

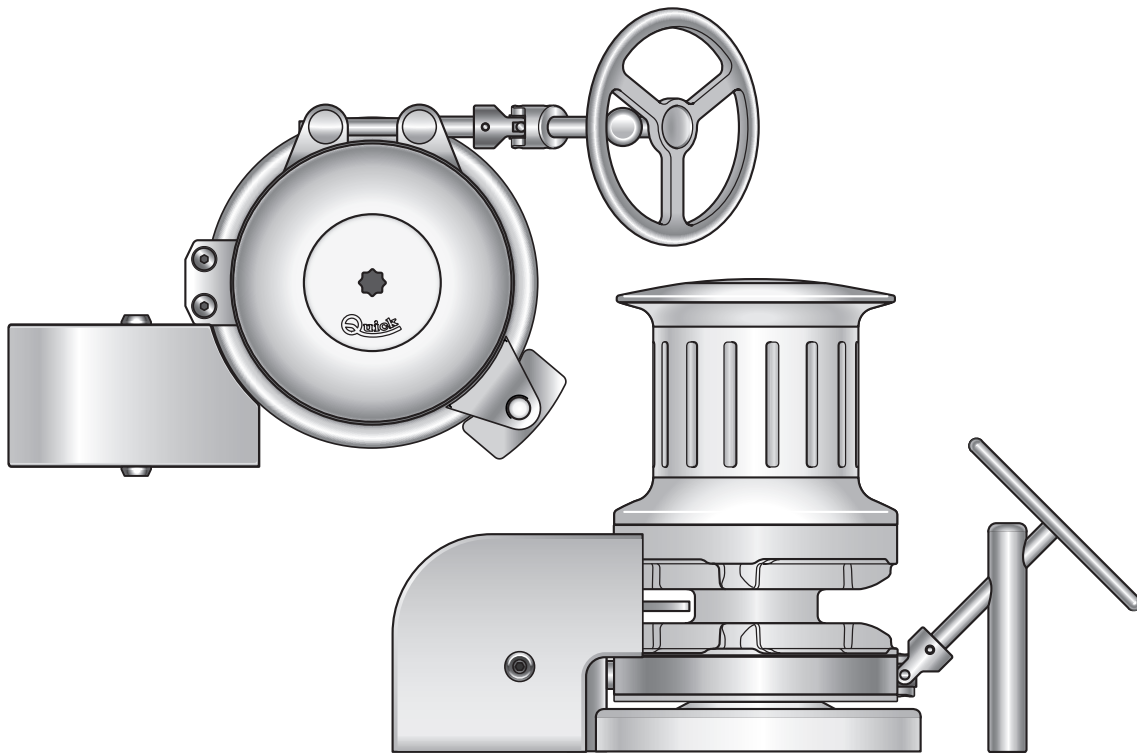
VERTICAL WINDLASSES

XR6 3024 DC - 3524 DC - 4000 AC - 5500 AC - HYDRO

XR7 4024 DC - 4000 AC - 5500 AC - HYDRO

XR8 5500 AC - 7500 AC - HYDRO

XR9 15000 AC - HYDRO



*EN - INSTALLATION AND USER'S MANUAL General instructions

*Other languages available by scanning the QR code on the back of this manual or on the label on the product.

Quick[®]
Nautical Equipment

- IT *Altre lingue disponibili scansionando il codice QR presente sul retro del seguente manuale o sull'etichetta alloggiata sul prodotto.
- ES *Otros idiomas disponibles escaneando el código QR en la parte posterior de este manual o en la etiqueta del producto.
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Thank you for choosing a **Quick Spa** nautical accessory.

Quick Spa is an international leader in the production and marketing of nautical accessories. The Italian plant designs, engineers and manufactures all the products in the Quick range.

XRSeries VERTICAL WINDLASSES

Nautical accessory for lifting and casting the anchor.

Thanks to electric or hydraulic motors, XRSeries is the range of anchor windlasses with mechanical movement.

The parts exposed to the marine environment are made entirely of stainless steel and the gypsy is in brass alloy. The entire XR series features the band brake with movable fixing block that allows to aim the handwheel in several positions on the deck plan.



2 - Important information

XRSeries

This manual provides boatyards and nautical equipment installers with instructions on how to assemble the specified XR Quick® and operate it correctly.

READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE USING THE PRODUCT.

IF IN DOUBT, CONTACT YOUR QUICK® DEALER.

Quick® reserves the right to modify the technical characteristics of the equipment and the contents of this manual without prior notice. In case of discordance or errors in translation between the translated version and the original text in the Italian language, reference will be made to the Italian text.

2.0 - Abbreviations and symbols

ABBREVIATIONS

EX = Example

P. = Page

SYMBOLS

This manual features Warning and/or Caution symbols that are important for safety.

Please follow the instructions provided.

	Warning symbol for dangerous situations.
	Warning symbol for feet and/or hand crushing hazard (yellow triangle)
	Danger symbol for crushing hands by gears (red circle)
	Danger symbol for crushing hands by chain (red triangle)
	Caution symbol to prevent direct or indirect damage to the product.
	Caution symbol to prevent direct or indirect damage to the installer/end user.



3.0 - General precautions



Quick® windlasses have been designed and manufactured to weigh the anchor

- Do not use these products for any other type of operation.
- Quick® shall not be held liable for direct or indirect damage caused by improper use of the product.
- The windlass is not designed to support loads generated in particular weather conditions (storm).
- Operate the product from a position where it is possible to supervise the work area.
- Always deactivate the windlass when not being used.
- Make sure that there are no bathers nearby before dropping the anchor.
- For improved safety, we recommend installing at least two controls to operate the windlass in case one is damaged.
- We recommend the use of Quick® switch as motor safety device.
- Secure the chain with a retainer before sailing off.
- **24 V MODEL ONLY:** The reversing contactor box must be installed in a position protected from any water entry.
- After completing the anchorage, secure the chain to fixed points such as chain stopper or bollard.
- To prevent accidental releases, the anchor must be secured. The windlass must not be used as sole securing device.
- Isolate the windlass from the electrical system during navigation and secure the rope to a fixed point of the boat.
- This equipment is not intended for use by people (including children) with reduced physical, sensory or mental capabilities. Quick® SpA shall not be held liable for direct or indirect damage caused by improper use of the equipment.

3.1 - Precautions for the installer and PPE



CARRY OUT THE INSTALLATION IN GOOD LIGHTING CONDITIONS.

It is advisable to wear suitable clothing and personal protective equipment (PPE).

All personal protective equipment must comply with the relevant national legislation and must be checked, maintained and used in accordance with the manufacturer's instructions.

PPE for the installer and the routine maintenance technician		
Identification pictogram	Description	Notes
	HELMET	Use of safety helmet to prevent damage caused by suspended loads during work and impact to structures
	SAFETY GLOVES	Use of protective gloves to prevent cuts, perforations or punctures during work operations
	SAFETY SHOES	Use of safety shoes to prevent damage caused by falling materials from above during stabilizer installation operations.
	SAFETY CLOTHING	Use of suitable protective clothing to prevent entanglement with moving and transported parts.

The product is not suitable for installation in potentially explosive environments and/or atmospheres. Installation and subsequent inspection or repair work must only be carried out by qualified personnel.



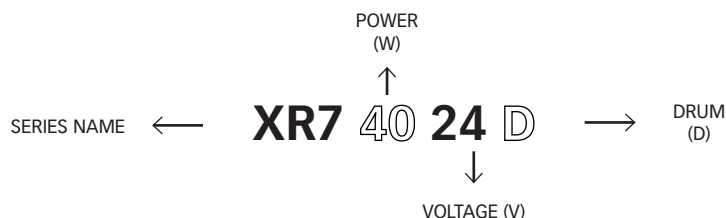
CARRY OUT INSTALLATION/MAINTENANCE WORK MAKING SURE THAT THE PRODUCT IS DISCONNECTED FROM THE ELECTRICAL SYSTEM.

Quick® accepts no responsibility for inadequate connection of users to the electrical system and inadequate safety of the electrical system.



QUICK® RESERVES THE RIGHT TO MODIFY THE TECHNICAL CHARACTERISTICS OF THE EQUIPMENT AND THE CONTENTS OF THIS MANUAL WITHOUT PRIOR NOTICE. IN CASE OF DISCORDANCE OR ERRORS IN TRANSLATION BETWEEN THE TRANSLATED VERSION AND THE ORIGINAL TEXT IN THE ITALIAN LANGUAGE, REFERENCE WILL BE MADE TO THE ITALIAN TEXT.

4.0 - Model code



4.1.0 - XR6 Technical Data

ELECTRIC MODEL	XR6 DC MOTOR X/Y	
MODEL POWER	3000 W	3500 W
Motor voltage	24 V	
Maximum instantaneous pull	3000 kg (6613.9 lb)	4000 kg (8818.5 lb)
Maximum work load	1200 kg (2645.5 lb)	1500 kg (3307 lb)
Work load	600 kg (1322.8 lb)	700 kg (1543.2 lb)
Current consumption at work load ⁽¹⁾	173 A	197 A
Maximum recovery speed ⁽²⁾	31 m/min (10 1.7 ft/min)	27.6 m/min (90.6 ft/min)
Minimum motor cable cross section ⁽³⁾	50 mm ²	
Circuit breaker ⁽⁴⁾	100 A	
Deck thickness ⁽⁶⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 5/16)	
Weight without drum	99.9 kg - 220.2 lb	98.5 kg - 217.2 lb
Weight with drum	111.9 kg - 246.7 lb	112.9 kg - 248.9 lb

ELECTRIC MODELS	XR6 AC MOTOR X/Y	
MOTOR POWER	4000 W AC	5500 W AC
Motor voltage ⁽⁵⁾	230/400 V - Three-phase	
Maximum instantaneous pull	4000 kg (8818.5 lb)	4500 kg (9921 lb)
Maximum work load	1500 kg (3307 lb)	2350 kg (5180.8 lb)
Maximum recovery speed ⁽²⁾	20 m/min (65.6 ft/min)	20 m/min (65.6 ft/min)
Deck thickness ⁽⁶⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 5/16)	
Weight without drum	109 kg (240.3 lb)	121.7 kg (268.3 lb)
Weight with drum	121.9 kg (268.7 lb)	133.7 kg (294.8 lb)

• (1) After an initial period of use. • (2) Measurements carried out with gypsy for 12/13 mm ISO/ DIN766 chain. • (3) Minimum recommended value for total length L = <20m. Determine the cable cross section according to the length of the wiring. • (4) With specific circuit breaker for direct current (DC) and delayed (thermal-magnetic or hydraulic-magnetic) circuit breaker. • (5) Three-phase motor • (6) Studs for greater deck thickness can be supplied upon request.

HYDRAULIC MODEL	XR6 HYDRO X/Y	
Motor type	Reversible gear type	
Displacement	17.9 cc	1.09 in ³
Lifting capacity	2500 kg @ 230 bar	5511.5 lb @ 3335.9 psi
Recovery speed at work load ⁽¹⁾	12.5 m/min	41 ft/min
Deck thickness ⁽²⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 5/16)	
Weight without drum	95.4 kg	210.3 lb
Weight with drum	107.4 kg	236.8 lb
ADJUSTMENT VALUES (recommended by Quick)		
Flow rate	60 l/min	13.2 USG/min
Maximum pressure	230 bar	3335.9 psi

(1) Measurements carried out with gypsy for 12/13 mm ISO/ DIN766 chain
 (2) Studs for greater deck thickness can be supplied upon request.



4.1.1 - XR7 Technical Data

ELECTRIC MODEL	XR7 DC MOTOR X/Y
MODEL POWER	4000 W
Motor voltage	24 V
Maximum instantaneous pull	4000 kg (8818.5 lb)
Maximum work load	1500 kg (3307 lb)
Work load	700 kg (1543.2 lb)
Current consumption at work load ⁽¹⁾	190 A
Maximum recovery speed ⁽²⁾	31 m/min (101.7 ft/min)
Minimum motor cable cross section ⁽³⁾	35 mm ² (AWG 2)
Circuit breaker ⁽⁴⁾	150 A
Deck thickness ⁽⁶⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 23/64)
Weight	181.6 kg (400 lb)

ELECTRIC MODELS	XR7 AC X/Y	
MOTOR POWER	4000 W AC	5500 W AC
Motor voltage ⁽⁵⁾	230/400 V	230/400 V
Maximum instantaneous pull	4500 kg (9921 lb)	5000 Kg (11000 lb)
Maximum work load	2000 Kg (4409 lb)	2350 Kg (5180.8 lb)
Maximum recovery speed ⁽²⁾	10 m/min (32.8 ft/min)	11.6 m/min (38 ft/min)
Deck thickness ⁽⁶⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 23/64)	
Weight	173 kg (381.4 lb)	178.6 kg (393.7 lb)

• (1) After an initial period of use. • (2) Measurements carried out with gypsy for 16 mm STUD-LINK chain. • (3) Minimum recommended value for total length L = <20m. Determine the cable cross section according to the length of the wiring. • (4) With specific circuit breaker for direct current (DC) and delayed (thermal-magnetic or hydraulic-magnetic) circuit breaker. • (5) Three-phase motor • (6) Studs for greater deck thickness can be supplied upon request.

HYDRAULIC MODEL	XR7 HYDRO X/Y	
Motor type	Reversible gear type	
Displacement	43 cc	2.62 in ³
Lifting capacity	2500 kg @ 150 bar	5511.5 lb @ 2175 psi
Recovery speed at work load ⁽¹⁾	12.5 m/min	41 ft/min
Deck thickness ⁽²⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 5/16)	
Weight	165 kg	363.8 lb
ADJUSTMENT VALUES (recommended by Quick)		
Flow rate	70 l/min	18.5 USG/min
Maximum pressure	150 bar	2175.6 psi

(1) Measurements carried out with gypsy for 16 mm stud-link chain.

(2) Studs for greater deck thickness can be supplied upon request.



4.1.2 - XR8 Technical Data

ELECTRIC MODELS	XR8 AC 5500 X/Y	XR8 AC 7500 X/Y
MOTOR POWER	5500 W AC	7500 W AC
Motor voltage ⁽¹⁾	230/400 V	400/690 V
Maximum instantaneous pull	4500 kg (9921 lb)	6500 Kg (14330 lb)
Maximum work load	2500 Kg (5511.5 lb)	3500 Kg (7716 lb)
Maximum recovery speed ⁽²⁾	14.5 m/min (47.6 ft/min)	14 m/min (46 ft/min)
Deck thickness ⁽³⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 5/16)	
Weight	297 kg (654.8 lb)	303 kg (668 lb)

(1) Three-phase motor • (2) Measurements carried out with gypsy for 20.5 mm STUD-LINK chain. • (3) Studs for greater deck thickness can be supplied upon request.

HYDRAULIC MODEL	XR8 HYDRO X/Y	
Motor type	Reversible gear type	
Displacement	43 cc	2.62 in ³
Lifting capacity	3000 kg @ 170 bar	6613.9 lb @ 2465 psi
Recovery speed at work load ⁽¹⁾	14 m/min	46 ft/min
Deck thickness ⁽²⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 23/64)	
Weight	280.5 kg	618 lb
ADJUSTMENT VALUES (recommended by Quick)		
Flow rate	70 l/min	18.5 USG/min
Maximum pressure	170 bar	2465 psi

(1) Measurements carried out with gypsy for 20.5 mm STUD-LINK chain. • (2) Studs for greater deck thickness can be supplied upon request.

4.1.3 - XR9 Technical Data

ELECTRIC MODELS	XR9 AC 15000 X/Y
MOTOR POWER	15000 W AC
Motor voltage ⁽¹⁾	400/690 V
Maximum instantaneous pull	8000 Kg (17636 lb)
Maximum work load	6000 Kg (13227 lb)
Maximum recovery speed ⁽²⁾	15 m/min (49.2 ft/min)
Deck thickness ⁽³⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 23/64)
Weight	580 kg (654 lb)

(1) Three-phase motor- (2) Measurements carried out with gypsy for 26 mm STUD-LINK chain. - (3) Studs for greater deck thickness can be supplied upon request.

HYDRAULIC MODEL	XR9 HYDRO X/Y	
Motor type	Reversible gear type	
Displacement	43 cc	2.62 in ³
Lifting capacity	6000 kg @ 180 bar	6613 lb @ 456 bar
Recovery speed at work load ⁽¹⁾	15 m/min	49 ft/min
Deck thickness ⁽²⁾	30 ÷ 60 mm (1" 3/16 ÷ 2" 23/64)	
Weight	565 kg	1245.5 lb
ADJUSTMENT VALUES (recommended by Quick)		
Flow rate	70 l/min	18.5 USG/min
Maximum pressure	170 bar	2175 psi

(1) Measurements carried out with gypsy for 26 mm STUD-LINK chain. - (2) Studs for greater deck thickness can be supplied upon request.



4.2 - Chains and tightening torques

GYPSY	CHAIN SIZE		XR6	XR7	XR8	XR9
1/2	G4		•			
12 mm	ISO(**)		•			
12.5 mm	STUD-LINK			•		
13 mm	DIN 766		•			
14 mm	DIN 766	ISO(**)	•	•		
	STUD-LINK			•		
16 mm	DIN 766	ISO(**)	•	•		
	STUD-LINK			•	•	
17.5 mm	STUD-LINK				•	
18 mm	DIN 766	ISO(**)		•		
19 mm	STUD-LINK				•	
20.5 mm	STUD-LINK				•	
22 mm	STUD-LINK				•	•
24 mm	STUD-LINK					•
26 mm	STUD-LINK					•

(**) ISO EN 818-3.

XR6 XR7 XR8 XR9 TIGHTENING TORQUE	Nm
M6	6.5
M8	16
M10	31
M12	55
M14	87
M16	135

Indicative values for stainless steel screws, consider tightening by evaluating the material of the surface where it will be fastened.

4.3 - Standard supply and material included in the package

- Windlass (top + gearmotor)
- Contactor or reversing contactor box (DC model only)
- Lever
- Screws for assembly
- Installation and user's manual, Warranty
- Drilling template

4.4 - Quick® accessories required, not included in standard supply

- RH/LH chain pipe
- Band brake handwheel

4.5 - Recommended Quick® accessories not included

- EC - BOX Electrical connection box for AC motors (XR7/XR8 up to 5.5kW)
- Inverter
- Control from control board
- Waterproof push-button panel
- Foot-operated switch
- Control system via RRC radio
- Chain stopper



5.0 - General instructions and precautions

Consider the weight for lifting the XR, see 4.0.X "technical data" of this manual.

