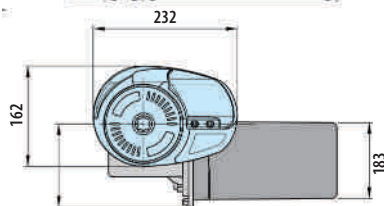
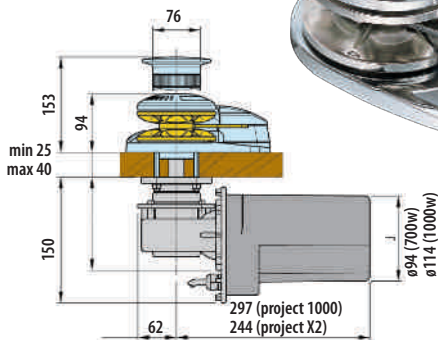
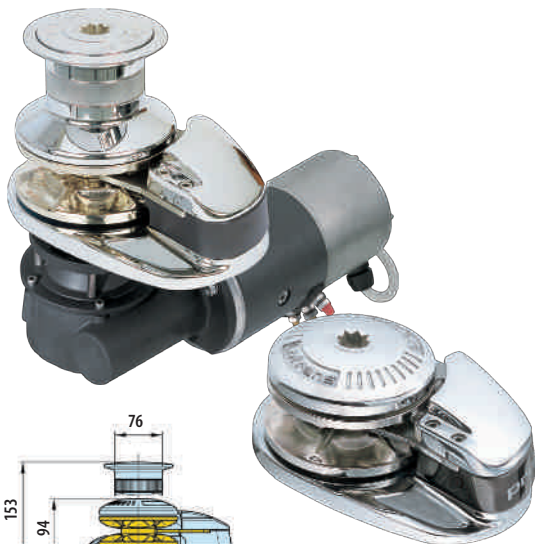
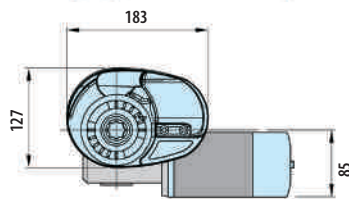
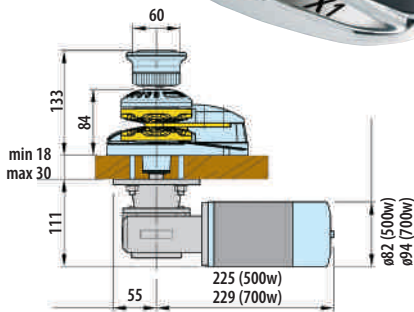




NEW



Project X

Series Project X is made up, by four models: X1 - X2 - X3 and X4, that are available in low profile or with drum versions. These are the main features that are common to all the models:

- Project X Plus models manufactured in stainless steel
- Hand polished and chromed bronze finish
- Choice between two motors of different power
- Base, drum, gipsy and other part are hot forged, so better performance from the mechanical and aesthetic view
- Base with stainless steel bearing
- Gearboxes of our production made with specific marine corrosions resistant materials
- Electric motors with high torque, specifically designed for windlasses.

Project X1

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	500W - 12v	6	12	14-16 min	40-60	550 kg	10 kg	472880
Drum	500W - 12v	6	12	14-16 min	40-60	550 kg	10 kg	472881
Low Profile	500W - 12v	8	12	14-16 min	40-60	550 kg	10 kg	187269
Drum	500W - 12v	8	12	14-16 min	40-60	550 kg	10 kg	187270
Low Profile	700W - 12v	8	12	15-18 mt/min	50-70	700 kg	11 kg	473002
Drum	700W - 12v	8	12	15-18 mt/min	50-70	700 kg	11 kg	473003

