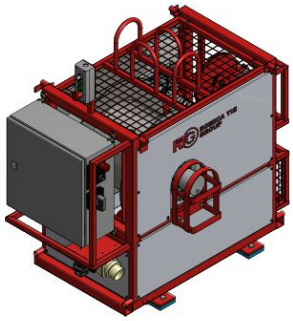
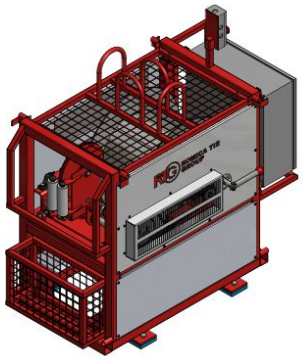
ROMICA TIE GROUP

DATA SHEET DS83

0.24 Te WLL – 2.2kW - 700m - 1 Ø Electric Winch – DS83





TECHNICAL SPECIFICATION

Weight without cable (Kg)	Cable diameter (mm) and Capacity (m)	Line speed (m/min)	WLL (Kg)		Brake (Kg) Minimum 1.5 WLL	
			First Layer	Top Layer	First Layer	Top Layer
388	6 mm – 1200 m, 8.18 mm – 700 m 10 mm – 550 m, 12 mm -300 m	35	240	200	360	300

Supply Required	220-254V-1 Ph- 50/60 Hz	**Cable Lead-off Angle**	+/-15° Horizontal plane Min + 0° Max + 65° Vertical plane
Winch Electrical Motor	2.2 Kw IP56 IE3 Right angle gearbox combined with chain transmission	**Frame details**	Winch within enclosed stainless-steel frame and guards, soft sling lifting slots
Local Control / Remote Pendant	Local control pendant with 5 mtr cable and remote pendant with 20 mtr cable	**Winch drum dimensions**	Drum core Ø 400 mm, Drum Length 330 mm, Flange Ø 620 mm
Spooling device	Chain driven diamond screw type Sprocket and chain changeable for cable sizes	**Drum details**	Plain drum: the wire is stored in 12 lays, 40 turns per lay with 8.18 Ø
Dimensions (LxWxH) Footprint	1336 x 805 x 1276 mm 584 x 635mm (mounting plate between centres)	**Winch drum locking system**	30 degree increments via a mechanical lever
Slip ring	Designed to accept Focal 180 or similar not within scope of supply. Additional, interface mounted slip ring max. diameter 75mm	**Additional storage**	Additional storage for deck lead, remote pendant.

Principle of Operation:

The winch drum is driven by a chain mounted on the output shaft of a 2.2 kW SEW electric gearmotor fitted with a failsafe brake unit and is connected to the corresponding drive inverter in the control panel. The drum electrical drive is controlled by a pendant with the following controls, direction is determined by 2 momentary pushbuttons, speed is adjusted by a potentiometer and an Emergency Stop.
There are 2 pendants, the local remote pendant (hard wired) has a 5 meter cable and the detachable remote pendant has a 20 meter cable. Both pendants can be stored within the winch frame

The brake, being failsafe, always defaults to on should, for any reason, electrical supply is lost, or any momentary pushbuttons is released. The non-drive side housings a bearing and a slipring.

The spooling device is mechanically chain driven from the SEW Electric gearmotor drive shaft and the cable is guided via the carriage assembly. To ensure correct spooling of the cable range 6 -12mm there are three sprocket, chain, and sheave wheel configurations.

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 Off – Sprocket, Chain & sheave for Rochester A 320327 8.18mm coax**
- **12 Month Warranty**
- **Canvas Cover for transport and storage**
- **Operation and Maintenance Manual in Electronic Format**

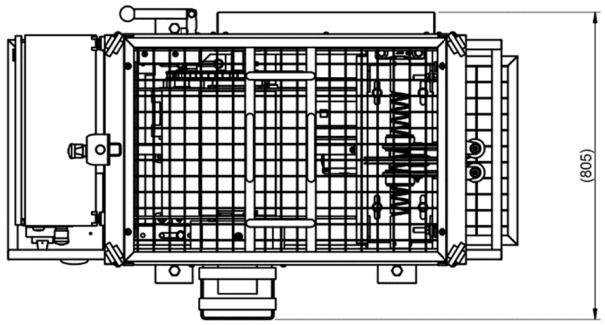
Optional extras: - please note these are not in the scope of supply but can be offered at extra cost.

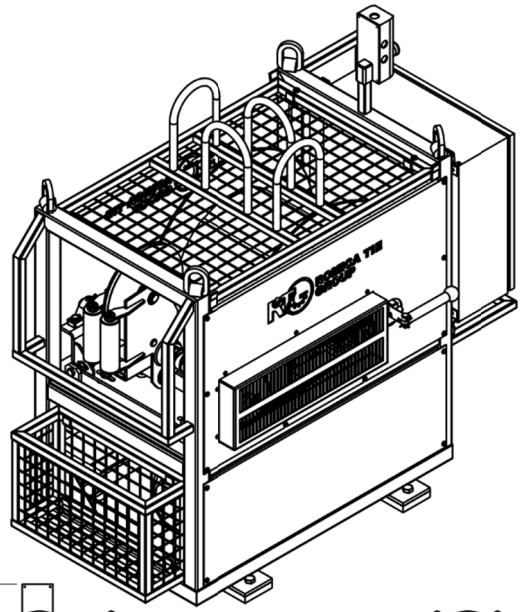
- **1 Off – Slip Ring details to be supplied with order**
- **1 Off – Extended Warranty**
- **1 Off – Sprocket, Chain & Sheave 10mm**
- **1 Off – Sprocket, Chain & Sheave 12mm**
- **1 Off – Full Spares**
- **1 Set – Spare sacrificial feet/mounting plates**
- **Sub-base with forklift pockets**