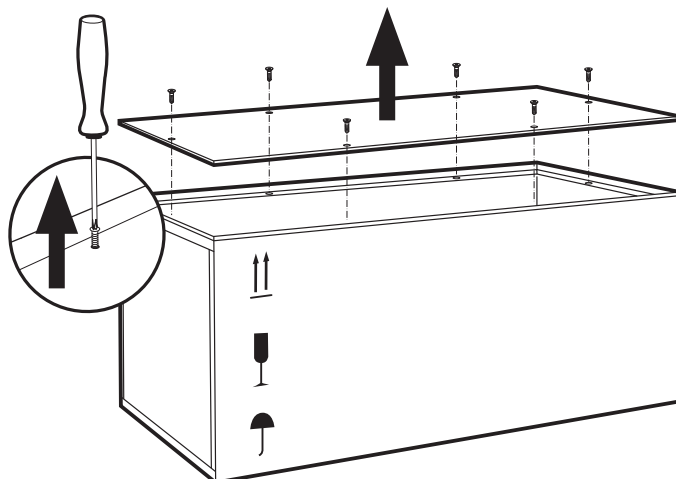


The handling and transport of the XR must be carried out by skilled personnel, capable of fastening loads correctly and in compliance with local regulations regarding work safety.

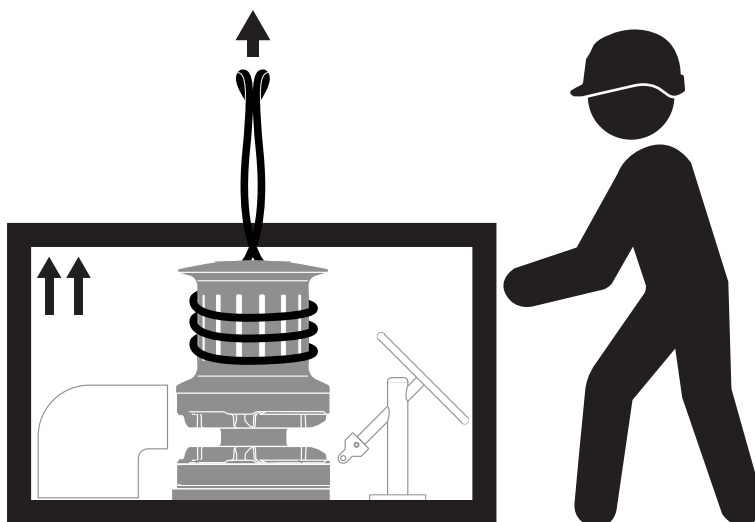
- Lift the XR with a mechanical aid.
- Care must be taken when removing the XR from packaging or when lifting it, taking care NOT to cause damage to the equipment or impact with the ground.

5.1 - Removing the crate & lifting the XRSeries

A. Remove the top panel of the crate.



B. Lift the XR from the crate with the mechanical aid using straps/slings to be tied to the drum or gypsy.



The images are purely indicative and may not fully reflect the product characteristics.

6.0 - Tools required for installation

- XR6** • Drill with bit: Ø 14 mm (35/64") • Hole saw Ø 190 mm (7" 31/64) • Hex wrench: 17 and 19 mm
XR7 • Drill with bit: Ø 15 mm (19/32") • Hole saw Ø 200 mm (7" 7/8) • Hex wrench: 17 and 19 mm
XR8 • Drill with bit: Ø 15 mm (19/32") • Hole saw Ø 250 mm (9" 27/32) • Hex wrench: 17 and 19 mm
XR9 • Drill with bit: Ø 18 mm (45/64") • Hole saw Ø 340 mm (13" 25/64) • Hex wrench: 24 mm

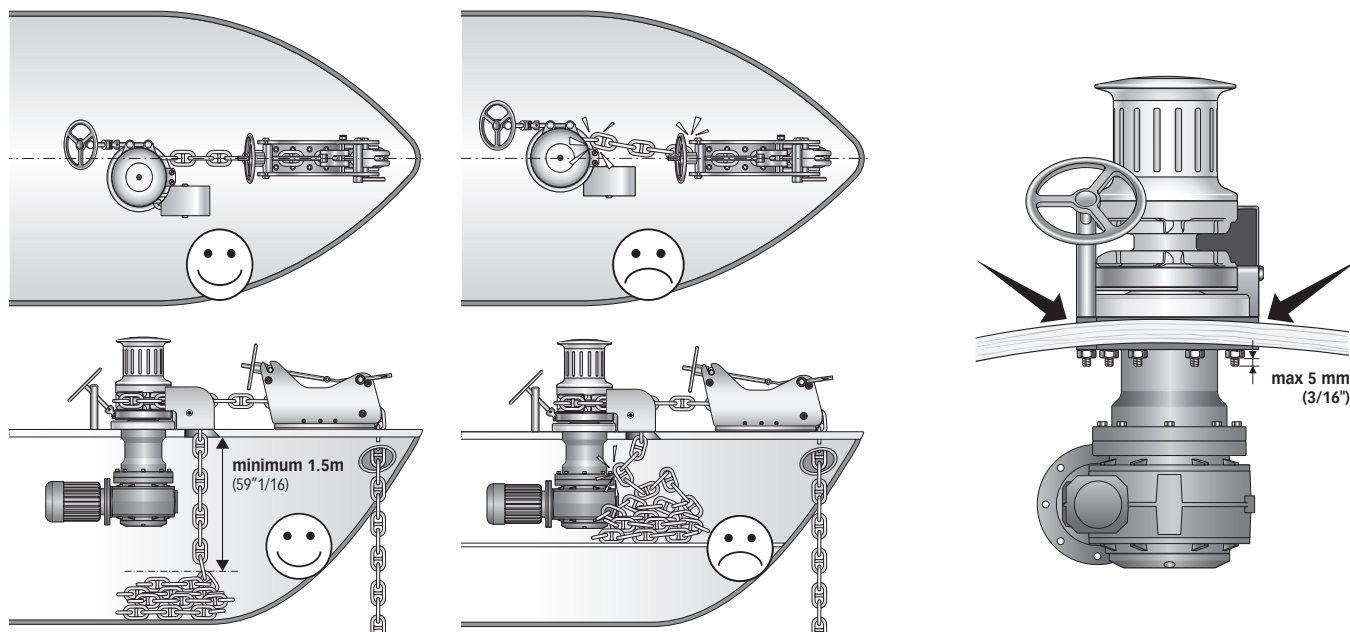
6.1 - Installation requirements

The windlass must be positioned by aligning the gypsy with the bow roller.

Check that the upper and lower surfaces of the deck are as parallel as possible; if this is not the case, properly compensate for the difference (lack of parallelism could result in motor power loss).

The deck thickness must be between the values shown in the table (Sect.4). In case of different thickness, please contact your Quick® dealer.

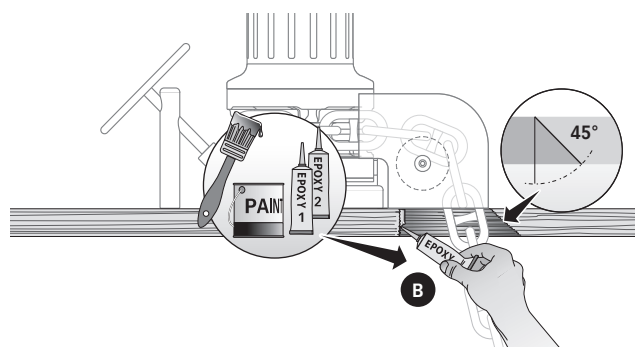
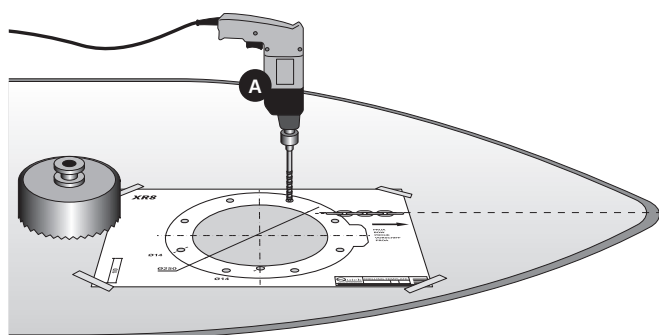
There must be no obstacles below deck for chain passage, the shallow depth of the locker could cause jams.



6.2 - Installation procedures

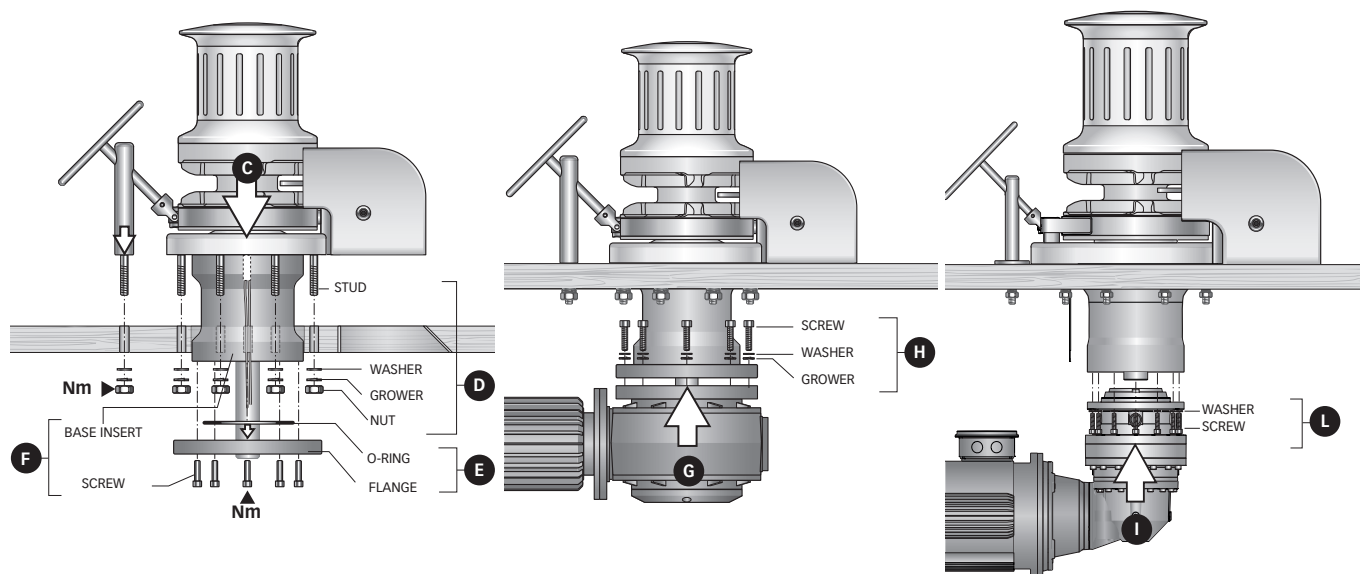
A) Identify the ideal position and drill the holes using the drilling template supplied.

B) Remove the excess material from the chain passage hole, finish it and smooth it with a specific product (marine paint, epoxy resin gel) ensuring the free passage of the chain.





XR6/XR7/XR8 • C) Position the upper part of the windlass. **D)** Secure it by screwing the nuts on the locking studs. **E)** Insert the O-ring into the flange. **F)** Secure the flange to the base insert with 6 screws. **G)** Insert the gearmotor into the windlass shaft. **H)** Tighten with screws. **XR9 • C)** Position the upper part of the windlass. **D)** Secure it by screwing the nuts on the locking studs. **I)** Insert the gearmotor into the windlass shaft. **L)** Tighten with screws.



 Tighten screws and nuts following a cross pattern with reference to the tightening values shown in the table (page 10). Apply threadlocker on the screws supplied. Periodically check proper tightening of screws.

ELECTRIC MOTOR Connect the power cables coming from the windlass to the mains (AC).

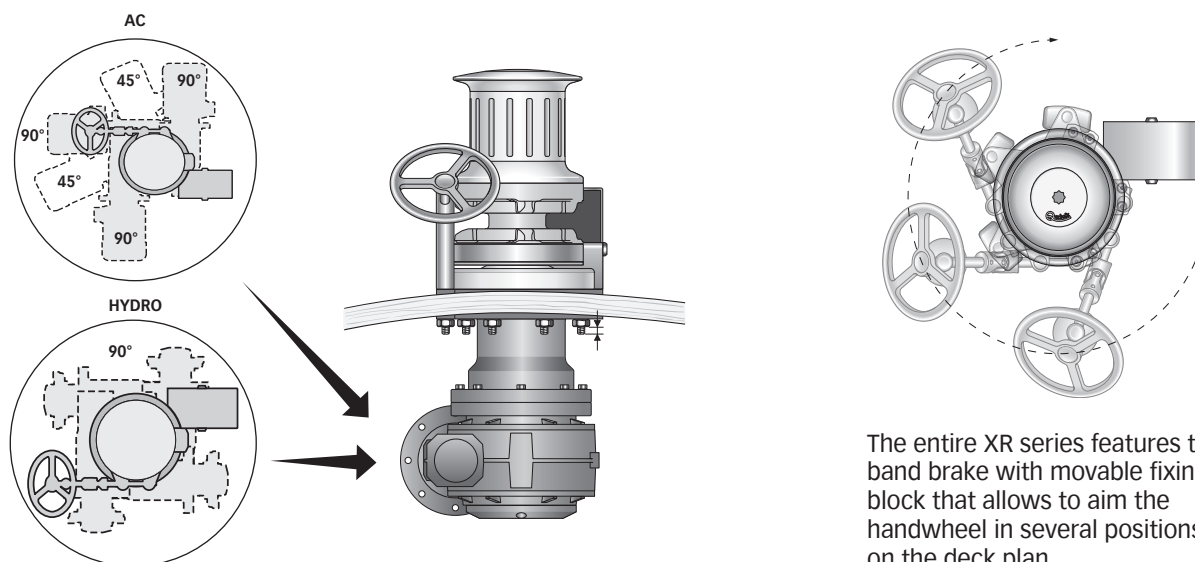
HYDRAULIC MOTOR Connect the pipes coming from the distribution valve to the two hydraulic motor flanges (see wiring diagrams in Sect.7).

WARNING: before connecting the equipment, make sure that cables are not live.

HORIZONTAL POSITION OF MOTOR GEARBOX AND HYDRAULIC MOTOR

ELECTRIC Depending on the type of gearmotor, a rotation every 45° or 90° is possible.

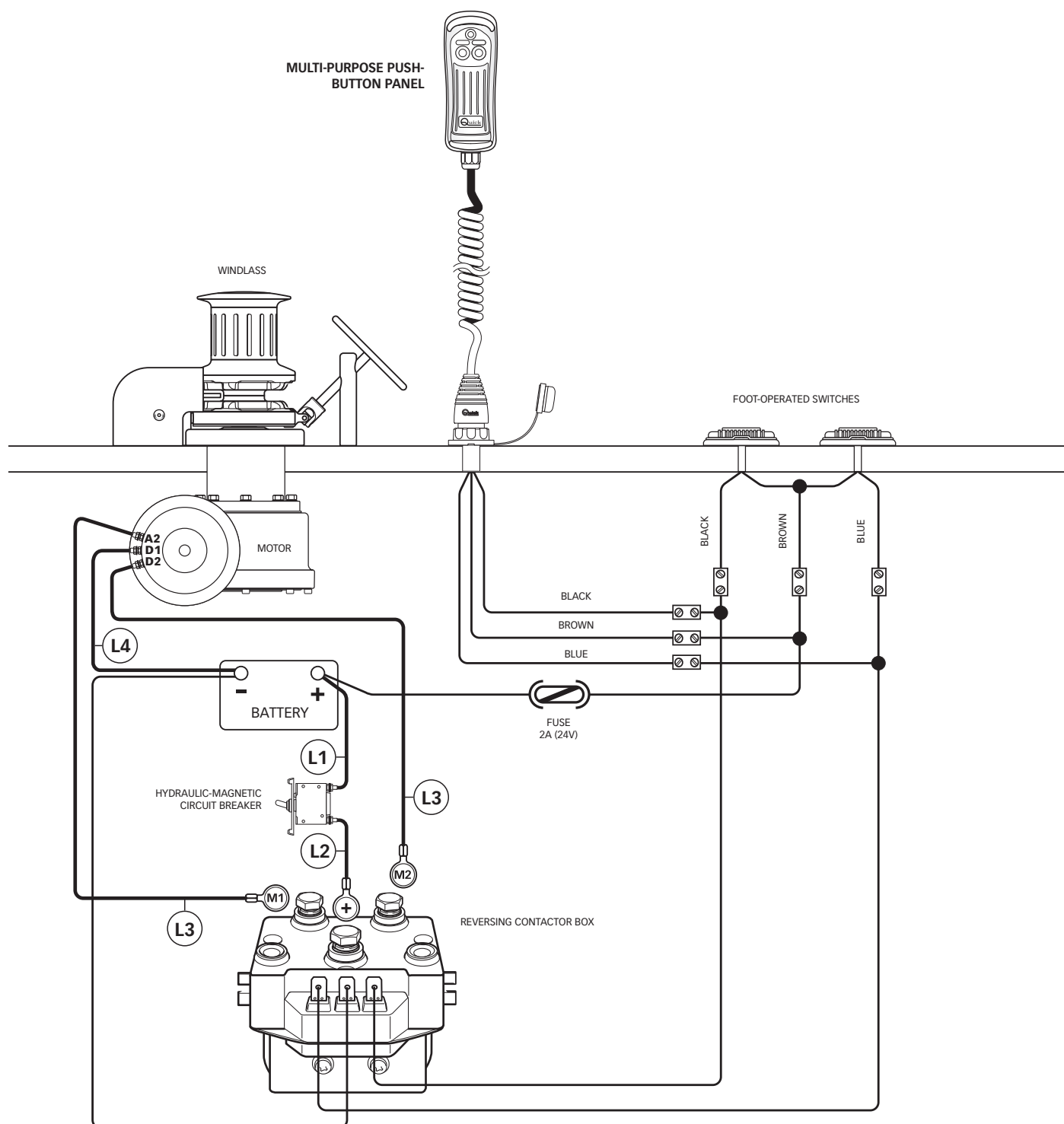
HYDRAULIC Depending on the type of motor, a rotation every 90° is possible.