Project X2

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	700W - 12v	8	16	16-22 min	60-90 (12v)	700 kg	19 kg	472861
Drum	700W - 12v	8	16	16-22 min	60-90 (12v)	700 kg	19 kg	472862
Low Profile	700W - 12v	10	16	16-22 min	60-90 (12v)	700 kg	19 kg	473211
Drum	700W - 12v	10	16	16-22 min	60-90 (12v)	700 kg	19 kg	473210
Low Profile	1000W - 24v	6	16	18-24 min	40-60 (24v)	950 kg	20 kg	187271
Drum	1000W - 24v	6	16	18-24 min	40-60 (24v)	950 kg	20 kg	187242
Low Profile	1000W - 12v	8	16	18-24 min	70-110 (12v)	950 kg	20 kg	473212
Drum	1000W - 12v	8	16	18-24 min	70-110 (12v)	950 kg	20 kg	473212
Low Profile	1000W - 12v	10	16	18-24 min	70-110 (12v)	950 kg	20 kg	472864
Drum	1000W - 12v	10	16	18-24 min	70-110 (12v)	950 kg	20 kg	472863
Low Profile	1000W - 24v	10	16	18-24 min	40-60 (24v)	950 kg	20 kg	473226
Drum	1000W - 24v	10	16	18-24 min	40-60 (24v)	950 kg	20 kg	473227
Low Profile	1200W - 12v	10	16	18-24 min	80-120 (12v)	1100 kg	20 kg	187273
Drum	1200W - 12v	10	16	18-24 min	80-120 (12v)	1100 kg	20 kg	187274
Low Profile	1200W - 24v	10	16	18-24 min	50-70 (24v)	1100 kg	20 kg	187275
Drum	1200W - 24v	10	16	18-24 min	50-70 (24v)	1100 kg	20 kg	187276

Project X2 'Plus' Stainless Steel

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	700W - 12v	8	16	16-22 min	60-90 (12v)	700 kg	19 kg	187277
Drum	700W - 12v	8	16	16-22 min	60-90 (12v)	700 kg	19 kg	187278
Low Profile	700W - 12v	10	16	16-22 min	60-90 (12v)	700 kg	19 kg	187279
Drum	700W - 12v	10	16	16-22 min	60-90 (12v)	700 kg	19 kg	187280
Low Profile	700W - 24v	10	16	16-22 min	40-55 (24v)	700 kg	19 kg	187281
Drum	700W - 24v	10	16	16-22 min	40-55 (24v)	700 kg	19 kg	187282
Low Profile	1000W - 12v	8	16	18-24 min	70-110 (12v)	950 kg	20 kg	187283
Drum	1000W - 12v	8	16	18-24 min	70-110 (12v)	950 kg	20 kg	187284
Low Profile	1000W - 12v	10	16	18-24 min	70-110 (12v)	950 kg	20 kg	187285
Drum	1000W - 12v	10	16	18-24 min	70-110 (12v)	950 kg	20 kg	187286
Low Profile	1000W - 24v	10	16	18-24 min	40-60 (24v)	950 kg	20 kg	187287
Drum	1000W - 24v	10	16	18-24 min	40-60 (24v)	950 kg	20 kg	187288
Low Profile	1200W - 12v	10	16	18-24 min	80-120 (12v)	1100 kg	20 kg	187289
Drum	1200W - 12v	10	16	18-24 min	80-120 (12v)	1100 kg	20 kg	187290
Low Profile	1200W - 24v	10	16	18-24 min	50-70 (24v)	1100 kg	20 kg	187291
Drum	1200W - 24v	10	16	18-24 min	50-70 (24v)	1100 kg	20 kg	187292



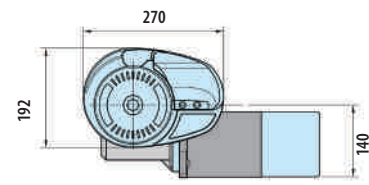
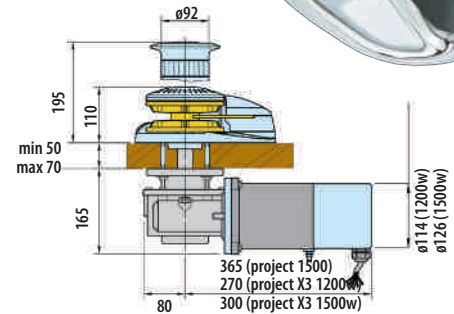
Project X3

