

# REL – 0.3 Te WLL - 1000m - 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
1750	25.7	1000	55	79	300	229	450	344
Supply Required		380-440V-3 Ph- 50/60 Hz			Cable Lead-off Angle		+/-30° Horizontal plane Min + 4° Max + 45° Vertical plane	
Winch Electrical Motor		4 Kw IP56 IE3			Frame details		Crash frame with guards, fork lifting pockets and certified lifting lugs	
Local Proportional Control		Bi-directionally proportional joystick and speed control potentiometer			Winch drum dimensions		Drum core Ø 668 mm, Drum Length 1242 mm, Flange Ø 1160 mm	
Level wind		Mechanical chain driven			Drum details		Lebus shell drum; the wire is stored in 7 lays with 55 turns per lay	
Dimensions (LxWxH) Footprint		2100 x 1691 x 1890 mm 2240 x 1650 mm			Cable		Umbilical CS 7292	
Slip ring		Designed to accept MOFLON MF0180 or similar not within scope of supply						

### Principle of Operation:

The winch drum is mounted on the output shaft of a 4 kW SEW electric gearmotor fitted with a failsafe brake unit and is connected to the corresponding drive inverter in the control panel. The speed of the drum is proportionally controlled via a potentiometer; its direction is determined by a 3 position, spring return to centre, joystick. These are both mounted locally on the Electric Winch Enclosure.

The brake, being failsafe, always defaults to on should, for any reason, electrical supply is lost or the control joystick is in its centre position. The non-drive side housings a bearing and a slipping.

The Level wind is mechanically chain driven from the SEW Electric gearmotor drive shaft and the cable is guided vis the level wind carriage assembly.

### 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.



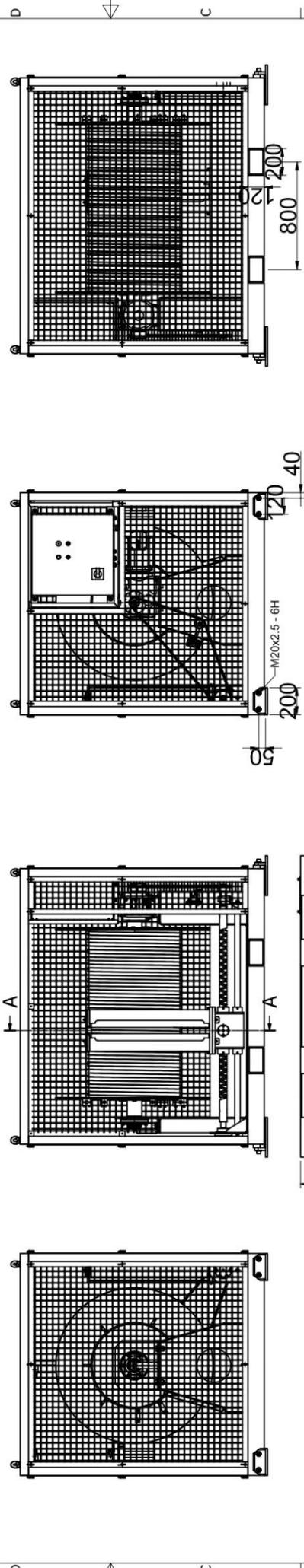
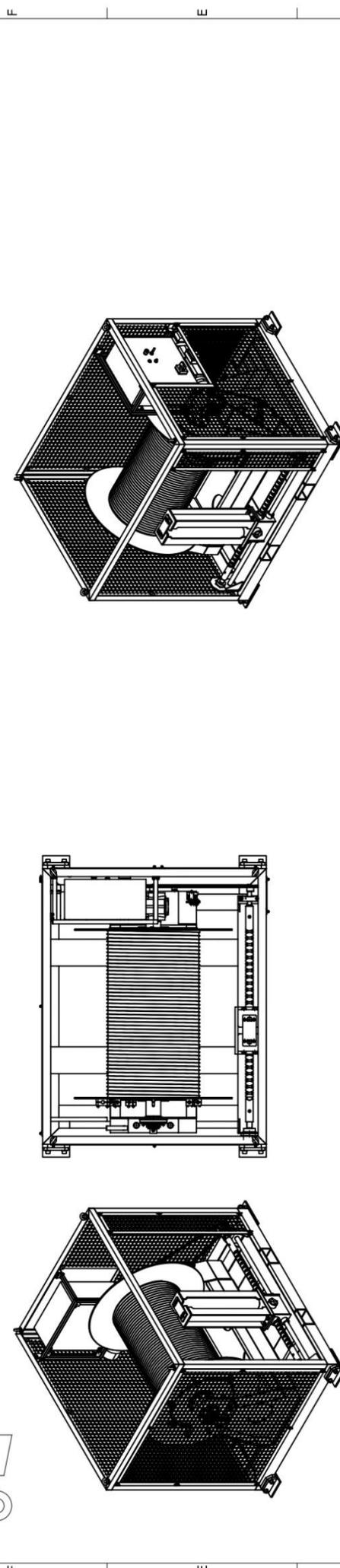
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REV	DESCRIPTION
1	
2	



TECHNICAL SPECIFICATION						
WEIGHT	DRUM CORE DIAMETER	CABLE DIAMETER	CAPACITY	LINE SPEED	WILL TOP LAYER	WILL DRUM LAYER
1750 Kg	668 mm	25.7 mm	1000	67 m/min	278 Kg	402 Kg
					TOP LAYER	DRUM LAYER
					588 Kg	850 Kg

ITEM	PART No.	DESCRIPTION	NO OFF.	MATL.	WEIGHT
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ORIGINAL SCALE	TITLE				DWG. No.
1:20	REL - 0.4 TE WILL - Electric Winch				DS02
					A2
					SHT 1
					OF 1

ISSUE	1.	2.	3.	4.	5.	6.	7.	8.
DESIGNED	Meri B.	Meri B.	Meri B.					
CHECKED	Struczaj M.	Struczaj M.	Struczaj M.					
APPROVED	Struczaj M.	Struczaj M.	Struczaj M.					
DATE	11.10.2018	24.10.2018	29.11.2018					