The entire XR series features the band brake with movable fixing block that allows to aim the handwheel in several positions on the deck plan.



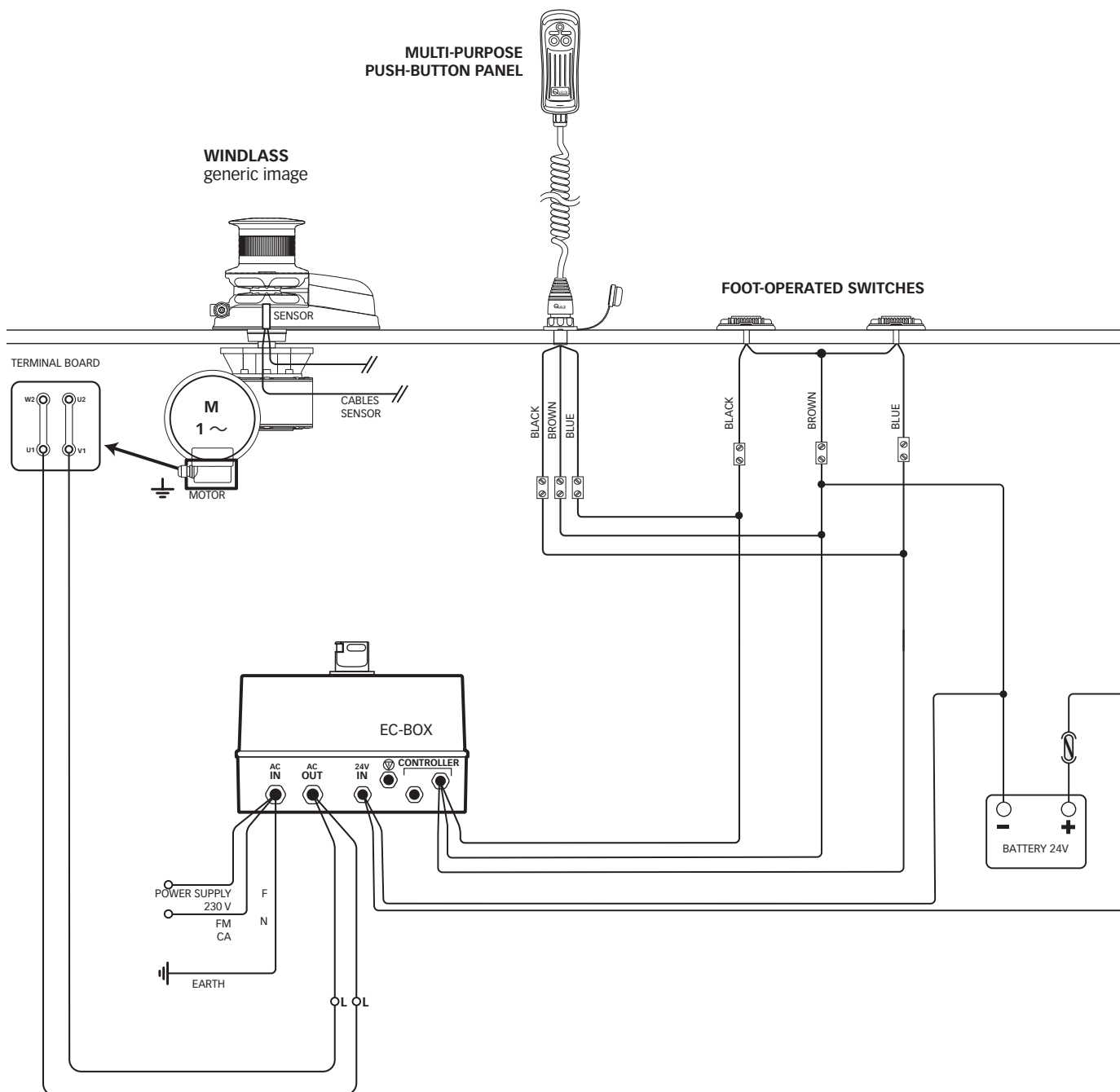
7.0 - Example of connection of 3000W 24V XR6



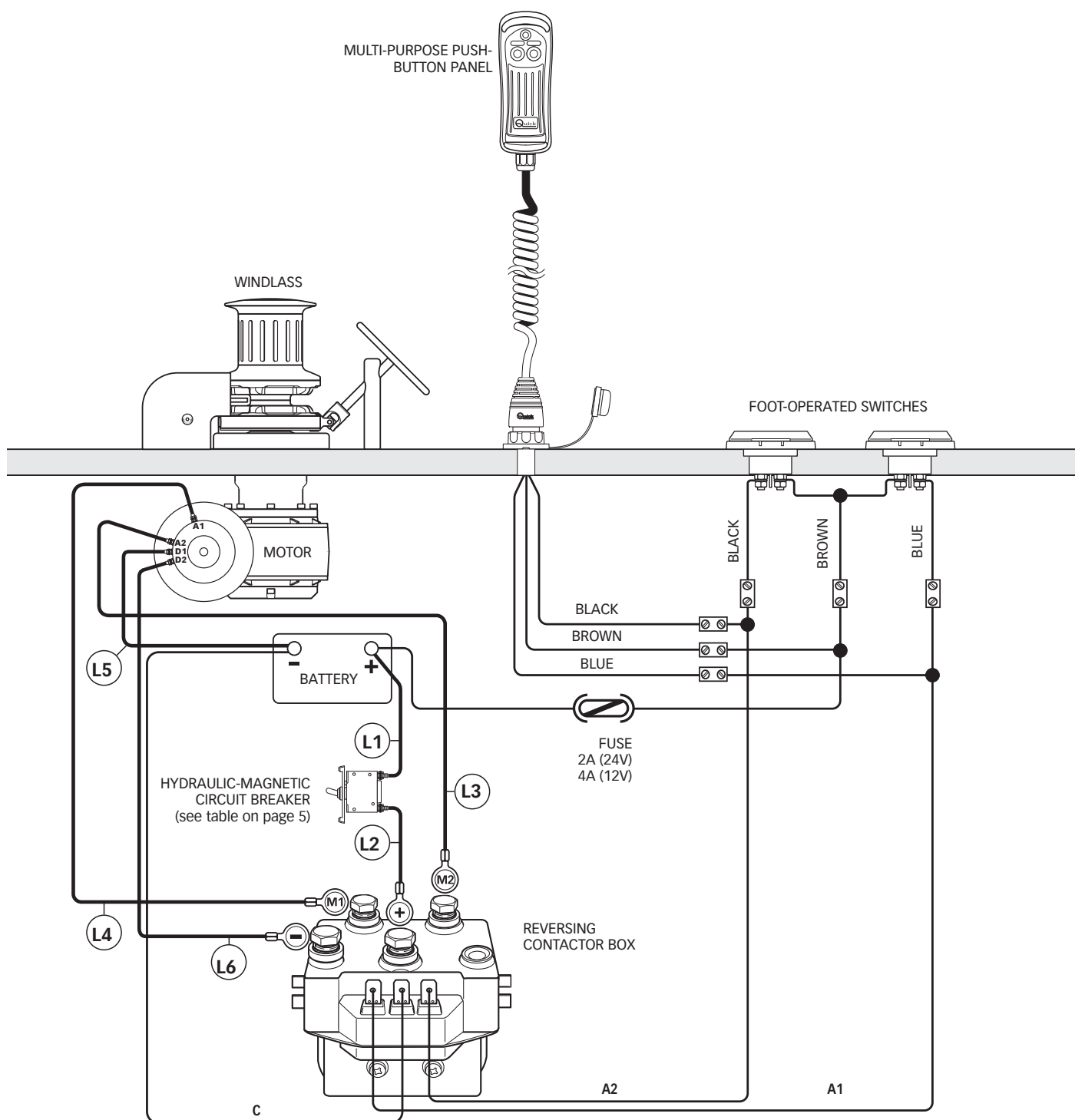
$$L = (L1) + (L2) + (L3) + (L4)$$



7.1 - Example of connection of 3000W 220V single-phase XR6



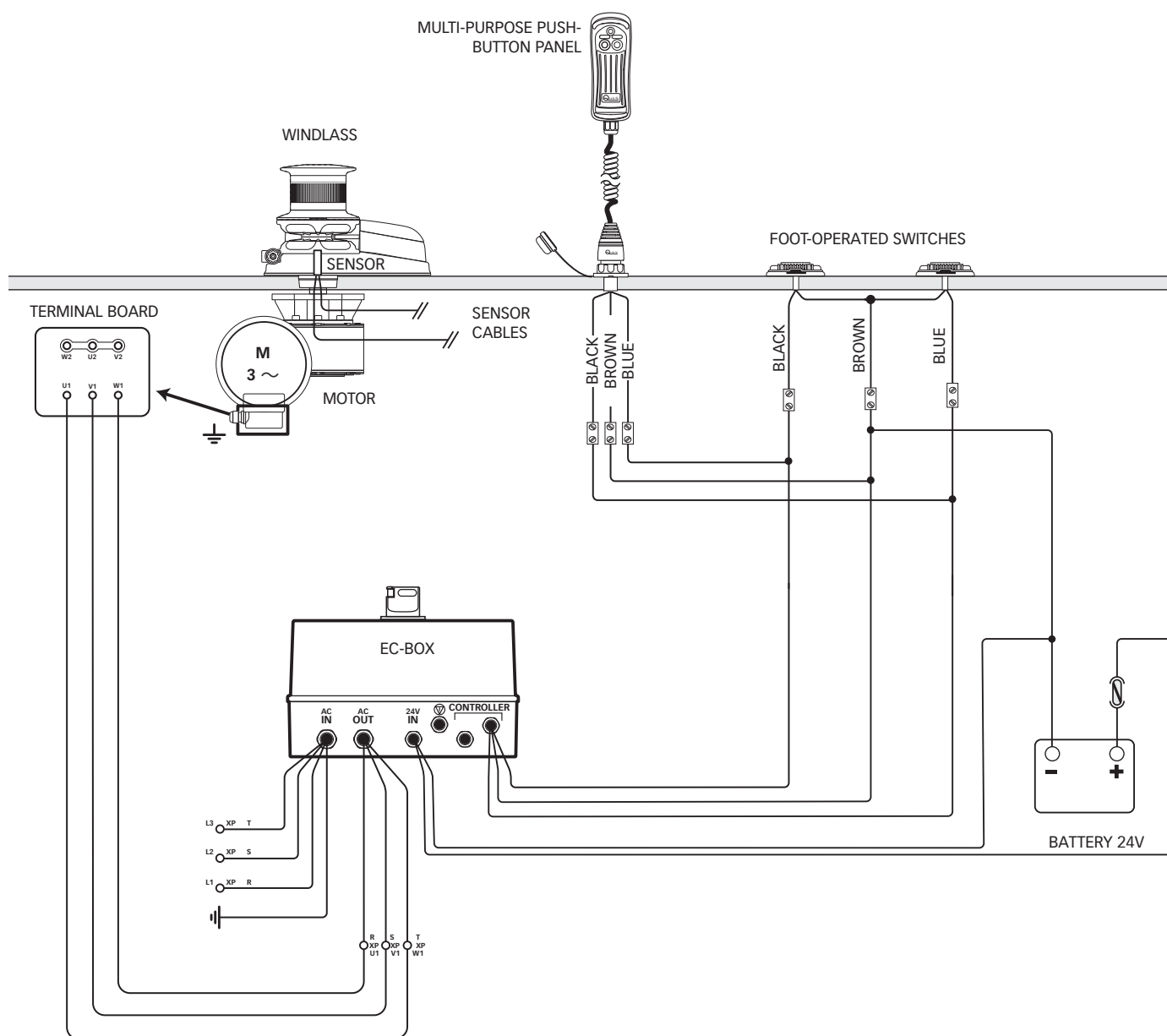
7.2 - Example of connection of 3500 DC XR6 / 4000W DC XR7



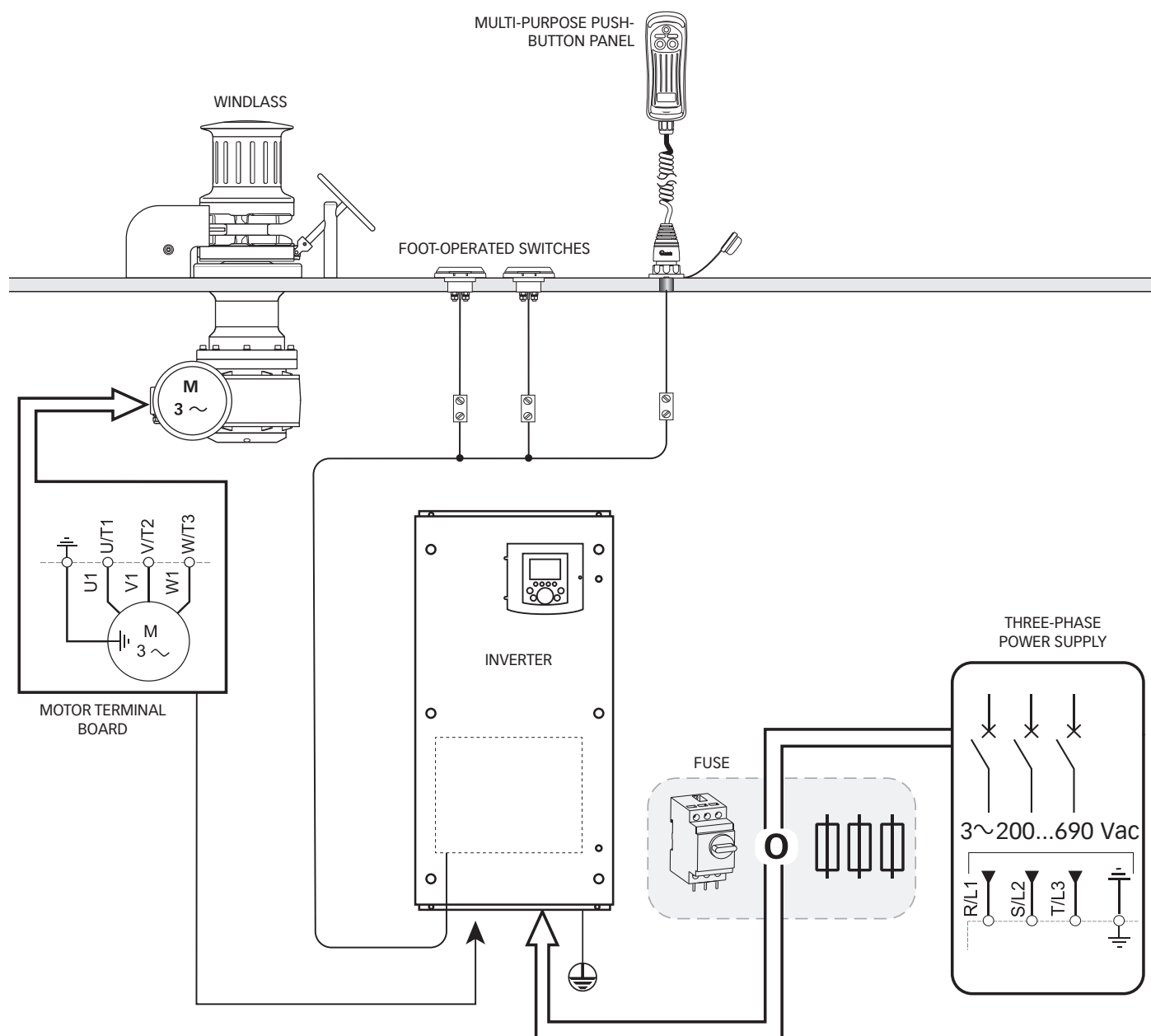
$$L = (L1) + (L2) + (L3) + (L4) + (L5) + (L6)$$