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	1200W - 12v	10	18	16-22 min	80-120 (12v)	1100 kg	28 kg	472866
Drum	1200W - 12v	10	18	16-22 min	80-120 (12v)	1100 kg	28 kg	472865
Low Profile	1200W - 24v	10	18	16-22 min	50-70 (24v)	1100 kg	28 kg	473218
Drum	1200W - 24v	10	18	16-22 min	50-70 (24v)	1100 kg	28 kg	473228
Low Profile	1500W - 12v	10	18	18-24 min	90-130 (12v)	1500 kg	31 kg	473209
Drum	1500W - 12v	10	18	18-24 min	90-130 (12v)	1500 kg	31 kg	473208
Low Profile	1500W - 24v	10	18	18-24 min	50-80 (24v)	1500 kg	31 kg	473256
Drum	1500W - 24v	10	18	18-24 min	50-80 (24v)	1500 kg	31 kg	473252
Low Profile	1500W - 12v	12	20	18-24 min	90-130 (12v)	1500 kg	31 kg	472842
Drum	1500W - 12v	12	20	18-24 min	90-130 (12v)	1500 kg	31 kg	473004
Low Profile	1500W - 24v	12	20	18-24 min	50-80 (24v)	1500 kg	31 kg	473006
Drum	1500W - 24v	12	20	18-24 min	50-80 (24v)	1500 kg	31 kg	473005



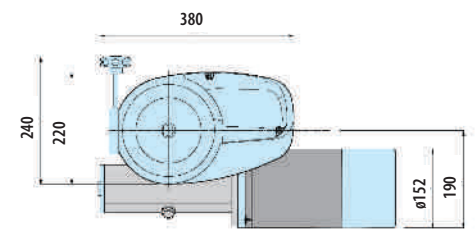
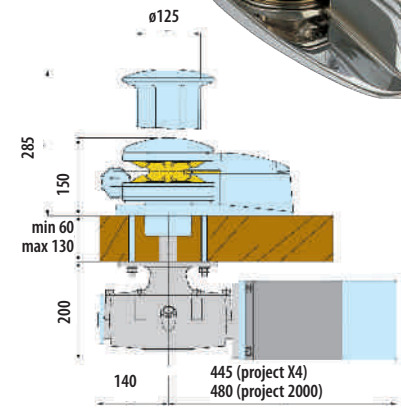
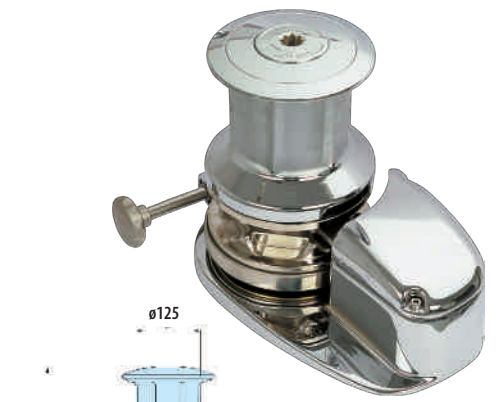
Project X3 - "Plus" Stainless Steel

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	1200W - 12v	10	18	16-22 min	80-120 (12v)	1100 kg	28 kg	187293
Drum	1200W - 12v	10	18	16-22 min	80-120 (12v)	1100 kg	28 kg	187294
Low Profile	1200W - 24v	10	18	16-22 min	50-70 (24v)	1100 kg	28 kg	187295
Drum	1200W - 24v	10	18	16-22 min	50-70 (24v)	1100 kg	28 kg	187296
Low Profile	1500W - 12v	10	18	18-24 min	90-130 (12v)	1500 kg	31 kg	187297
Drum	1500W - 12v	10	18	18-24 min	90-130 (12v)	1500 kg	31 kg	187298
Low Profile	1500W - 24v	10	18	18-24 min	50-80 (24v)	1500 kg	31 kg	187299
Drum	1500W - 24v	10	18	18-24 min	50-80 (24v)	1500 kg	31 kg	187300
Low Profile	1500W - 12v	12	20	18-24 min	90-130 (12v)	1500 kg	31 kg	187301
Drum	1500W - 12v	12	20	18-24 min	90-130 (12v)	1500 kg	31 kg	187302
Low Profile	1500W - 24v	12	20	18-24 min	50-80 (24v)	1500 kg	31 kg	187303
Drum	1500W - 24v	12	20	18-24 min	50-80 (24v)	1500 kg	31 kg	187304



