

# REL – 0.7 Te WLL - 500m - Electric Winch



## TECHNICAL SPECIFICATION

Weight without cable (Kg)	Cable diameter (mm)	Capacity (m)	Line speed (m/min)		WLL (Kg)		Brake (Kg) Minimum 1.5 WLL	
			First Layer	Top Layer	First Layer	Top Layer	First Layer	Top Layer
1395	18.5	500	66	110	700	381	1050	571
Supply Required		380-440V-3 Ph- 50/60 Hz			Frame details		Crash frame with guards, fork lifting pockets and certified lifting lugs	
Winch Electrical Motor		11Kw IP56 IE3			Winch drum dimensions		Drum core Ø 380 mm, Drum Length 481 mm, Flange Ø 850 mm	
Local Proportional Control		Bi-directionally joystick, tension and speed control potentiometers			Drum details		Plain drum; the wire is stored in 11 lays with 26 turns per lay	
Level wind		N/A			Cable		5 core umbilical	
Dimensions (LxWxH) Footprint		1730 x 1215 x 2065 mm 1490 x 1160 mm			Monitoring		Cable line In / Out and Tension readings via HMI	
Slip ring		Designed to accept Schleifringkörper YK16 or similar not within scope of supply			Qty 4 Off – 20 mm diameter holes within drum flange		Allow the winch drum to be "stoppered" off with chain and shackles when on a long tow	

### Principle of Operation:

The Constant Tension Winch drum is driven by a 11 kW SEW electric gearmotor through an output shaft. The drum motor Variable Speed Drive drives the electrical motor of the Drum with variable speed according to the control signals and rpm setpoint of the potentiometer. The Tension control is also controlled by the Variable Speed Drive with variable Tension according to setpoint of the potentiometer.

The non-drive side housings the bearing and slipring. The Slipring is not within the scope of supply.

The SEW Electric Motor combination is fitted with a failsafe brake unit. The brake, being failsafe, always defaults to on should, for any reason, the electrical supply is lost or the joystick is in its centre (neutral) position.

### The winch is supplied with the following:

- 1 Set - sacrificial steel feet/mounting plates for mounting at ship
- Marine grade paint system (Details can be supplied on application)
- 1 Set - Master Links and Shackles or a 4 leg lifting sling and shackles
- 12 Month Warranty
- Canvas Cover for transport and storage
- Operation and Maintenance Manual in Electronic Format

**Optional extras:** - please note these are not in the scope of supply but can be offered at extra cost.

- 1 Off – Slip Ring details to be supplied with order
- 1 Off – Full Spares Kit
- 1 Off – Extended Warranty
- 1 Off – Winch running flashing lights and/or Klaxon
- 1 Set – Spare sacrificial feet/mounting plates
- Remote Control wired or wireless



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