7.3 - Example of connection of XR6/XR7 (4000-5000) XR8 (5500) EC-BOX

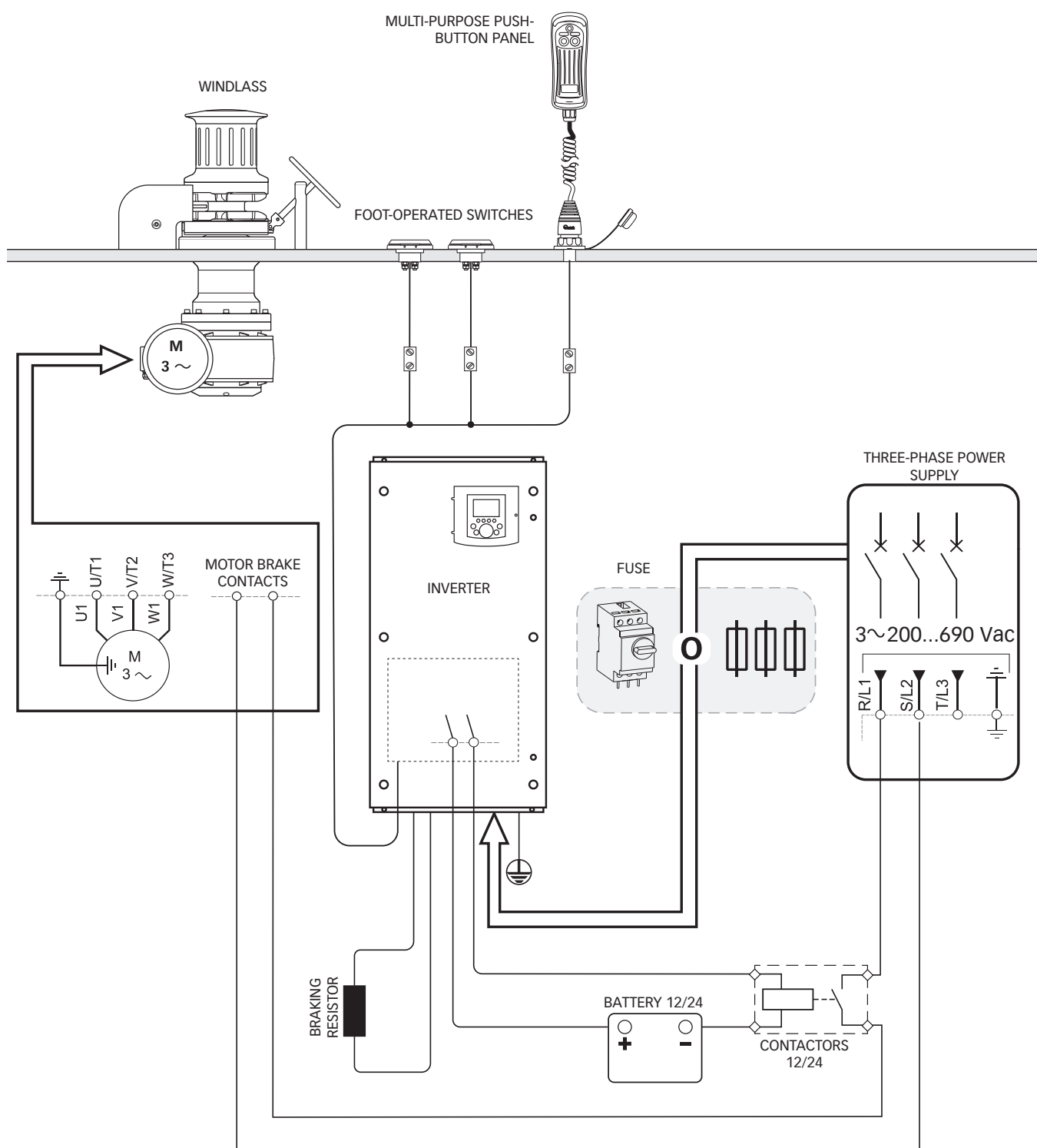


7.4 - Example of connection of XR6 XR7 XR8 with inverter

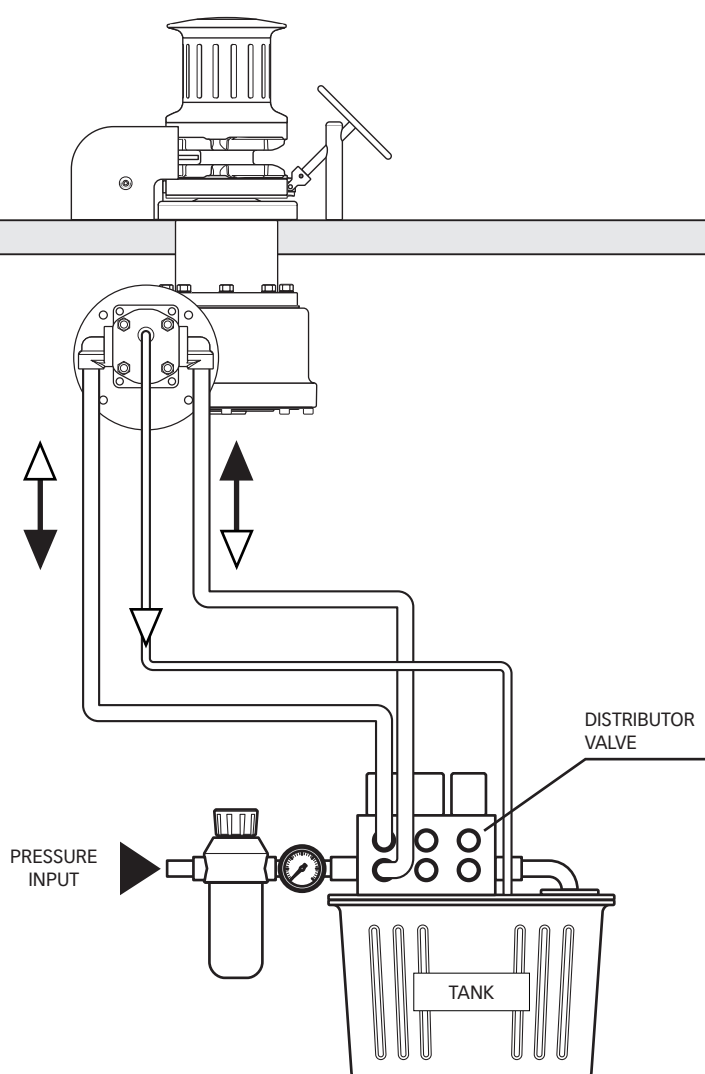




7.5 - Example of XR9 basic connection

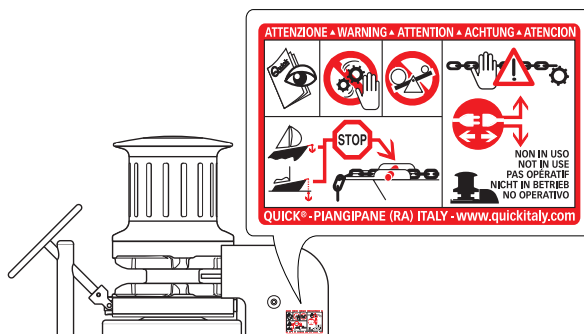


7.5 - Example of hydraulic connection of XRSeries





8.0 - Important cautions



DO NOT place any part of your body or objects near the chain and gypsy sliding area.

Operate the windlass from a position where it is possible to supervise the work area.

Make sure the electric motor is not powered when the windlass is operated manually (also when using the lever to lift the drum). In fact, people with windlass remote control (remote push-button panel or radio control) may accidentally activate it.

Secure the chain with a retainer before sailing off.

DO NOT electrically activate the windlass with the lever inserted in the drum or gypsy cover.



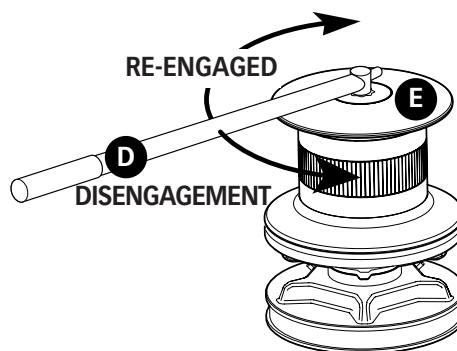
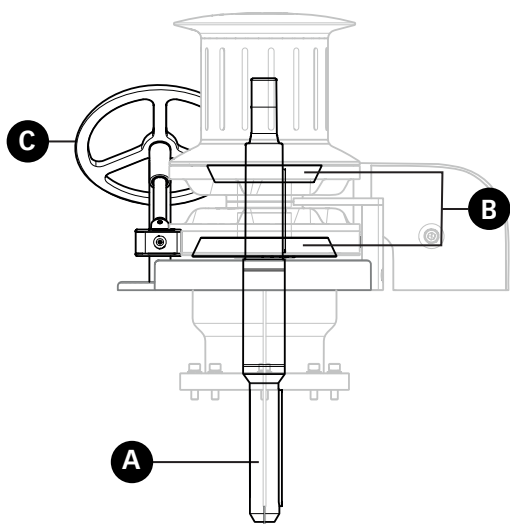
Quick® recommends using a suitable power fuse/thermal-magnetic/hydraulic-magnetic protection depending on the motor used, to protect the motor from overheating or short circuit.



The circuit breaker can be used to isolate the windlass control circuit, thus avoiding accidental activation.

8.1 - XR6 clutch use

The clutch (**B**) provides a link between the gypsy and the main shaft (**A**). The clutch can be released (disengagement) by using lever (**D**) which is inserted into the drum bush (**E**). It must rotate counter-clockwise. The clutch will be re-engaged by turning it clockwise.



WEIGHING THE ANCHOR

- 1 Turn on the boat engine.
- 2 Make sure the clutch is engaged and remove the lever (D).
- 3 Press the UP button on the control provided.

Check the upward movement of the chain for the last few meters in order to avoid damage to the bow.

CASTING THE ANCHOR

The anchor can be cast by using the electrical controls or manually.

Manually

The clutch must be disengaged allowing the gypsy to revolve and letting the chain or rope fall into the water. To slow down the chain, the brake (C) must be turned clockwise.

Electrically

To cast the anchor by using the electrical power, press the DOWN button on the control provided. In this manner, anchor casting is under control and the chain unwinds evenly.

In order to avoid any stress on the windlass once the boat is anchored, fasten the chain or secure it to a safe point by means of a rope.

8.2 - XR7-XR8-XR9 use

POWER TRANSMISSION

The central axis is connected to the reduction gear and the drum. The gypsy is dragged by the drum through front couplings on the gypsy.

When the drum (9) is up (Fig. A) and the bushing (3) is fully unscrewed, the gypsy (14) is free.

When the drum (9) is down (Fig. B) and the bushing (3) is fully screwed, the gypsy (14) is connected to the axis through the drum and it is possible to weigh the anchor.

GYPSY COUPLING

- 1) Use the lever (1) to screw the bushing 3 clockwise; the drum (9) lowers and engages the gypsy (14).

Make sure that the notches (image ref.A1) on the drum and the gypsy are aligned.

The bushing must not be too tight, in this way the drum can rotate on the gypsy and engage the front couplings through the springs.

- 2) Use the lever (1) to unscrew the bushing by rotating it counter-clockwise by 1/4 of a turn.

- 3) Remove the lever.

- 4) Operate the motor. The springs in the bushing allow to engage the front couplings between drum and gypsy.

- 5) Visually check that it has engaged (Fig. B) and screw the bushing clockwise.

- 6) Remove the lever.

- 7) Release the band brake if the windlass must be used.

ANCHOR WEIGHING WITH MOTOR

- 1) Make sure that the drum is coupled to the gypsy (Fig. B).
- 2) Use Quick® controls to weigh or release the anchor.

FIG. A

DO NOT STRAIN THE LIMIT SWITCH

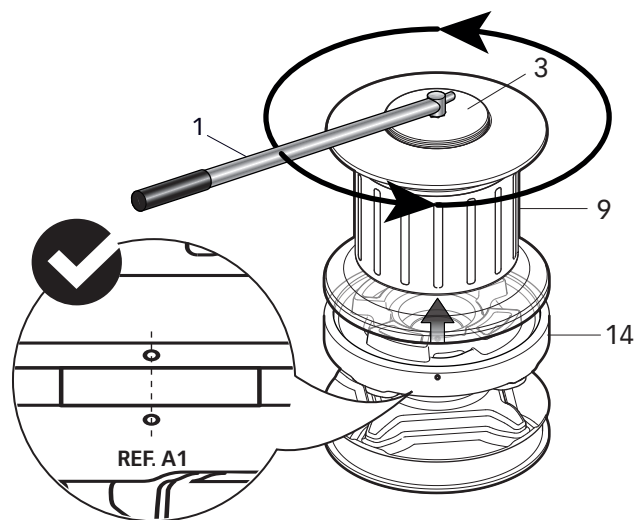
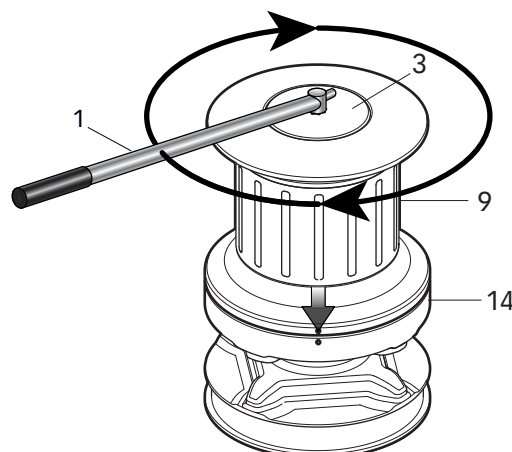


FIG. B





FREE FALL

- 1) Make sure that Quick® chain stopper is in a position that does NOT lock the chain (Fig. C).
- 2) Make sure that the band brake is completely tight.
- 3) ⚠ Unscrew the bushing counter-clockwise until its end of stroke and make sure that the drum is up, disengaged from the gypsy (Fig. A).
- 4) Use the handwheel to loosen the band brake and adjust the anchor free fall.

USING THE DRUM (GYPSY LOCKED)

- 1) Make sure that Quick® chain stopper is in a position that locks the chain (Fig. D).
- 2) Make sure that the band brake is completely tight.
- 3) ⚠ Unscrew the bushing counter-clockwise until its end of stroke and make sure that the drum is up, disengaged from the gypsy (Fig. A).
- 4) Use Quick® controls to rotate the drum in either direction (Fig. E). Wrap the rope counter-clockwise around the drum (at least 3 turns - Fig. F). It is possible to adjust speed reduction and recovery force by sliding the rope on the drum cylinder.



WARNING: during recovery, keep a suitable safety distance between your hands and the windlass drum.

FIG. C

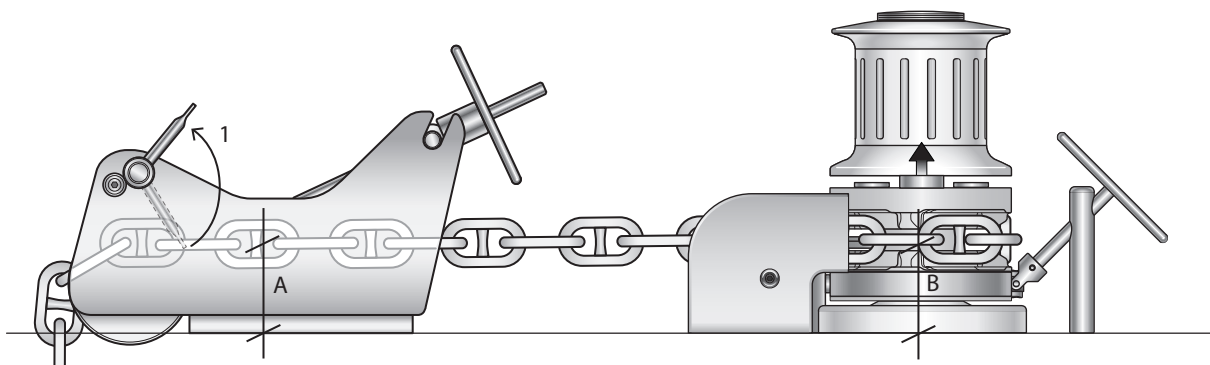


FIG. D

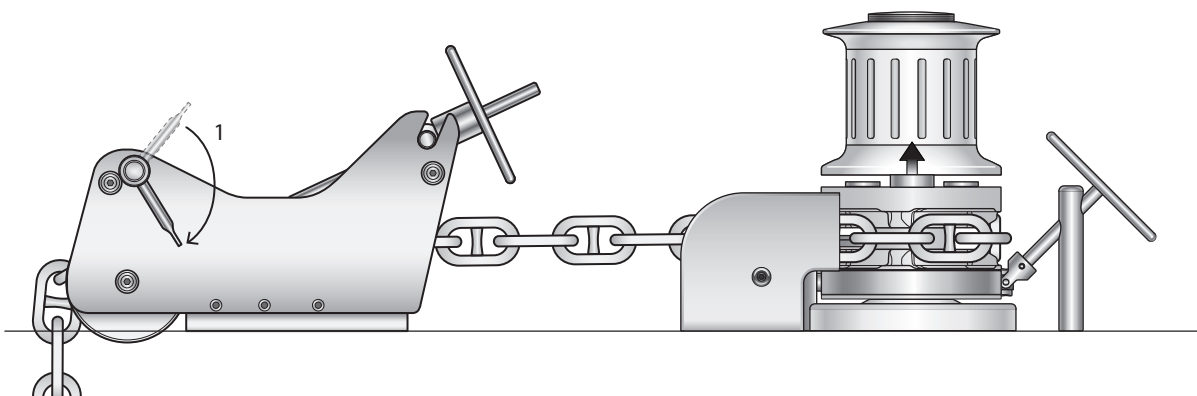


FIG. E

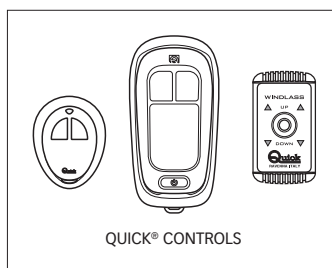
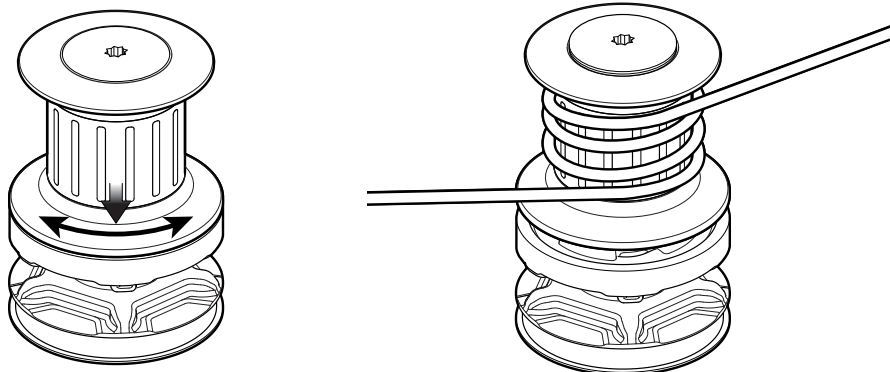


FIG. F



The images are purely indicative and may not fully reflect the product characteristics.

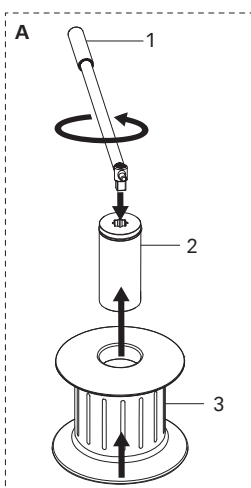


WARNING: make sure that the electric motor is not powered when manually working on the windlass.
Remove with care the chain or rope from the gypsy or the rope from the drum.

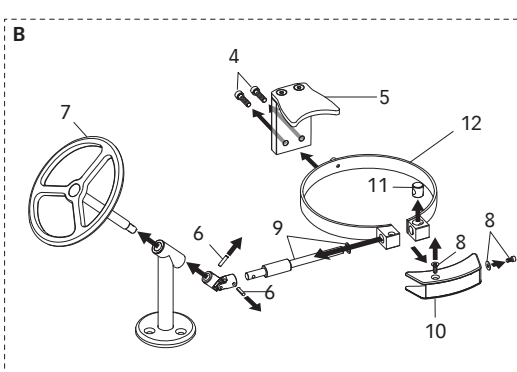
Quick® windlasses are made of materials resistant to the marine environment: it is essential, in any case, to periodically remove salt deposits that form on the external surfaces to avoid corrosion and consequently damage to the device.