Project X4

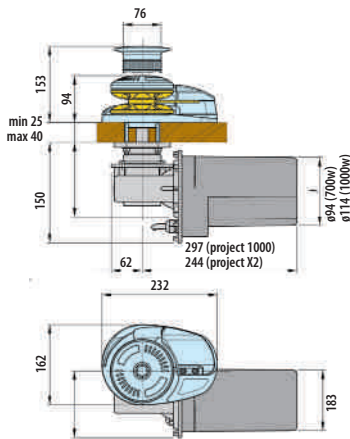
Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Low Profile	2000W - 24v	12	-	18-24 min	90-110	1800 kg	72 kg	473007
Drum	2000W - 24v	12	-	18-24 min	90-110	1800 kg	72 kg	473423
Low Profile	2500W - 24v	14	-	18-24 min	100-120	2000 kg	72 kg	472848
Drum	2500W - 24v	14	-	18-24 min	100-120	2000 kg	72 kg	472849



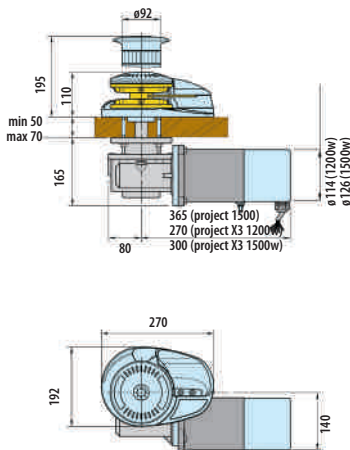


NEW

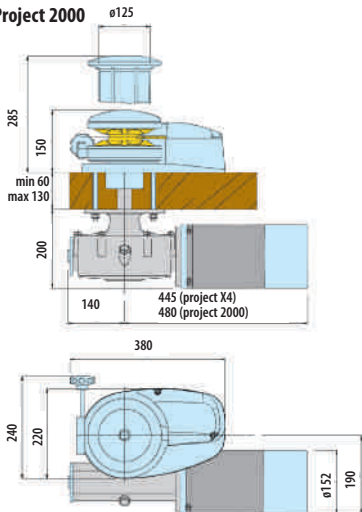
Project 1000



Project 1500



Project 2000



Project 1000, 1500, 2000

The difference compared with the Project series is determined by electric motor only, which is traditional. It offers the opportunity for choice between two motors of different power.

- Windlass covered by International Patent No WO 01/87763
- Electrical connection is now extremely easy: inside the motor, duly protected, there are two solenoids, the magnet and the sensor, to show how many metres of chain have been lowered
- Operation with two different remote chain counters: one with the cable and the other one radio controlled (without cable), plus all the usual controls.
- High torque electric motor (more than 1500 Watt for short periods of operation), with differentiated speeds for lowering, clamp for emergency operation of the windlass in case of solenoid failure.

