 vie	Ø 135	4 ohm	30 W	60 W	Ø 104	54	RE83016
2 vie	Ø 150	4 ohm	40 W	80 W	Ø 114	56	RE83017
2 vie	Ø 185	4 ohm	50 W	100 W	Ø 134	65	RE83018



## FUSION® SIGNATURE SERIES 3 MARINE SPEAKERS

Pushing the boundaries of what is possible on the water, the new revamped Signature Series 3 marine speakers deliver unparalleled performance even when exposed to harsh marine environments.



Model	Dimensions mm	Nominal impedance	Max power Rms	Max power peak	Inlet hole mm	Max depth mm	Code
SG-F652W	Ø 200x103	4 ohms	75 W	230 W	Ø 136	79	RE 83001
SG-F772W	Ø 220x109,5	4 ohms	100 W	280 W	Ø 156	86	RE 83002
SG-F882W	Ø 247x131,5	4 ohms	130 W	330 W	Ø 188	106	RE 83003



## FUSION® XS SERIES MARINE SPEAKERS

Enjoy high-performance acoustics, enhanced protection from the environment all at a midrange price point with the XS Series speakers from Fusion.



Model	Dimensions mm	Nominal impedance	Max power Rms	Max power peak	Inlet hole mm	Max depth mm	Code
XS-F40CWB	Ø 135x68	4 ohms	30 W	120 W	Ø 99	54	RE 83004
XS-F65CWB	Ø 177x81	4 ohms	50 W	200 W	Ø 135	67	RE 83005
XS-F77CWB	Ø 196x94	4 ohms	60 W	240 W	Ø 162	77	RE 83006



## FUSION® FM SERIES MARINE SPEAKERS

The Fusion FM Series speakers are engineered to deliver quality acoustics to your boat and have a sleek and minimalistic aesthetic to match modern boat design trends.



Model	Dimensions mm	Nominal impedance	Max power Rms	Max power peak	Inlet hole mm	Max depth mm	Code
FM-F65SW	153x153x69,6	4 ohms	30 W	120 W	138x138	70	RE 83007
FM-F77SW	181x181x82,9	4 ohms	50 W	200 W	165x165	83	RE 83008

# MARINE SPEAKERS ACCESSORIES



## FUSION® APOLLO™ MARINE AMPLIFIERS

These efficient, easy-to-install amplifiers work with your compatible Fusion stereo system and let you choose from monoblock, multichannel and zone amplifier options.

### FUSION® SERIE APOLLO™ MS-AP4

4 Channel Marine Amplifier (150 watt RMS per Channel)



Channels	Operating voltage	Peak power	RMS power (2 ohm)	RMS power (4 ohm)	Amplifier	Dimensions mm (DxLxH)	Code
4	10,8-16V DC	1200 W	4x290 W	4x150 W	D Class	62x231,6x235	RE 83009



### FUSION® SERIE APOLLO™ MS-AP6

6 Channel Marine Amplifier (150 watt RMS per Channel)



Channels	Operating voltage	Peak power	RMS power (2 ohm)	RMS power (4 ohm)	Amplifier	Dimensions mm (DxLxH)	Code
6	10,8-16V DC	1800 W	6x290 W	6x150 W	D Class	62x297x229,3	RE 83010



### FUSION® SERIE APOLLO™ MS-AP8

8 Channel Marine Amplifier (150 watt RMS per Channel)



Channels	Operating voltage	Peak power	RMS power (2 ohm)	RMS power (4 ohm)	Amplifier	Dimensions mm (DxLxH)	Code
8	10,8-16V DC	2400 W	8x290 W	8x150 W	D Class	62x359x229	RE 83011



### PROTECTION BOX

Water and salt resistant.  
Front panel in polycarbonate.  
Automatic soft opening.  
Plastic cover.  
Easy to install.

RE 83023



### DOCK FOR IPOD/MP3/IPHONE

Water, salt and corrosion resistant.  
Amplifier included.  
Mounting bracket included.

RE 83022



### PROTECTION BOX

Resistant to collisions, UV, fully watertight, dark grey pleaxiglass, advanced design.  
Spring closure with cover (there is a gasket for making it completely waterproof).  
Dimensions: 231x 102 x 50 mm.