- Thoroughly wash the surfaces and parts where salt can deposit with fresh water.
- Disassemble the gypsy and drum once a year; clean each disassembled part to prevent corrosion and grease (with high-performance silicone grease) the shaft thread, cones and clutch on XR6 or O-rings on XR7-XR8-XR9 of the drum bushing. Follow the disassembly sequence for maintenance:

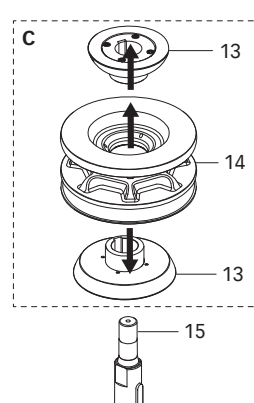
XR6 PROCEDURE



A Turn lever (1) counter-clockwise to remove the bushing (2) from the drum (3).

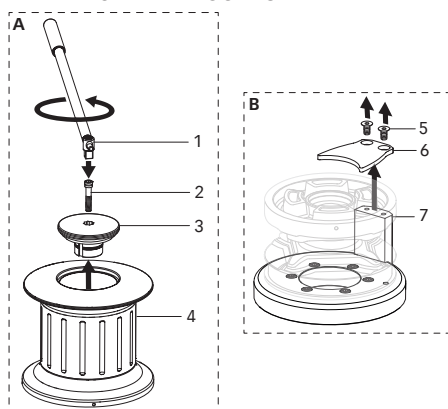


B Disassemble the band brake: unscrew the screws (4) to remove the chain stripper (5). Remove the pins (6) from the joint and remove the handwheel (7). Unscrew the screws (8) and washer (8) from the cover (10). Pull the shaft (9) out of the band brake (12). Remove the pin (11) and unhook the band brake from the gypsy (14).



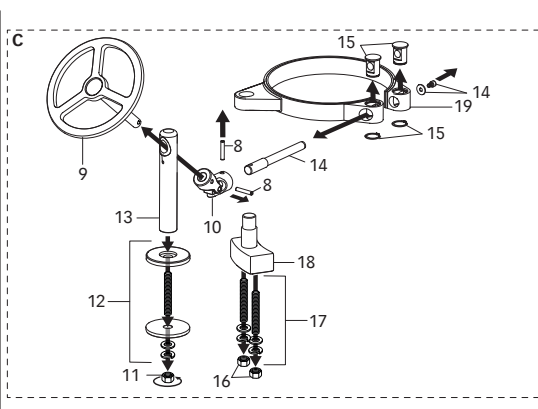
C Slide the gypsy locking element off the shaft (15) and remove the cones (13)

XR7 - XR8 - XR9 PROCEDURE

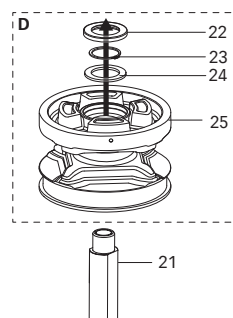


A Turn lever (1) counter-clockwise to remove the screw (2) and bushing (3) from the drum (4).

B Unscrew the screws (5) to remove the chain stripper (6) from the support (7).



C Disassemble the band brake: Remove the pins (8) from the joint (10) and remove the handwheel (9). Unscrew the nut (11) and remove the assembly (12) consisting of the circlip/washer/stud bolt from the rod (13). Remove the screw and washer and pull out the shaft (14) of the band brake. Pull the circlip (23) and bushes (15) out of the band brake. Unscrew the nuts (16) and remove the assemblies (17) consisting of the grower washer/washers/stud bolt from the braking unit (18). Remove the braking unit from the band of the band brake and from the gypsy.



D Remove oil seals (22) and washer (24) from the gypsy (25) and slide it off the shaft (21)



As with installation, at the end of this product life, dismantling must be carried out by qualified personnel.

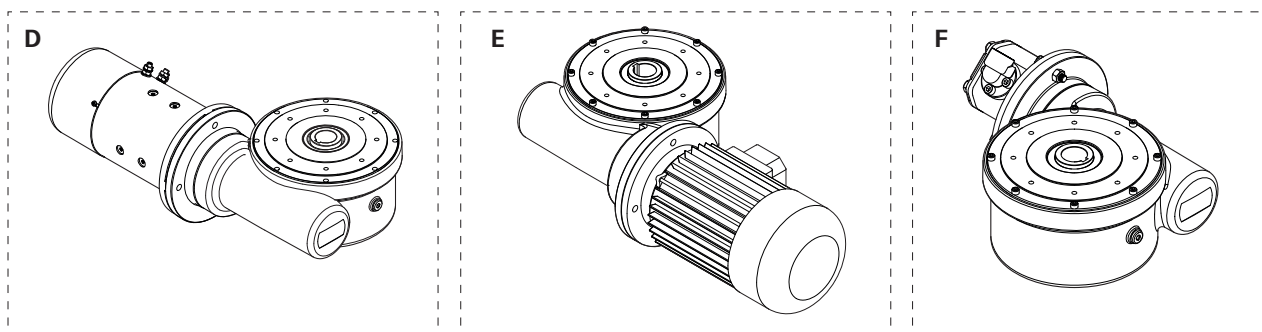
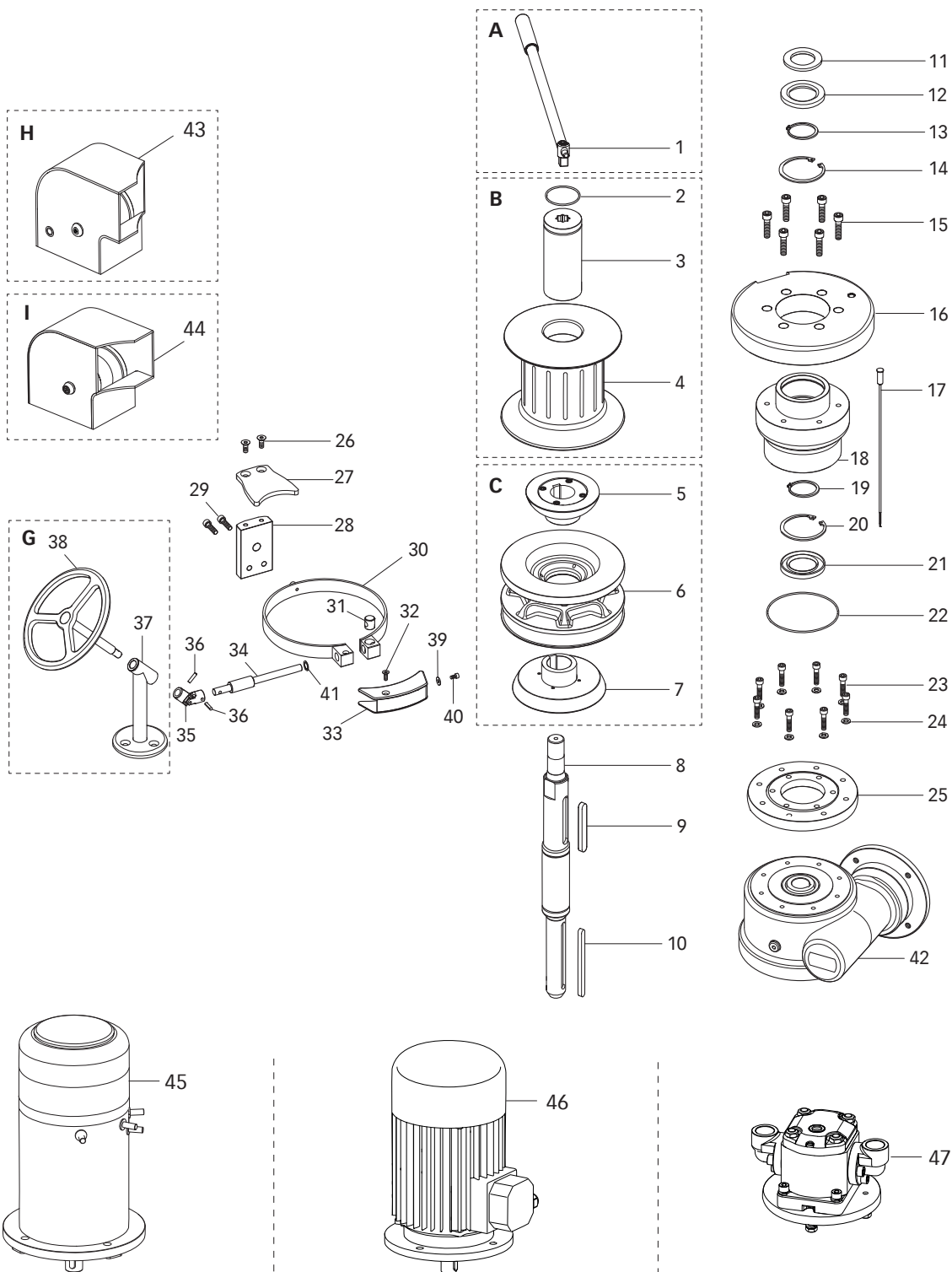
This product is made up of various materials, some can be recycled and others must be suitably disposed of; enquire about the recycling or disposal systems provided for by local regulations for this product category.

Some parts of the product may contain pollutants or hazardous substances that, if dispersed, may be harmful to the environment and human health.



As indicated by the symbol on the side, it is forbidden to dispose of this product as domestic waste.

Separate the products for disposal in accordance with the regulations in force in your area or return the product to the seller when purchasing a new equivalent product. Local regulations may impose severe penalties for the improper disposal of this product.





No.	NAME		
1	LEVER	26	SCREWS
2	BUSH O-RING	27	CHAIN STRIPPER
3	XR6 DRUM BUSHING	28	CHAIN STRIPPER SUPPORT
4	XR6 WINDLASS DRUM	29	SCREWS
5	UPP. CLUTCH CONE	30	BAND BRAKE
6	GYPSY	31	BRASS PIN
7	LOW. CLUTCH CONE	32	SCREW
8	XR6 SERIES WINDLASS SHAFT	33	COVER
9	KEY	34	BAND BRAKE SHAFT
10	KEY	35	UNIVERSAL JOINT
11	REINFORCING WASHER	36	ELASTIC PIN
12	OIL SEAL	37	REMOTE BRAKE ROD
13	EXTERNAL SNAP RING	38	BAND BRAKE HANDWHEEL
14	INTERNAL SNAP RING	39	WASHER
15	SCREW	40	SCREW
16	WINDLASS BASE	41	SPACER
17	SENSOR	42	TG110 GEARBOX
18	XR6 BASE INSERT	43	RH CHAIN PIPE
19	SNAP RING	44	LH CHAIN PIPE
20	INTERNAL SNAP RING	45A	WINDLASS MOTOR 3000W 24V
21	OIL SEAL	45B	WINDLASS MOTOR 3500W 24V
22	O-RING	46A	WINDLASS MOTOR 4000W 230/400V
23	SCREWS	46B	WINDLASS MOTOR 5500W 230/400V
24	WASHERS	47	HYDRAULIC MOTOR
25	UPPER FLANGE		

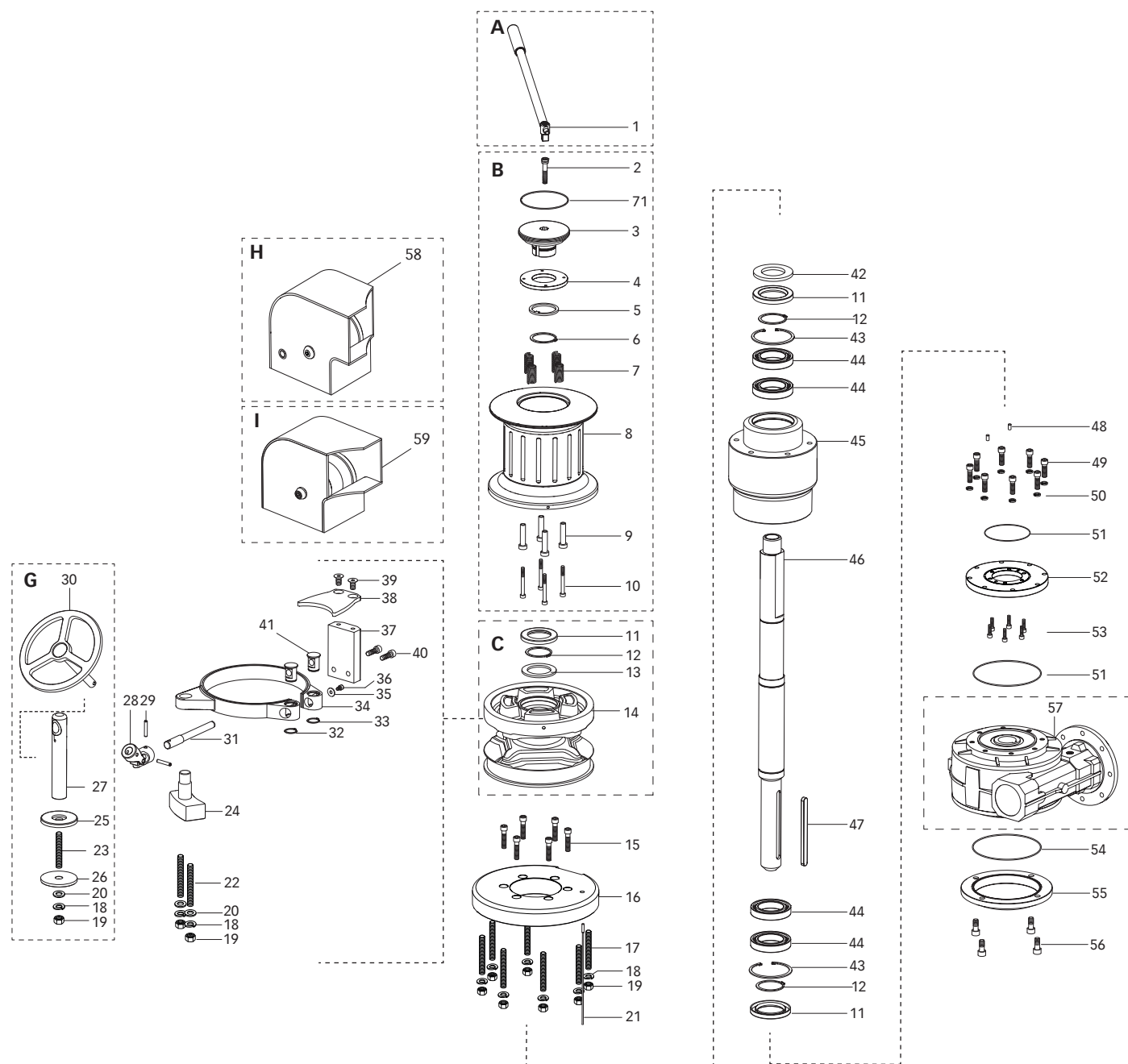
11.0 - XR6 spare parts

Refer to the exploded drawing on page 26

REF.	DESCRIPTION	CODE
A	OSP STAINLESS STEEL WINDLASS LEVER	FVSSLVSH4000A00
B	OSP DRUM BUSH XR6	FVSSGMSDCPX6A00
C1	OSP GYPSY 12/13MM XR6	FVSSBXR61200A00
C2	OSP GYPSY 14MM XR6	FVSSBXR61400A00
C3	OSP GYPSY 16MM XR6	FVSSBXR61600A00
C4	12.5MM GYPSY OSP, XR6 STUD-LINK	FVSSBXR612S0A00
D1	OSP MOTOR GEARBOX 3000W 24V RY6/DK6/XR6	FVSSR3024DK0A00
D2	OSP MOTOR GEARBOX 3500W 24V RY6/DK6/XR6	FVSSR3524DK0A00
E1	OSP MOTOR GEARBOX 4000W 230/400V DK6/XR6	FVSSR40TR000A00
E2	OSP MOTOR GEARBOX 5500W 230/400V DK6/XR6	FVSSR55TR000A00
F	OSP HYDRO MOTOR GEARBOX 4000W DK6/XR6	FVSSRHYTR000A00

11.1 - XR6 spare parts - Accessories not included as standard

REF.	DESCRIPTION	CODE
G	XR6 STAINLESS STEEL REMOTE BRAKE HANDWHEEL	FSRBXR600000A00
H	XR6 COMPL LH STAINLESS STEEL CHAIN PIPE	FSPSXR6SX000A00
I	XR6 COMPL RH STAINLESS STEEL CHAIN PIPE	FSPSXR6DX000A00





No.	NAME		
1	LEVER	25	UPPER WASHER
2	SCREW	26	LOWER WASHER
3	XR7 DRUM BUSHING	27	REMOTE BRAKE ROD
4	XR7 DRUM DISC	28	UNIVERSAL JOINT
5	ANTI-ROTATION RING	29	ELASTIC PIN
6	EXTERNAL SNAP RING	30	REMOTE BRAKE HANDWHEEL
7	SPRING	31	BAND BRAKE SHAFT
8	XR7 WINDLASS DRUM	32	EXTERNAL SNAP RING
9	DRUM DISC SPACER	33	EXTERNAL SNAP RING
10	SCREW	34	XR7 SERIES BAND BRAKE
11	OIL SEAL	35	FLAT WASHER
12	EXTERNAL SNAP RING	36	SCREW
13	ANTI-ROTATION RING	37	XR7 CHAIN STRIPPER SUPPORT
14	GYPSY	38	XR7 SERIES CHAIN STRIPPER
15	SCREW	39	COUNTERSUNK SCREW
16	XR7 SERIES WINDLASS BASE	40	SCREW
17	STUD	41	XR7 BRASS PIN
18	GROWER	42	7000W REINFORCING WASHER
19	NUT	43	INTERNAL SNAP RING
20	WASHER	44	BEARING
21	SENSOR	45	XR7 BASE INSERT
22	STUD	46	XR7 SERIES WINDLASS SHAFT
23	STUD	47	KEY
24	BAND BRAKE LOCK	48	PINS
		49	SCREW
		50	GROWER
		51	O-RING
		52	HUB FLANGE
		53	SCREW
		54	O-RING
		55	REDUCTION GEAR CLOSING FLANGE
		56	SCREW
		57	REDUCTION GEAR
		58	RH CHAIN PIPE
		59	LH CHAIN PIPE
		60	MOTOR 5.5KW 230/400V
		61	MOTOR 7.5KW 230/400V
		62	HYDRAULIC MOTOR
		63	KEY
		64	ADAPTER
		65	HYDRAULIC MOTOR FLANGE
		66	90° G3/4 FEMALE FLANGE
		67	MOTOR 4000W 24V
		68	KEY
		69	4000 W MOTOR FLANGE
		70	ADAPTER
		71	O-RING