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Project 1000								
low profile	1000W - 12v	8	16	18-24 min	70-110	950kg	21kg	220153
drum	1000W - 12v	8	16	18-24 min	40-60	950kg	21kg	220159
low profile	1000W - 12v	10	16	18-24 min	70-110	950kg	21kg	471022
drum	1000W - 12v	10	16	18-24 min	40-60	950kg	21kg	428419
low profile	1000W - 24v	10	16	18-24 min	70-110	950kg	21kg	473280
drum	1000W - 24v	10	16	18-24 min	40-60	950kg	21kg	471023
Project 1500								
low profile	1500W - 12v	8	16	18-24 min	90-130	1500kg	32kg	187311
drum	1500W - 12v	8	16	18-24 min	50-80	1500kg	32kg	187312
low profile	1500W - 12v	10	18	18-24 min	90-130	1500kg	32kg	472401
drum	1500W - 12v	10	18	18-24 min	50-80	1500kg	32kg	472400
low profile	1500W - 24v	10	18	18-24 min	90-130	1500kg	32kg	187313
drum	1500W - 24v	10	18	18-24 min	50-80	1500kg	32kg	187314
low profile	1500W - 24v	12	20	18-24 min	90-130	1500kg	32kg	187315
drum	1500W - 24v	12	20	18-24 min	50-80	1500kg	32kg	187316
Project 2000								
oval	2000W - 24v	12	-	18-24 min	90-110	1800kg	73kg	472748
oval + drum	2000W - 24v	12	-	18-24 min	90-110	1800kg	73kg	472749

Project 1000 & 1500 "Plus" Stainless Steel

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Project 1000 Plus								
low profile	1000W - 12v	8	16	18-24 min	70-110	950kg	21kg	187305
drum	1000W - 12v	8	16	18-24 min	40-60	950kg	21kg	187306
low profile	1000W - 12v	10	16	18-24 min	70-110	950kg	21kg	187307
drum	1000W - 12v	10	16	18-24 min	40-60	950kg	21kg	187308
low profile	1000W - 24v	10	16	18-24 min	70-110	950kg	21kg	187309
drum	1000W - 24v	10	16	18-24 min	40-60	950kg	21kg	187310
Project 1500 Plus								
low profile	1500W - 12v	8	16	18-24 min	90-130	1500kg	32kg	187317
drum	1500W - 12v	8	16	18-24 min	50-80	1500kg	32kg	187318
low profile	1500W - 12v	10	18	18-24 min	90-130	1500kg	32kg	187319
drum	1500W - 12v	10	18	18-24 min	50-80	1500kg	32kg	187320
low profile	1500W - 24v	10	18	18-24 min	90-130	1500kg	32kg	187321
drum	1500W - 24v	10	18	18-24 min	50-80	1500kg	32kg	187322
low profile	1500W - 24v	12	20	18-24 min	90-130	1500kg	32kg	472747
drum	1500W - 24v	12	20	18-24 min	50-80	1500kg	32kg	472746

Lofrans[®]
WINDLASSES

Royal - Manual, Double Action Anchor Windlass

- Double action lever operated
- Compact
- Quick release clutch
- Polished anodised sea water resistant alloy
- Suitable for boats up to 12m

Chain	Haulage speed	Current draw	Max. pull	Weight	Part No.
6mm		-	200 kg	9 kg	187323
8 mm		-	200 kg	9 kg	404725
10 mm		-	200 kg	9 kg	220002

Dorado

- Compact, horizontal
- Reversing motor
- Power or manual down
- Sea water resistant light alloy
- Suitable for boats up to 10m

Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
500 - 12v	6	12 - 14	18 min	30-50	550 kg	7 kg	409568
700 - 12v	8	12 - 14	18 min	60-80	650 kg	9 kg	409569

Kobra

- Compact, horizontal
- Reversing motor
- Power or manual down
- Rope drum
- Sea water resistant light alloy
- Suitable for boats up to 13m

Versions	Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
Lever	700W - 12v	8	-	17 min	60-90	700 kg	18 kg	220248
Lever	1000W - 12v	8	-	20 min	70-100	900 kg	19 kg	220260
Lever	1000W - 12v	10	-	20 min	70-100	900 kg	19 kg	428747
Lever	1000W - 24v	10	-	20 min	40-60	900 kg	19 kg	220420

Cayman 88

- Popular horizontal
- Power or manual down, reversing motor
- Motor and gear box above deck
- Independent rope drum
- Emergency manual operation
- Suitable for boats up to 13m

Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
700W - 12v	8	-	17 min	60-90	700 kg	20 kg	220273
1000W - 12v	8	-	20 min	70-100	900 kg	21 kg	220279
1000W - 12v	10	-	20 min	70-100	900 kg	21 kg	419723
1000W - 12v	10	-	20 min	70-100	900kg	21kg	187324

Tigres

- Powerful horizontal
- Reversing motor
- Motor and gear box above deck
- Oil level sight glass
- Independent rope drum
- Suitable for boats up to 14m

Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
1200W - 12v	8	-	22 min	80-110	1100 kg	24 kg	418407
1200W - 24v	8	-	22 min	50-60	1100 kg	24 kg	418409
1200W - 12v	10	-	22 min	80-110	1100 kg	24 kg	470060
1200W - 24v	10	-	22 min	50-60	1100 kg	24 kg	220290

Falcon

- High powered horizontal
- Reversing motor
- Manual sight glass
- Wheel operated brake
- Independent rope gypsy
- Suitable for boats up to 18m

Electric Motor	Chain	Rope	Haulage speed	Current draw	Max. pull	Weight	Part No.
1500W - 12v	10	-	17 min	90-120	1600 kg	47 kg	220293
1500W - 24v	10	-	17 min	90-120	1600 kg	47 kg	418511
1500W - 12v	12	-	17 min	50-70	1600 kg	47 kg	404732
1500W - 24v	12	-	17 min	50-70	1600 kg	47 kg	404733



NEW



Lofrans!
WINDLASSES



NEW



Titan A, B & C

Designed for boats 18 to 24 mtrs the Titan range of robust units are equipped with powerful 2000W reversing motors. Titan "A" version is supplied with 1 drum and 1 gypsy, "B" version is supplied with 1 drum and 2 gypsies and "C" version 2 drums and 1 gypsy. A 3phase AC powered motor is also available. Finished in polished anodised aluminium or white polyester coated.

Ercole A, B, C & Super (White only)

The Ercole range are fitted with 24V 3500W reversing motors suitable for large vessels up to 32mtrs and 36 mtrs for the Super Ercole and providing a maximum pull of 3500kg. 3 Phase AC motors are also available. Multiple gypsy and drum configurations are offered similar to the Titan range. The case is manufactured from salt water resistant alloy finished with a white polyester coating.



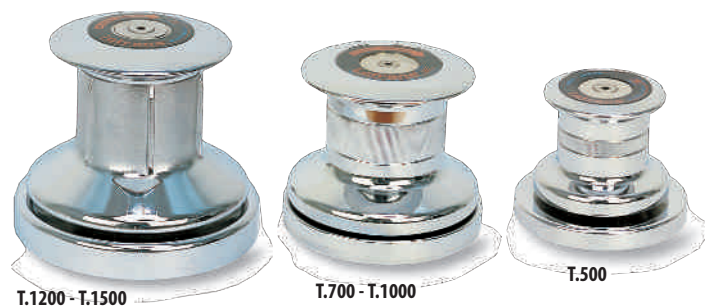
Vertical Ercle

The Vertical Ercle has a chromed bronze base, drum and chain pipe with a nickel plated gypsy. This high quality construction with brake and other components in stainless steel provides exceptionally high mechanical strength. A 3500W 24V motor gives a maximum pull of 3500kg that makes this windlass ideal for boats from 24mtrs to super yachts at 34mtrs.

To receive a quotation for Titan, Ercle, Super Ercle and Vertical Ercle to your particular specification please call our sales desk.

CAPSTANS

Capstans are normally installed on the stern side of the boat for warping operations. The construction and the mechanics are the same as the vertical anchor windlasses. All bases and drums are in chromed bronze with the exception of the 3500W model in stainless steel.