RE 83045

# 23 CHEMICAL PRODUCTS



- 2-26 ELECTRO
- MARINE 6-66
- Long Term Protection Marine
- Adhesive grease
- Cleansing (detergent)
- Deoxidizing for contacts
- Lubricating for contacts
- Copper paste
- Motors start
- Lithium white grease
- Nautical blue grease
- Technical vaseline grease
- Technical vaseline oil
- Gasket 260° C black
- Gasket 343° C red



# 23

## REBAMARINE

NAUTICAL EQUIPMENT



### 2-26 ELECTRO

Water repelling - anti - electrical loss - not insulating.  
Dampness ejection, eliminate short circuit and current dispersion due electrolyte  
It doesn't affect the conductivity of electric contacts, cleans.

Aerosol - 250 ml  
Aerosol - 500 ml  
Drum - 20 Lt

RE 31025  
RE 31026  
RE 31028



### MARINE 6-66

Specific protection against corrosion and short circuiting. Water-repelling.  
It doesn't affect the conductivity of the electric contacts. It unlocks, cleans and lubricates.

Aerosol - 200 ml  
Aerosol - 400 ml  
Can - 5 Lt  
Drum - 20 Lt

RE 31022  
RE 31001  
RE 31000  
RE 31024



### LTPM (LONG TERM PROTECTION MARINE )

Uncorrosive protection long-lasting for marine equipment.  
It protects against corrosion of the alloy steel and not steel.

Aerosol - 400 ml  
Tin - 20 Lt

RE 31030  
RE 31032



### ADHESIVE GREASE

It sticks. It lubricates. It's powerful waterproof.  
It protects against corrosion. It can't be removed by water or steam.

Aerosol - 200 ml  
Aerosol - 400 ml

RE 31033  
RE 31002



### DETERGENT FOR ELECTRONIC INSTRUMENT

Pure solvent and detergent for electronic systems, instruments, etc.  
It eliminated dust, oil, condenses and other kind of dirt.

Aerosol - 300 ml

RE 31003



### DETERGENT FOR ELECTRONIC

It eliminates dust, oil, condenses, residual of manual contact, invisible circuit contamination,  
components with tension contacts and specific low pressure.

Aerosol - 200 ml

RE 31011



### PRODUCT FOR REMOVING OXYDATION FROM CONTACTS

It eliminates the carbon deposit.  
It deterges. It desulphorates. It reduces the electronic resistance of the transition between contacts.  
It reduces the glitter, the craterisation, the electronic resistance and the voltage drops.

Aerosol - 200 ml

RE 31004



### LUBRICANT FOR CONTACTS

Lubricant and protection for electric al systems.  
No isolation, no short circuit, it cleans and protect against corrosion.  
It cleans and lubricates the movable part of cursors, connectors, switches and so on.  
It avoids the oxidation and the blockage of clamps, plugs, threaded connections.

Aerosol - 200ml

RE 31005



### COPPER PASTE

It doesn't seize up the low and high temperature.  
This specific additive prevent the corrosion towards aluminium.  
Application: spline, ribbed pique, nut, studs, threading screw cap, flange, so on.

Can 500 - ml

RE 31034





### GEL CYANOACRYLATE

Universal cyanoacrylate adhesive  
Suitable to glue on vertical surface  
It doesn't leak

Bottle 20 g

RE 31035



### MEDIUM THREAD BLOCKER

It replaces washers and self-locking nuts  
It blocks nuts and bolts  
It seals pneumatic or hydraulic joints  
It allows the dismantlement with ordinary tools  
It doesn't leak

Bottle 10 g  
Bottle 50 g  
Bottle 250 g

RE 31036  
RE 31037  
RE 31038



### CABLE PULLING LUBRICANT

It helps to slide electric cables through corrugated pipes  
It keeps the lubricating effect for the whole time needed to insert cables  
It does not oxidise and it does not isolate cable terminals  
Removable with water

Bottle 1 l

RE 31039



### CLEANING FOAM FOR METAL SURFACES

Water-based cleaner suitable for stainless steel, aluminium, platings, most part of plastics  
It covers with a protective, not oily veil  
No dilution necessary, not corrosive, cfc free  
It cleans stainless steel polished, matt, satin-finished surfaces

Aerosol 500 ml

RE 31040



### LABEL UNSTICKER

It melts glue from stickers and labels in 2-3 min  
It takes away every adhesive trace from labels  
Supplied with 360° sprinkle valve

Aerosol 200 ml

RE 31041



### SILICONIC OIL

Water repelling, anti adhesive, lubricating  
It protects metals and rubber, electric insulating  
Unalterable, inert and eco-friendly  
It prevents from metal oxidation