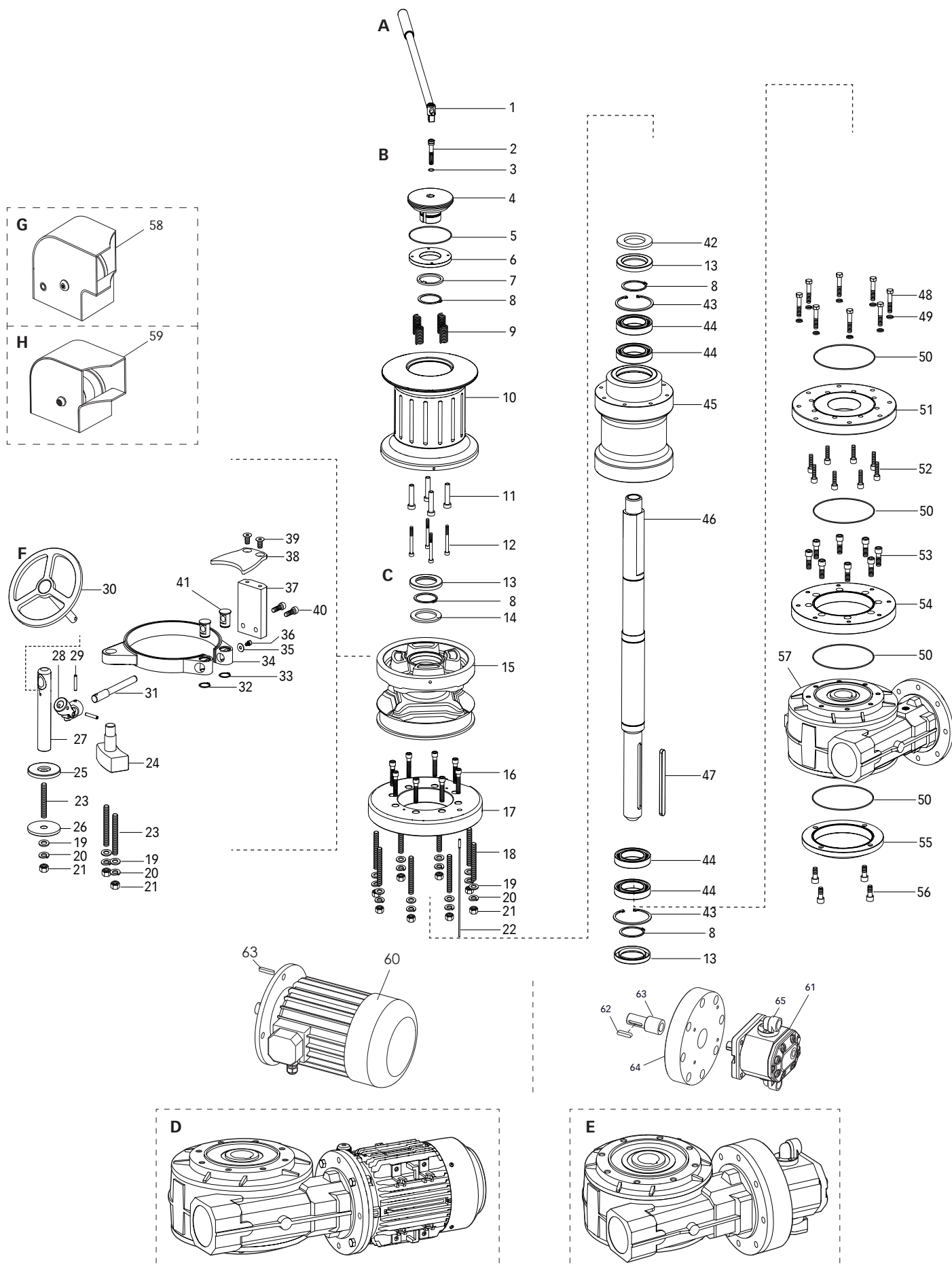
12.0 - XR7 spare parts

Refer to the exploded drawing on page 28

REF.	DESCRIPTION	CODE
A	OSP STAINLESS STEEL WINDLASS LEVER	FVSSLVSH4000A00
B	OSP DRUM BUSH XR7	FVSSGMSDCPX7A00
C1	OSP GYPSY 14MM DIN766 XR7	FVSSBXR714DNA00
C2	OSP GYPSY 16MM DIN766 XR7	FVSSBXR716DNA00
C3	12.5MM GYPSY OSP, XR7 STUD-LINK	FVSSBXR71250A00
C4	14MM GYPSY OSP, XR7 STUD-LINK	FVSSBXR71400A00
C5	16MM GYPSY OSP, XR7 STUD-LINK	FVSSBXR71600A00
D1	OSP MOTOR GEARBOX 4000W 24V XR7	FVSSR4024XR7A00
D2	OSP MOTOR GEARBOX 4000W 230/400V XR7	FVSSR40TRXR7A00
E	OSP MOTOR GEARBOX 5500W 230/400V XR7	FVSSR55TRXR7A00
F	OSP HYDRO MOTOR GEARBOX XR7	FVSSRHY13Q00A00

12.1 - XR7 spare parts - Accessories not included as standard

REF.	DESCRIPTION	CODE
G1	XR7 STAINLESS STEEL REMOTE BRAKE STRAIGHT HANDWHEEL	FSRBVHXR7000A00
G2	XR7 STAINLESS STEEL B00 REMOTE BRAKE TILTED HANDWHEEL	FSRBXR700000B00
H	XR7 REV1 LH STAINLESS STEEL CHAIN PIPE	FSPSXR7SX0R1A00
I	XR7 REV1 RH STAINLESS STEEL CHAIN PIPE	FSPSXR7DX0R1A00





No.	NAME				
1	LEVER	24	BAND BRAKE LOCK	48	SCREW
2	SCREW	25	UPPER WASHER	49	GROWER
3	O-RING	26	LOWER WASHER	50	O-RING
4	XR8 DRUM BUSHING	27	REMOTE BRAKE ROD	51	HUB FLANGE
5	O-RING	28	UNIVERSAL JOINT	52	SCREW
6	XR8 DRUM DISC	29	ELASTIC PIN	53	SCREW
7	ANTI-ROTATION RING	30	REMOTE BRAKE HANDWHEEL	54	REDUCTION GEAR FLANGE
8	EXTERNAL SNAP RING	31	BAND BRAKE SHAFT	55	XR8 REDUCTION GEAR CLOSING FLANGE
9	SPRING	32	EXTERNAL SNAP RING	56	SCREW
10	XR8 WINDLASS DRUM	33	EXTERNAL SNAP RING	57	TG150 GEARBOX
11	DRUM DISC SPACER	34	XR8 SERIES BAND BRAKE	58	RH CHAIN PIPE
12	SCREW	35	FLAT WASHER	59	LH CHAIN PIPE
13	OIL SEAL	36	SCREW	60A	MOTOR 5.5KW
14	ANTI-ROTATION RING	37	XR8 CHAIN STRIPPER SUPPORT	60B	MOTOR 7.5KW
15	GYPSY	38	XR8 SERIES CHAIN STRIPPER	61	HYDRAULIC MOTOR
16	SCREW	39	COUNTERSUNK SCREW	62	KEY
17	XR8 SERIES WINDLASS BASE	40	SCREW	63	ADAPTER
18	STUD	41	XR8 BRASS PIN	64	HYDRAULIC MOTOR FLANGE
19	WASHER	42	REINFORCING WASHER	65	90° FLANGE
20	GROWER	43	INTERNAL SNAP RING		
21	NUT	44	BEARING		
22	SENSOR	45	XR8 BASE INSERT		
23	STUD	46	XR8 SERIES WINDLASS SHAFT		
		47	KEY		

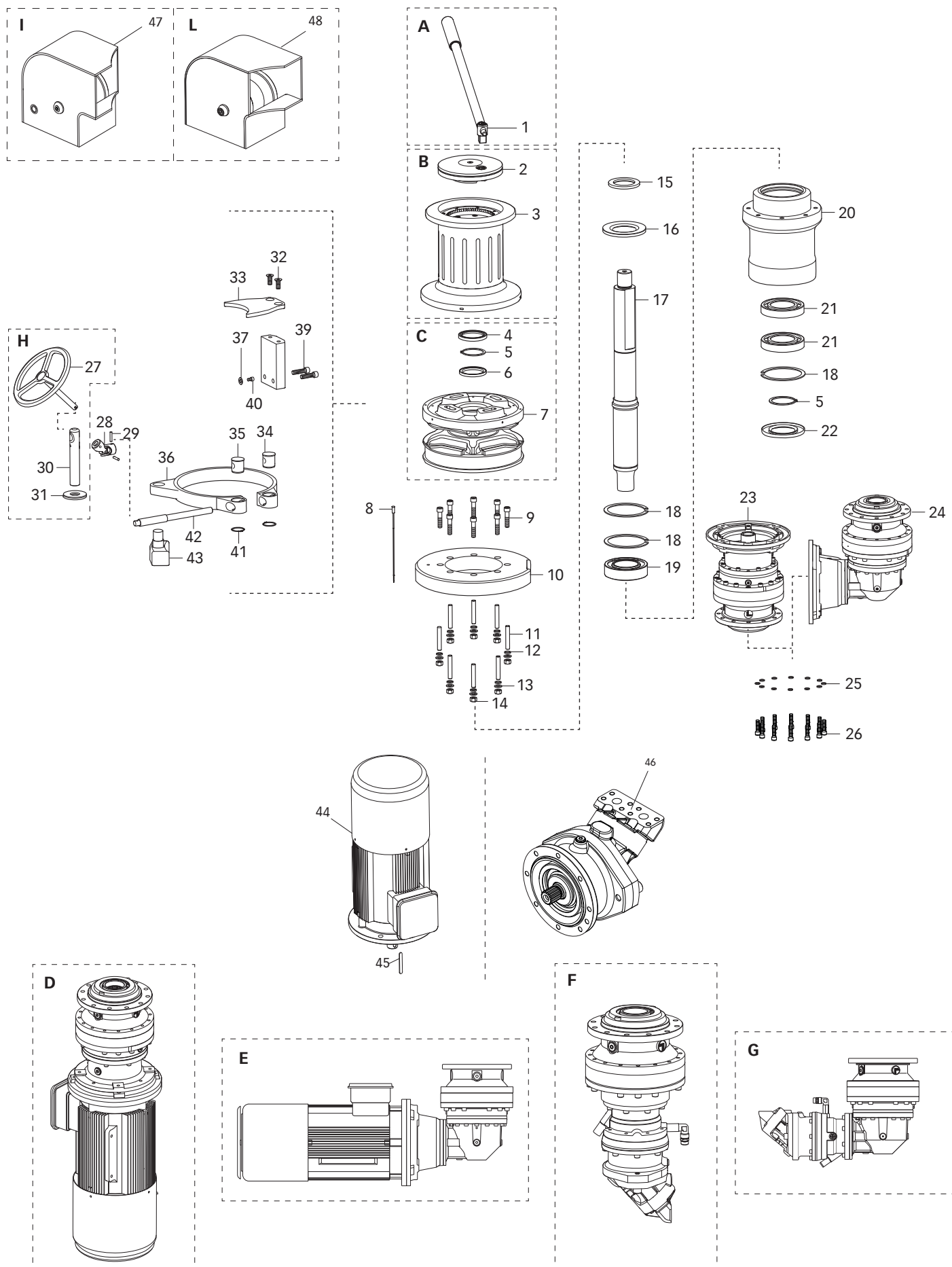
13.0 - XR8 spare parts

Refer to the exploded drawing on page 32

REF.	DESCRIPTION	CODE
A	OSP STAINLESS STEEL WINDLASS LEVER	FVSSLVSH4000A00
B	OSP DRUM BUSH XR8	FVSSGMSDCPX8A00
C1	16MM GYPSY OSP, XR8 STUD-LINK	FVSSBXR81600A00
C2	17.5MM GYPSY OSP, XR8 STUD-LINK	FVSSBXR81700A00
C3	19MM GYPSY OSP, XR8 STUD-LINK	FVSSBXR81900A00
C4	20.5MM GYPSY OSP, XR8 STUD-LINK	FVSSBXR82050A00
C5	22MM GYPSY OSP, XR8 STUD-LINK	FVSSBXR82200A00
D1	OSP MOTOR GEARBOX 5500W 230/400V XR8	FVSSR55TRXR8A00
D2	OSP MOTOR GEARBOX 7500W 400/690V XR8	FVSSR75TRXR8A00
E	OSP HYDRO MOTOR GEARBOX XR8	FVSSRHYTRXR8A00

13.1 - XR8 spare parts - Accessories not included as standard

REF.	DESCRIPTION	CODE
F1	XR8 STAINLESS STEEL B00 REMOTE BRAKE TILTED HANDWHEEL	FSRBXR800000B00
F2	XR8 STAINLESS STEEL REMOTE BRAKE STRAIGHT HANDWHEEL	FSRBVHXR8000A00
G	XR8 COMPL LH STAINLESS STEEL CHAIN PIPE	FSPSXR8SX000A00
H	XR8 COMPL RH STAINLESS STEEL CHAIN PIPE	FSPSXR8DX000A00





No.	NAME				
1	LEVER	19	BEARING	38	XR9 SERIES CHAIN STRIPPER
2	XR9 DRUM BUSHING	20	XR9 BASE INSERT	39	SCREW
3	XR9 WINDLASS DRUM	21	BEARING	40	SCREW
4	OIL SEAL	22	OIL SEAL	41	EXTERNAL SNAP RING
5	EXTERNAL SNAP RING	23	VERTICAL GEARBOX	42	BAND BRAKE SHAFT
6	ANTI-ROTATION RING	24	HORIZONTAL GEARBOX	43	BAND BRAKE LOCK
7	GYPSY	25	UPPER WASHER	44A	AC MOTOR
8	SENSOR	26	SCREWS	45	KEY
9	SCREWS	27	REMOTE BRAKE HANDWHEEL	46	HYDRAULIC MOTOR
10	XR9 SERIES WINDLASS BASE	28	UNIVERSAL JOINT	47	RH CHAIN PIPE
11	STUDS	29	ELASTIC PIN	48	LH CHAIN PIPE
12	WASHER	30	REMOTE BRAKE ROD		
13	GROWER	31	UPPER WASHER		
14	NUT	32	COUNTERSUNK SCREW		
15	REINFORCING WASHER	33	EXTERNAL SNAP RING		
16	OIL SEAL	34	XR8 SERIES BAND BRAKE		
17	XR9 SERIES WINDLASS SHAFT	35	FLAT WASHER		
18	INTERNAL SNAP RING	36	SCREW		
		37	XR8 CHAIN STRIPPER SUPPORT		