T.1200 - T.1500

T.700 - T.1000

T.500



T.2000

Versions	Electric Motor	Drum (mm)	Haulage speed	Max. pull	Weight	Part No.
T.500	500W - 12v	60	10-14 min	550 kg	9 kg	409130
T.700	700W - 12v	92	12-16 min	700 kg	17 kg	220006
T.700	700W - 24v	92	12-16 min	700 kg	17 kg	418159
T.1000	1000W - 12v	92	14-18 min	900 kg	18 kg	417946
T.1000	1000W - 24v	92	14-18 min	900 kg	18 kg	187325
T.1200	1200W - 12v	104	15-18 min	1100 kg	25 kg	220014
T.1200	1200W - 24v	104	15-18 min	1100 kg	25 kg	418161
T.1500	1500W - 12v	104	16-19 min	1500 kg	28 kg	472407
T.1500	1500W - 24v	104	16-19 min	1500 kg	28 kg	187326
T.2000	2000W - 24v	125	16-19 min	1800 kg	60 kg	404967
T.2500	2500W - 24v	125	16-19 min	2000 kg	65 kg	476239
T.3500 (s/s)	3500W - 24v	150	10-14 min	3000 kg	140 kg	423284

ACCESSORIES

Radio Control Type "Mistral"

- Specifically designed for the marine environment
- Allows you to have the widest freedom of movement when operating the anchor windlass on board the vessel
- Electronic signal reception card is suitably protected
- Safety power key that has to be pressed for 3 seconds before operating to prevent accidental operation

Part No.	477105
----------	--------

Liberty

- New handheld remote control model
- Elegant and functional design
- The soft rubber casing around the outside allows safe handling in all weathers
- Waterproof case with a waterproof plug and socket (IP68)
- Expanding cable, allowing maximum freedom when anchoring

Part No.	477651
----------	--------

Liberty 3

- Same as the Liberty but with 3 function buttons
- The third button is useful to operate a wash down pump for the chain.

Part No.	187327
----------	--------

Nautilux

- New handheld remote chain counter model
- Specifically designed to give the greatest control while anchoring with the windlass
- Reliable and practical instrument
- Waterproof
- Provided with a high tech microprocessor that offers full control when anchoring.

Part No.	476368
----------	--------

Polaris

- Fly bridge chain counter
- Elegant and ergonomic design that makes it suitable for all types of boat
- It is supplied with evolved microprocessor, with different operations allowing for optimum anchoring control.

Part No.	473216
----------	--------

EASY CHAIN SYSTEM 3000

Evenly distributes chain in the chain locker preventing piling up. Chain back up is therefore eliminated improving the operation of the windlass. The adjustable, oscillating chain tube starts automatically with the operation of the windlass and spreads the chain into the deepest parts of the chain locker. Installation is simple using two support brackets and can be fitted into most chain lockers. Available in 12v/24v dual voltage. Accepts chain 6mm to 10mm.

Part No.	57507
----------	-------

Lofrans[®]
WINDLASSES

NEW



Lofrans
WINDLASSES

NEW



Electric Foot Switch

- Easy installation
- Foot operated switch
- Stainless steel switch body
- Fitted with hinged flap cover, shock resistant
- The anti-slip button is sea-water wear and tear resistant
- Available in black or red

Part No.	Description
187329	Black
187328	Red

Up Down Toggle Switch Type "L"

- Flush mount switch panel
- Rubber booting toggle switch
- Dimensions of panel: 85 x 50 mm

Part No.	404728
----------	--------

Up Down Rocker Switch Type "C"

- Modern and practical design
- Watertight
- Supplied with a case for easy installation

Part No.	187338
----------	--------

Circuit Breakers

- The hydraulic magnet circuit breaker is an essential component as it intervenes in case of short circuit or irregular operation of windlass motors.
- The thermal circuit breaker is supplied with an elegant mounting panel.

Part No.	Protection
187331	35A
187332	70A
187333	100A
187334	125A

Control Boxes

- Allows operation of electric motors of windlasses.
- Two solenoids are enclosed inside a special sea water resistant container.

Part No.	Motors	Volt
409670	700W, 1000W, 1200W	12v
220339	1500	12v
409671	700W, 1000W, 1200W	12v
187330	1500W	24v
220340	2000W	24v
105512	500W	12v
414574	500W - 2500W	24v