Aerosol 200 ml  
Aerosol 400 ml

RE 31042  
RE 31043










### TEFLON DRY LUBRICANT

Anti seizing up, anti friction, water repelling  
It is not affected by moisture and brackish  
Not removable with water, it does not stain  
Suitable for wooden and plastic materials, metal and rubber  
It leaves a colourless, thin, continuous, flexible film  
It lubricates loglines, cables, sticks, hinges, runners

Aerosol 400 ml

RE 31044



	<p><b>MOTOR STARTER</b> It makes the starter of gas or diesel motors very easy. It avoids the battery to heavy loads or to exhaust. It lubricates the cylinder sides, protect from corrosion and avoids the dilution from motor's oil. It stands mechanical wear and tear.</p> <p>Packing - 200 ml</p>	<p>RE 31006</p>
	<p><b>LITHIUM WHITE GREASE</b> White lubricant with titanium, zinc and lithium base. It comes applied on pivot, bearing, inside and outside board, rudder and so on.</p> <p>Tube - 125 ml Tin - 500 ml Tin - 1000 ml</p>	<p>RE 31018 RE 31019 RE 31020</p>
	<p><b>UNCORROSIVE LUBRICANT</b> Semisynthetic grease very adhesive and waterproof, it doesn't come removed by the rain and by sweet or sea water jet, or by centrifugal force. Makes tin the threaded closures. It is indicated for long lasting lubrication and protection of all board implement.</p> <p>Tube - 125 ml Tin - 500 ml</p>	<p>RE 31016 RE 31017</p>
	<p><b>TECHNICAL VASELINE GREASE</b> Protective and colourness lubricant, inert and ecologic. Adherent and persistent for tools and machine tool, transmission, threaded closures. It protects wood making it water resistant. Anti adhesive for gaskets and closures. Removable with off greasing detergent.</p> <p>Tube - 125 ml Tin - 500 ml Tin - 1000 ml Pail - 5000 ml</p>	<p>RE 31007 RE 31013 RE 31014 RE 31015</p>
	<p><b>VASELINE OIL</b> Lubricant, protective, colourless, inert and ecological. It protect metals from corrosion and facilitates mechanic parts blockage. Makes wood waterproof. Very practical because is spray solution.</p> <p>Aerosol - 200 ml Aerosol - 400 ml</p>	<p>RE 31012 RE 31008</p>
	<p><b>BLACK 260°C GASKET</b> Black siliconic gasket fast sealing. It substitutes the previous gaskets. Resist to chemical alterations and mechanical deformations provoked by thermal cycles with maximum temperature up to 260°. It assures the seal and seals the eventual looses between high pressure mechanical working elements. Excellent water, oils, mineral oils resistant.</p> <p>Packing - 85 g</p>	<p>RE 31009</p>
	<p><b>343° RED GASKET</b> It substitutes the previous gaskets. It can resist up to 343° C. It seals perfectly different mechanical surfaces exposed to high temperatures. It creates gasket of different shapes, resistant to mechanical or chemical agents, strong and elastic. Excellent water, mineral or synthetic oil resistant.</p> <p>Packing - 85 g</p>	<p>RE 31010</p>



## **GENERAL SALES CONDITIONS**

### **Price:**

The prices are undemanding.

They can be changed in any moment and without notice.

The prices are ex warehouse, packing and VAT excluded.

### **Orders:**

For avoiding mistakes or misunderstandings, you should attain to our reference numbers.

We don't accept disputes for orders made by phone.

Minimum of order: NET €150

### **Shipments:**

The goods, even if sent freight paid or free delivered to the buyer's premises, travel at the risk and responsibility of the buyer;

all our responsibility ceases upon delivery of goods to the carrier.

After the buyer has inspected the goods, any claims such as loss, breakage, damages and delays should be made to the carrier.

If a particular courier is not specified in the order,

we reserve the right to choose the most suitable shipment.

### **Returned goods:**

The returned goods have to be authorised and send with a covering letter with the reference number we will give you.

The shipment has to be prepaid.

No complaints will be accepted within 8 days after the goods reception

### **Guarantee:**

Not included in the guarantee: damages or breakage due to the transportation; problems due to wrong installations,

inaccurate interventions or assumed troubles: problems or damages caused by improper use.

### **Disputes:**

Any dispute jurisdiction shall rest with Genoa Court of Law.

# CATALOGUE 2022



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