14.0 - XR9 spare parts

Refer to the exploded drawing on page 30

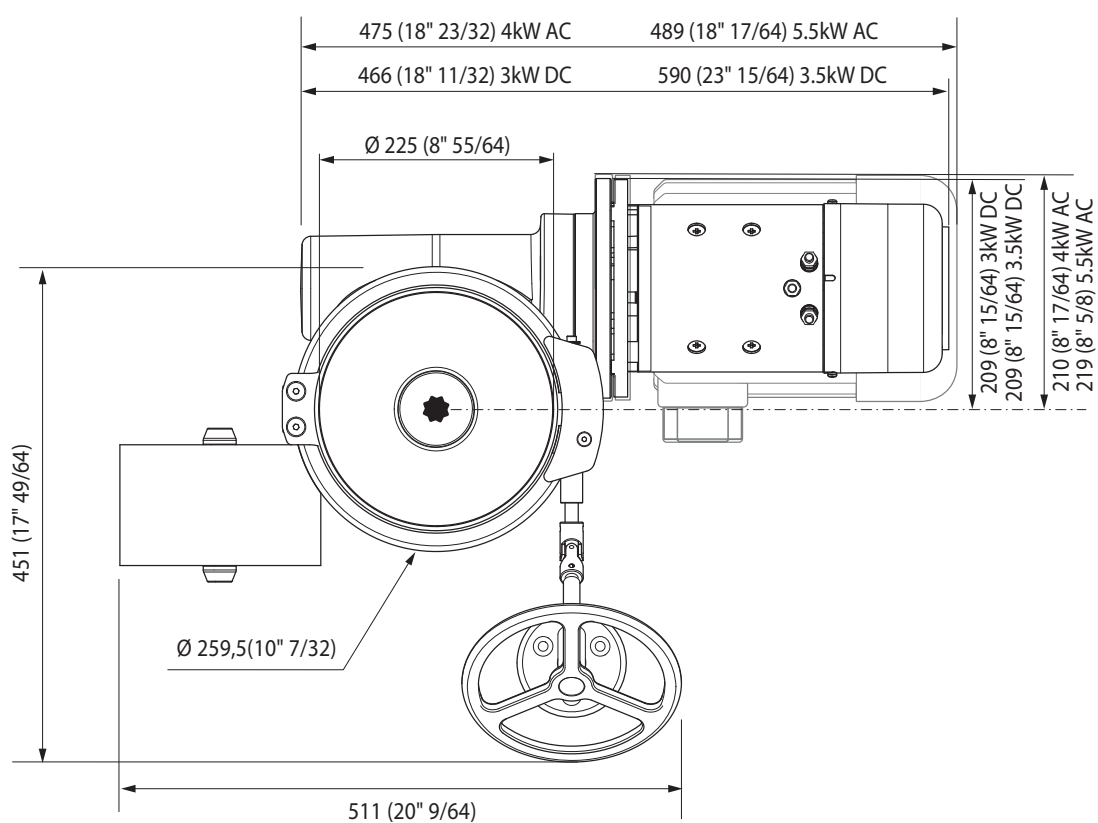
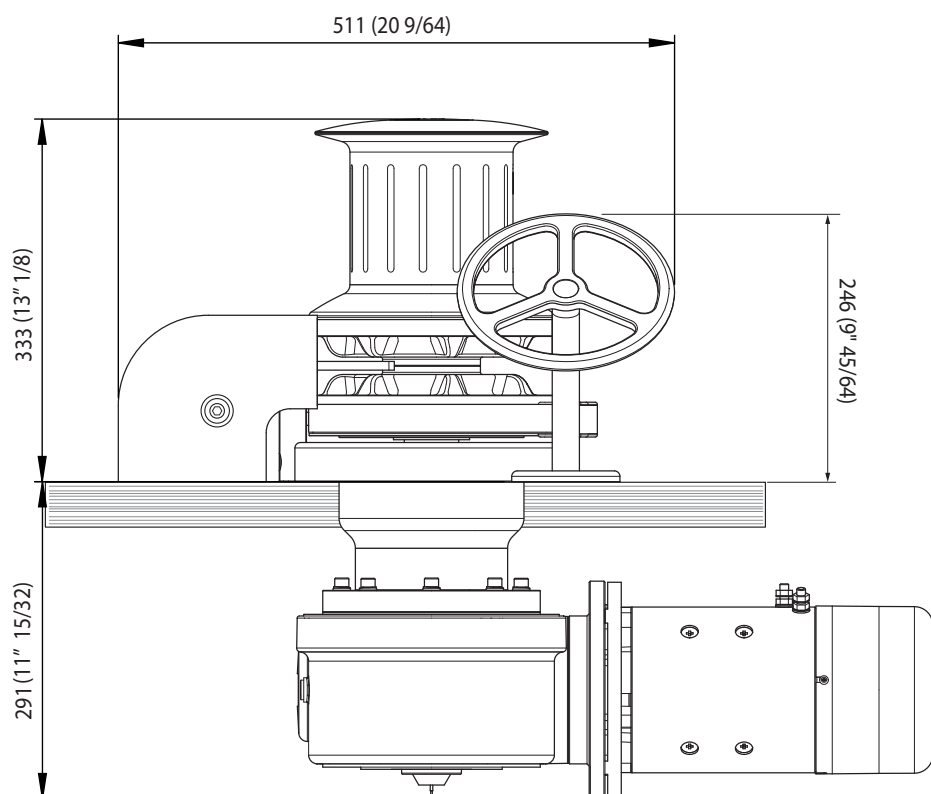
REF.	DESCRIPTION	CODE
A	OSP STAINLESS STEEL WINDLASS LEVER	FVSSLVSH4000A00
B	OSP DRUM BUSH XR9	FVSSGMSDCPX9A00
C1	22MM GYPSY OSP, XR9 STUD-LINK	FVSSBXR92200A00
C2	24MM GYPSY OSP, XR9 STUD-LINK	FVSSBXR92400A00
C3	26MM GYPSY OSP, XR9 STUD-LINK	FVSSBXR92600A00
D	OSP LINEAR MOTOR GEARBOX 15000W 400/690V XR9	FVSSR15TLXR9A00
E	OSP RIGHT-ANGLE MOTOR GEARBOX 15000W 400/690V XR9	FVSSR15TRXR9A00
F	OSP HYDRO LINEAR MOTOR GEARBOX XR9	FVSSRHYLXR90A00
G	OSP HYDRO RIGHT-ANGLE MOTOR GEARBOX XR9	FVSSRHYTRXR9A00

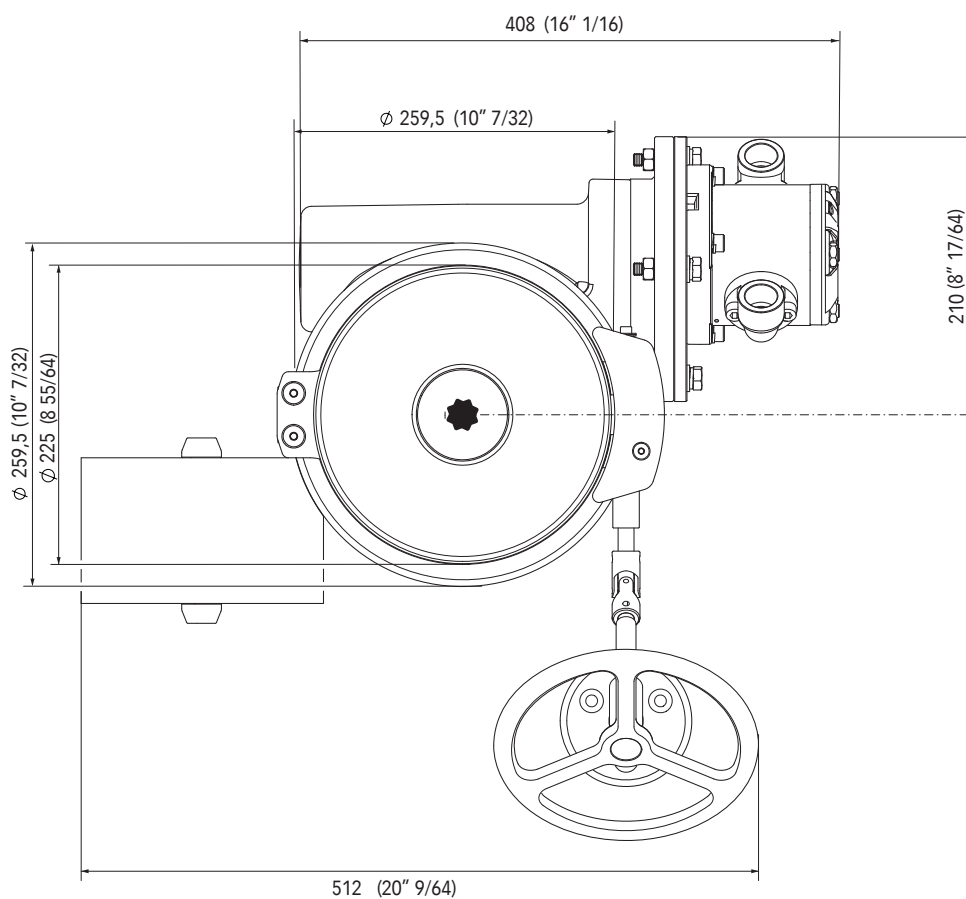
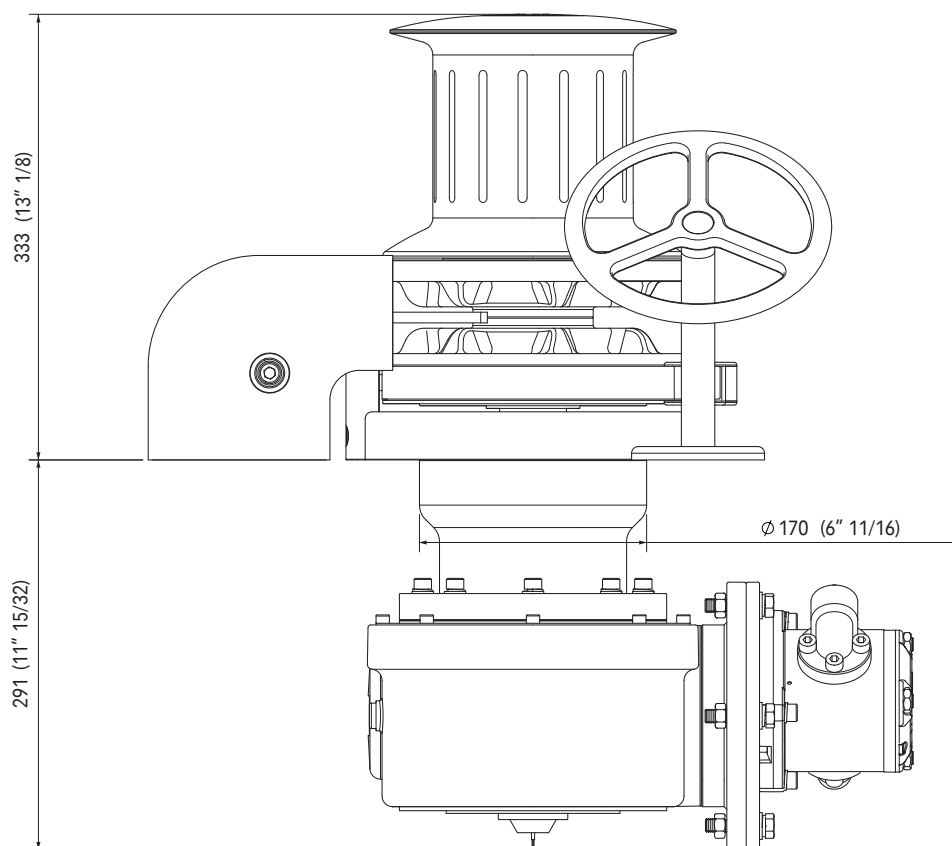
14.1 - XR9 spare parts - Accessories not included as standard

REF.	DESCRIPTION	CODE
H1	XR9 STAINLESS STEEL REMOTE BRAKE TILTED HANDWHEEL	FSRBXR900000A00
H2	XR9 STAINLESS STEEL REMOTE BRAKE STRAIGHT HANDWHEEL	FSRBVHXR9000A00
I	XR9 COMPL LH STAINLESS STEEL CHAIN PIPE	FSPSXR9SX000A00
L	XR9 COMPL RH STAINLESS STEEL CHAIN PIPE	FSPSXR9DX000A00