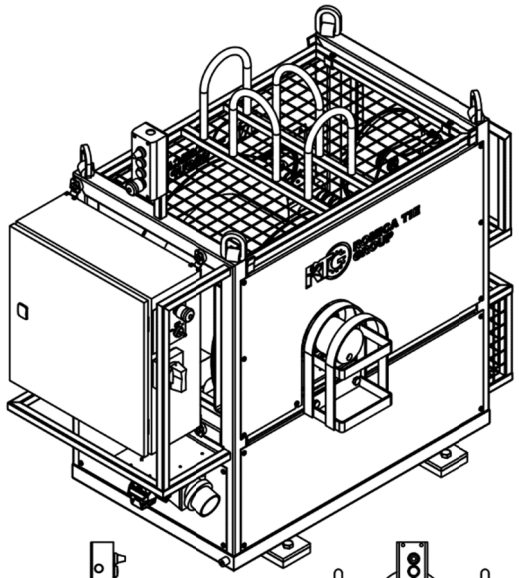
Romica Engineering Ltd (UK)
Romica Business Centre,
Beck View Road,
Beverley, HU17 0JT, United Kingdom
P: (+44) 148 285 3884
F: (+44) 148 285 3884
www. http://romica.co.uk/

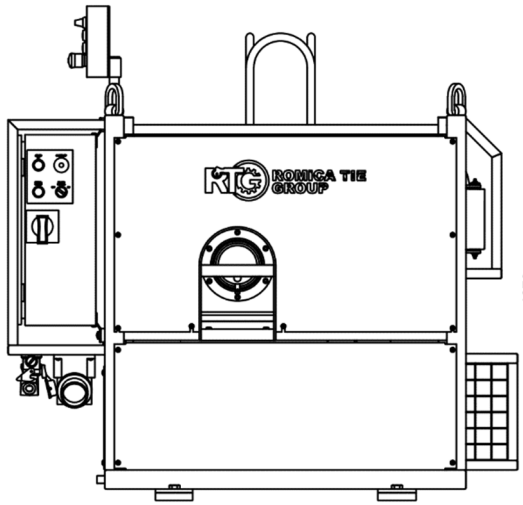
THIRD ANGLE PROJECTION

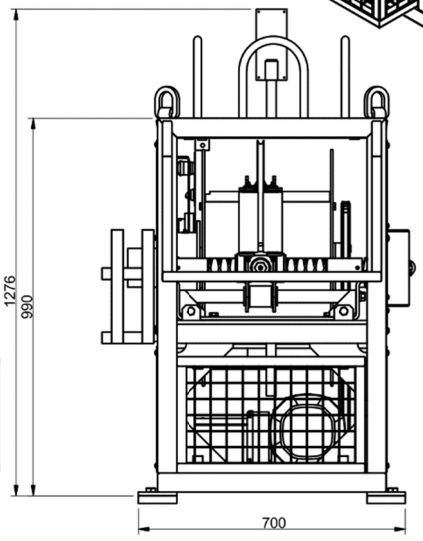
REV	DESCRIPTION
1	

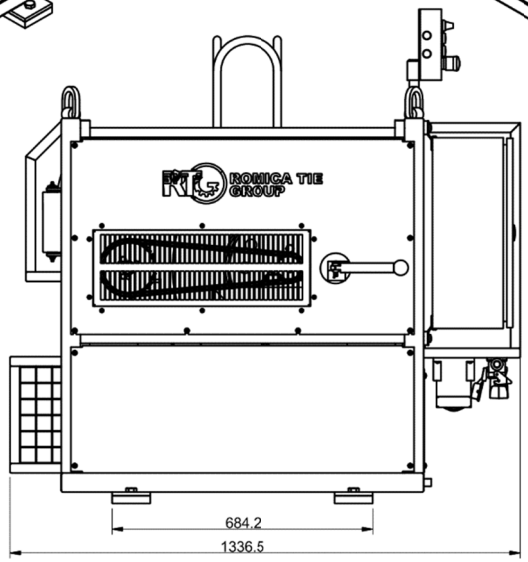


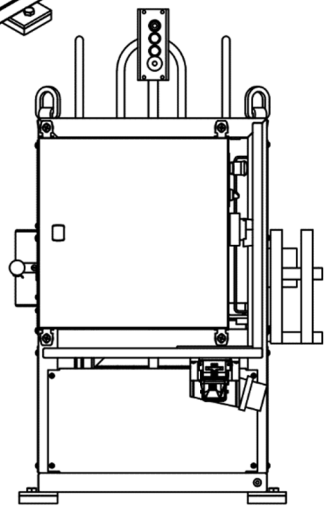












ITEM	PART No.	DESCRIPTION	No OFF	MATL.	WEIGHT

ISSUE	1.	2.	3.	4.	5.	6.	7.	8.
DESIGNED	Mihai Struczuj							
CHECKED	BM							
APPROVED	IL							
DATE	03.08.2020							

romica engineering
Romica Engineering Limited, Romica Business Centre, Beck View Road, Beverley,HU17 0JT, England, United Kingdom
Tel/Fax: +44 (0)1482 853884 ; Email: sales@romica.co.uk
www.romica.co.uk

ORIGINAL SCALE	TITLE	DRG. No.	
	0.24 Te WLL - 2.2kW - 700m - 1 Phase Electric Winch	DS83	A2 SHT 1 OF 1