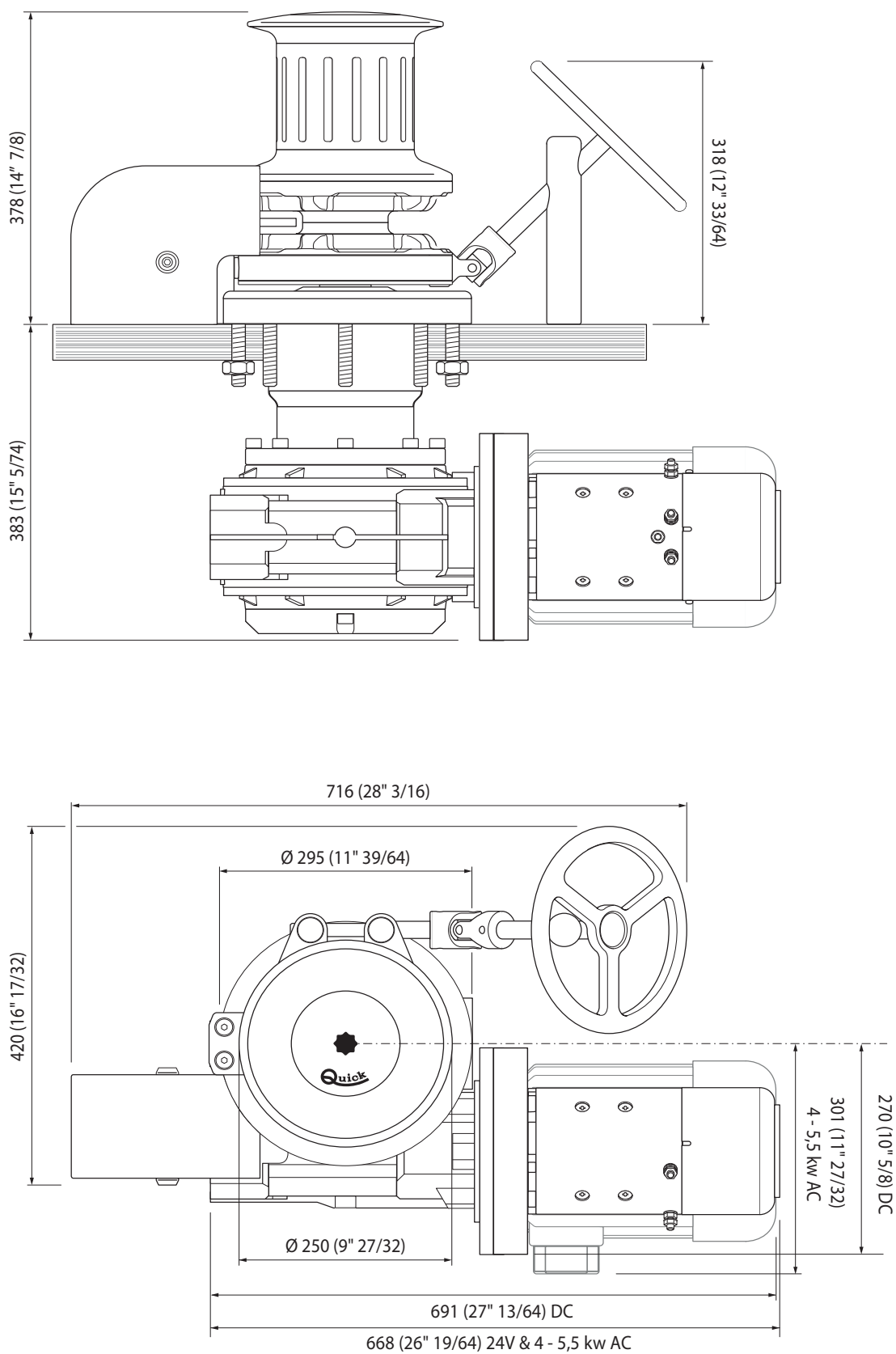
XR6 3000/3500KW DC
XR6 4000/5000W AC





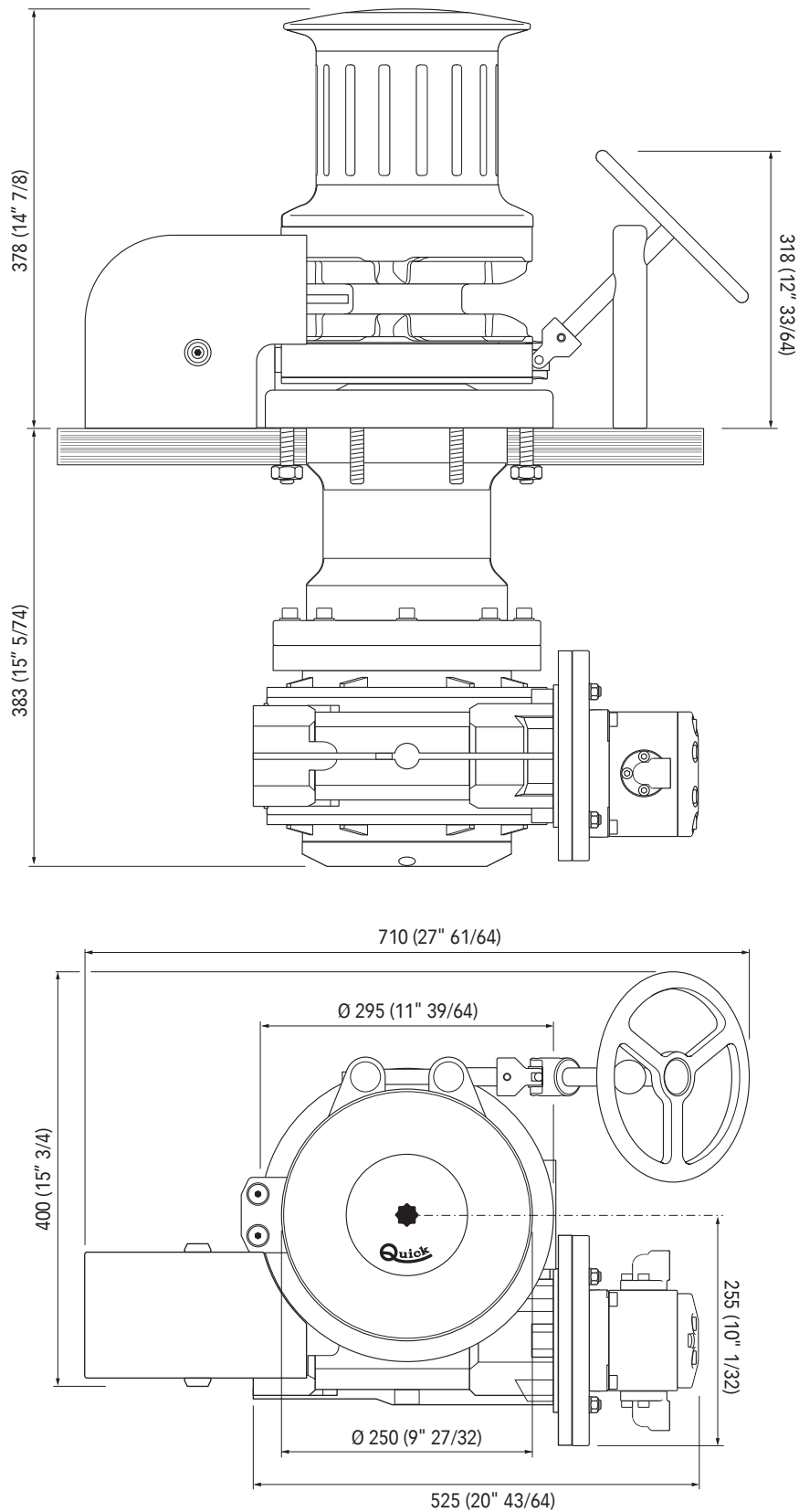


XR7 4000W DC
XR7 4000/5000W AC

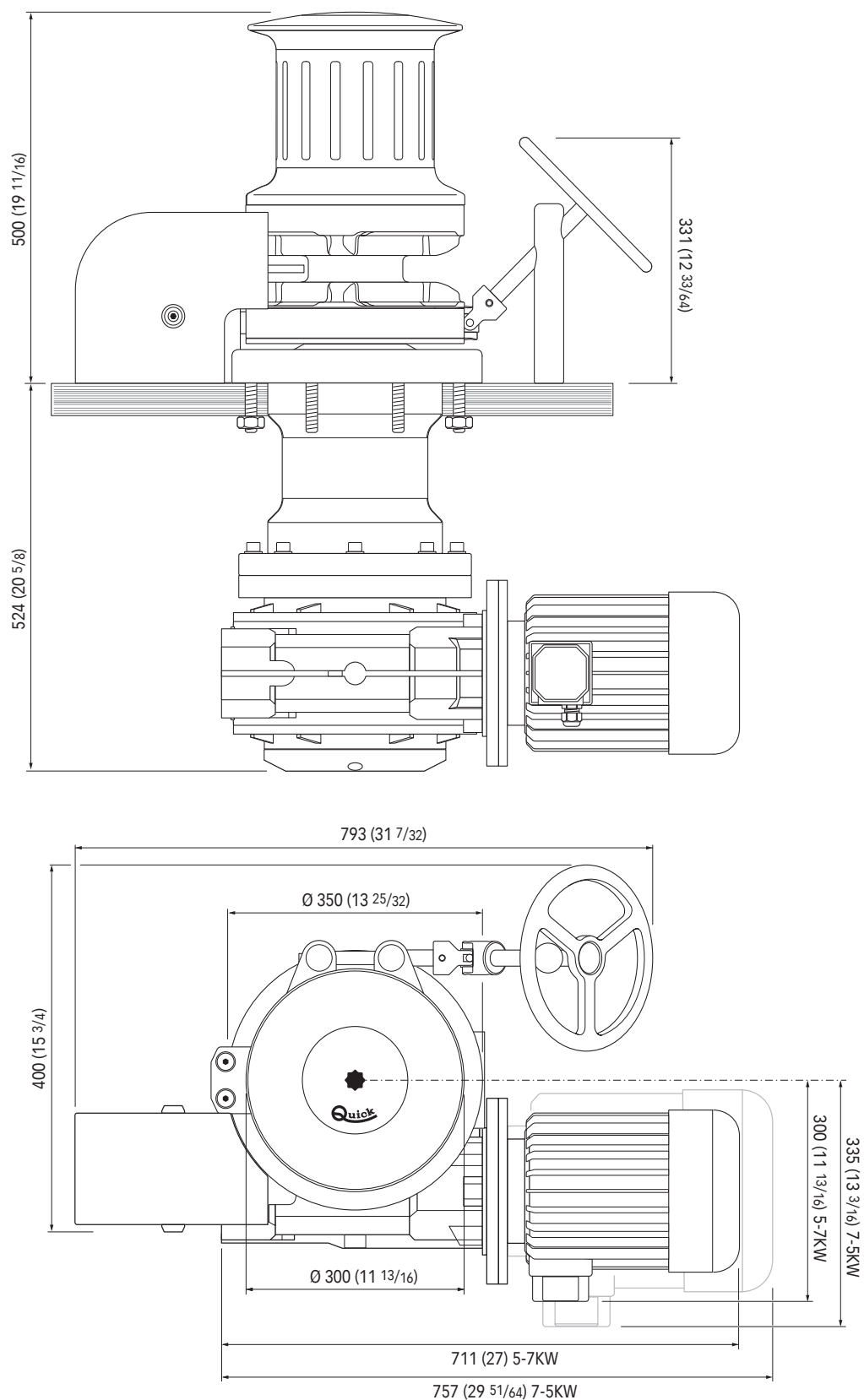




XR7 HYDRO

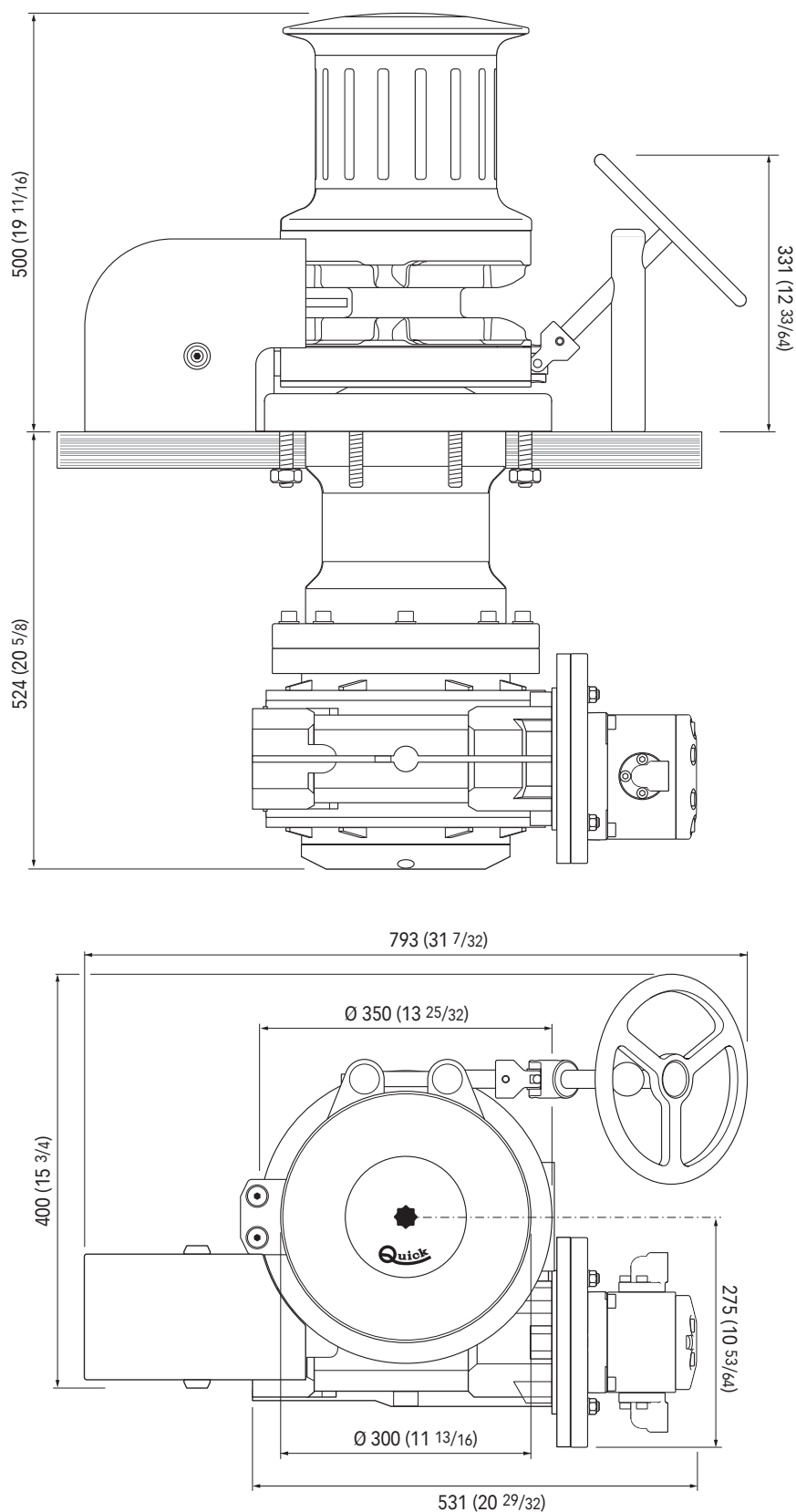


XR8 5500AC - 7500AC

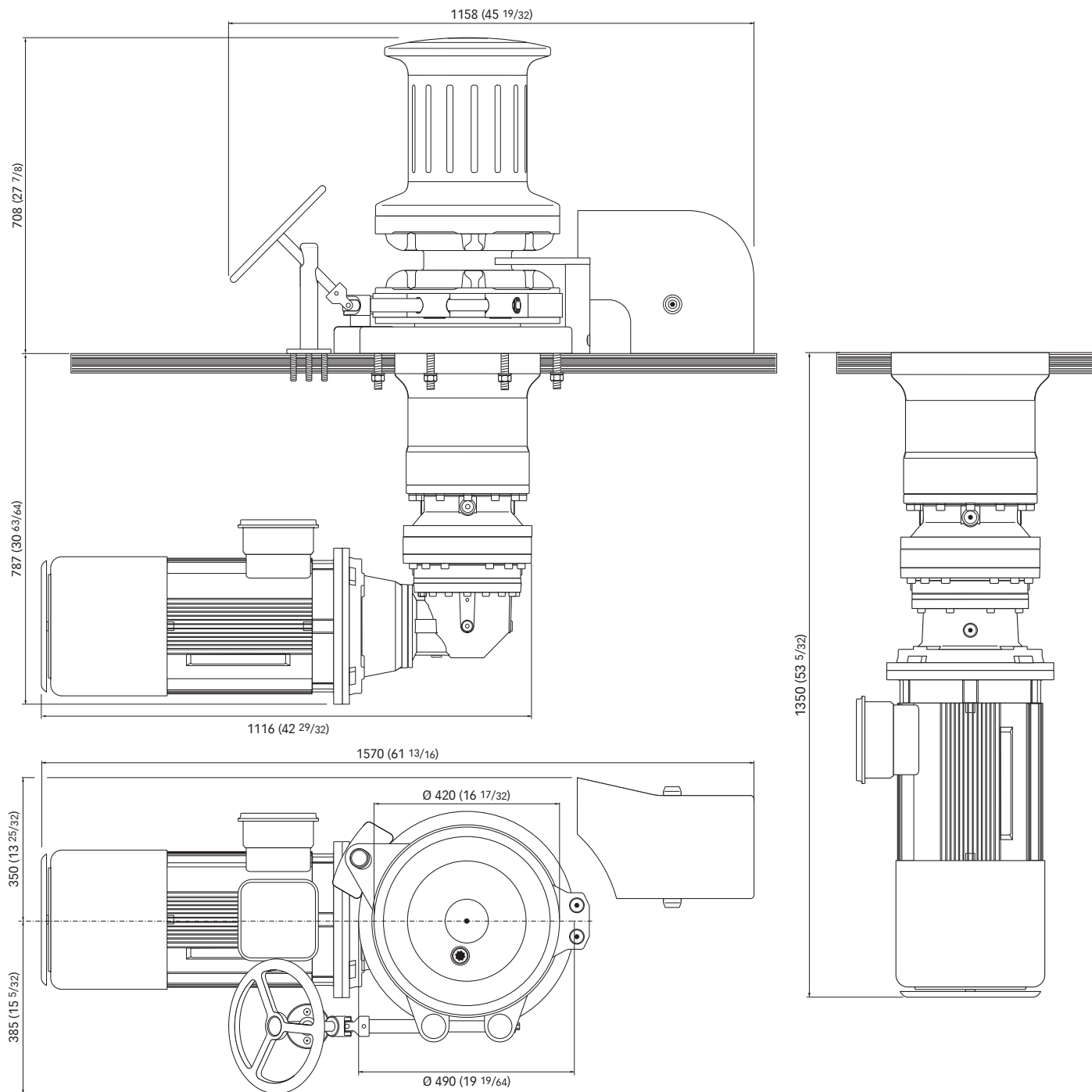




XR8 HYDRO

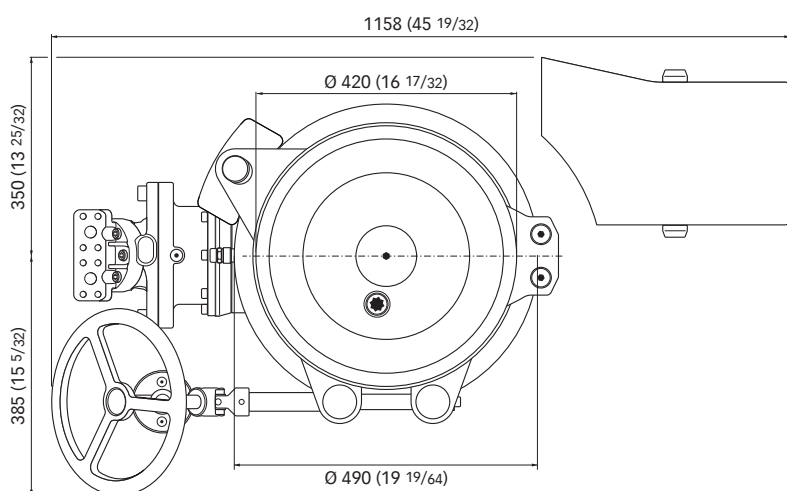
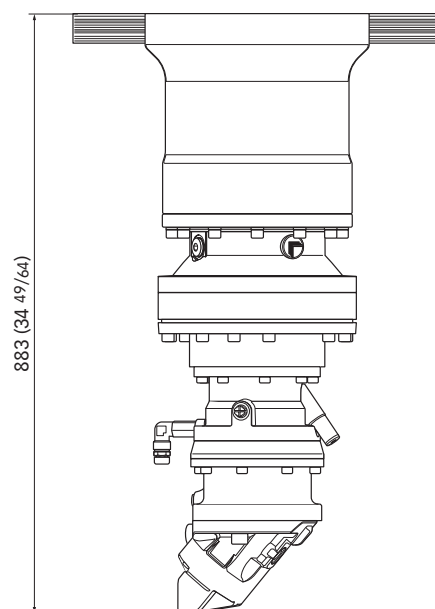
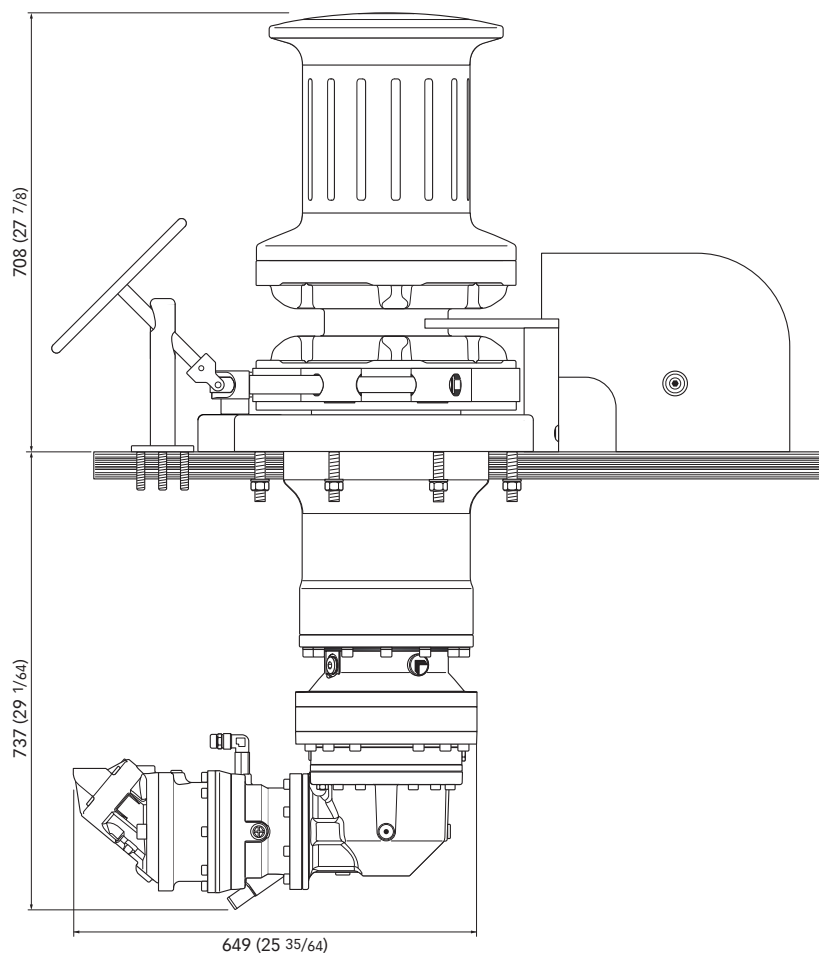


XR9 15000AC





XR9 HYDRO





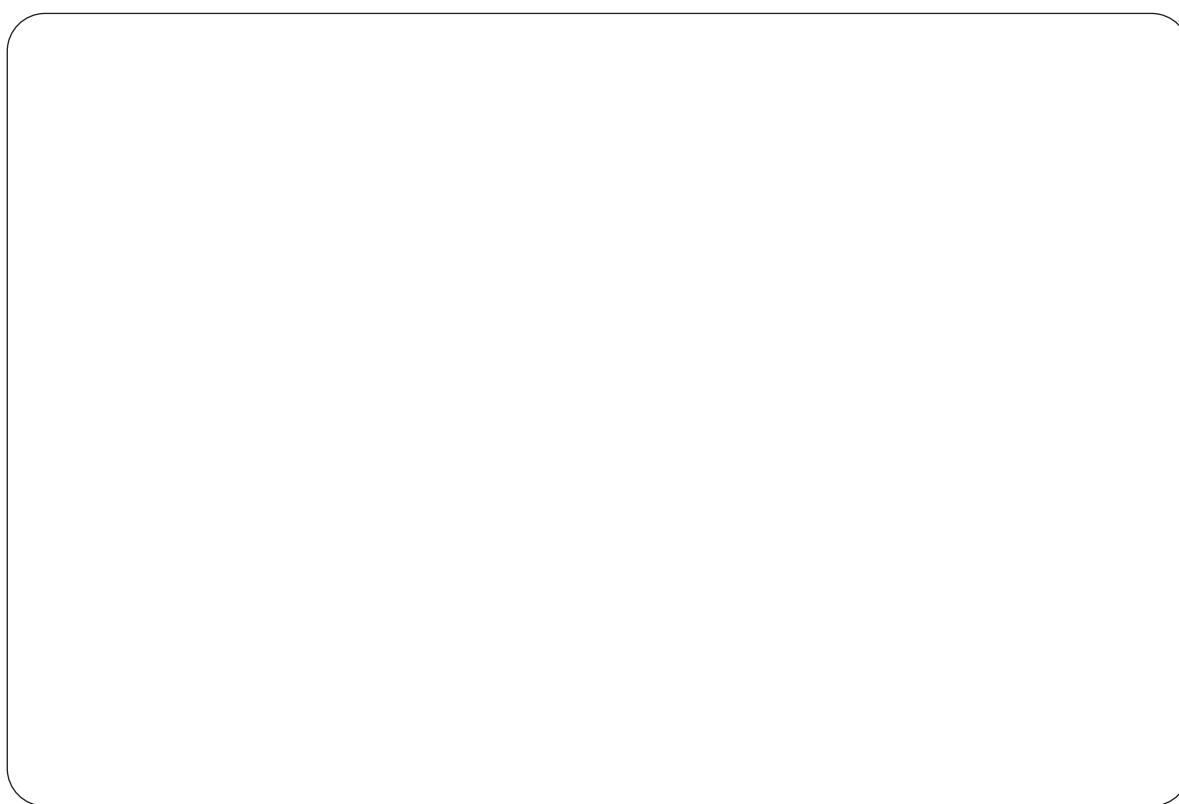
XRSeries

XR7 4024 DC - 4000 AC - 5500 AC - HYDRO

XR8 5500 AC - 7500 AC - HYDRO

XR9 15000 AC - HYDRO

REV 002A



Product serial number



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