

# REL – 7.4 Te WLL - 1000m - Hydraulic 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
4500	22	1000	30	16	7430	4500	11145	6750
Winch Hydraulic Drive Supply Required		PWD3700 200-300 bar 120-240 l/min			Cable Lead-off Angle		+/-15° Horizontal plane Min + 4° Max + 40° Vertical plane	
Level Wind Electrical Motor Supply Required		1.5 Kw IP56 IE3 380-440V-3 Ph- 50/60 Hz			Frame details		Crash frame with guards, fork lifting pockets and certified lifting lugs	
Local Proportional Control		Bi-directionally proportional joystick			Winch drum dimensions		Drum core Ø 500 mm, Drum Length 836 mm, Flange Ø 1180 mm	
Level wind		Electrically automatic pulse driven level wind with manual adjustment			Drum details		Plain drum; the wire is stored in 12 lays with 38 turns per lay	
Dimensions (LxWxH) Footprint		2410 x 1750 x 2063 mm 2410 x 1750 mm			Cable		22 mm but can accept the range 8 to 22 mm wire rope, overwound	
Slip ring		Designed to accept Focal 180 or similar not within scope of supply			Hydraulic Ports		P G3/4" BSP, T G1" BSP, D G1/2" BSP	

### Principle of Operation:

The winch drum is driven directly from a Brevini gearbox, hydraulic motor and load valve combination. 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 electrically driven from the 1.5 kW SEW Electric gearmotor. The level wind is PLC controlled, is automatic with a manual override. The Level wind can be adjusted to accept a variety of cable diameters if required. The top vertical roller is easily removed to allow the cable to be removed from the levelwind carriage as required, hence preserving the end termination during cable changes.

The front crash bar is secured with bolts and is removable and stored within the winch in the 'Working 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 – Extended Warranty
- 1 Off – Winch running flashing lights and/or Klaxon
- 1 Off – Full Spares Kit
- 1 Off – Spare Programmed SD Card for level wind control.
- 1 Off – Laptop c/w software and leads for on-site fault diagnosis.
- 1 Set – Spare sacrificial feet/mounting plates
- Remote Control wired or wireless

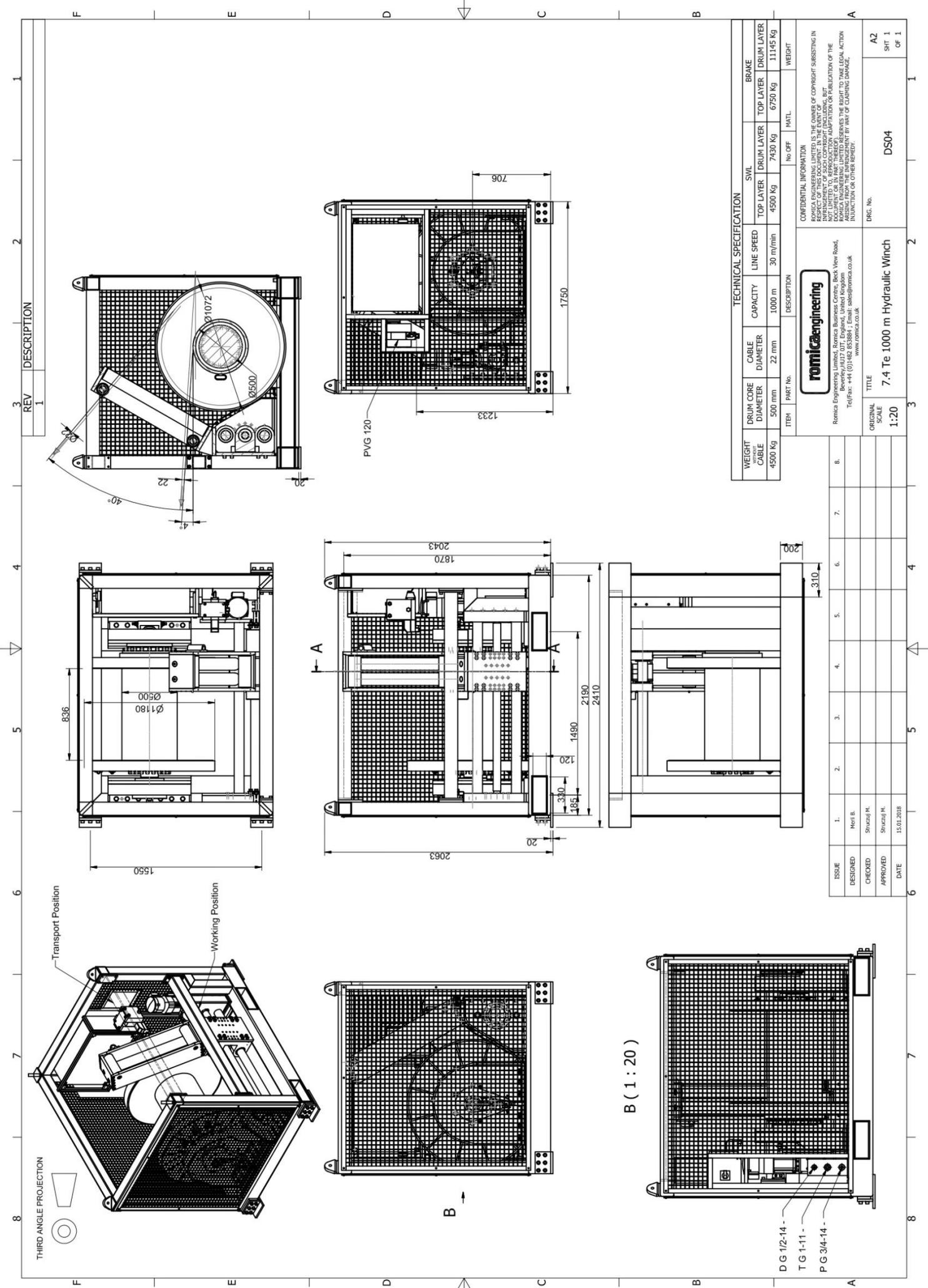


Romica Engineering Ltd (UK)

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

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REV	DESCRIPTION
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TECHNICAL SPECIFICATION					
ITEM	PART No.	DESCRIPTION	No OFF	MATL	WEIGHT
WEIGHT	4500 Kg				
DRUM CORE DIAMETER	500 mm				
CABLE DIAMETER	22 mm				
CAPACITY	1000 m				
LINE SPEED	30 m/min				
TOP LAYER	4500 Kg				
DRUM LAYER	7430 Kg				
TOP LAYER	6750 Kg				
DRUM LAYER	11145 Kg				
BRAKE					

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<p>Romica Engineering Limited, Romica Business Centre, Beck View Road, Romica, Derbyshire, Derby, DE22 7LH, UK            Tel/Fax: +44 (0)1482 653886; Email: sales@romica.co.uk            www.romica.co.uk</p>	
TITLE	7.4 Te 1000 m Hydraulic Winch
ORIGINAL SCALE	1:20
DRG. No.	DS04
SHT 1	OF 1

ISSUE	1.	2.	3.	4.	5.	6.	7.	8.
DESIGNED	Neil B.							
CHECKED	Shiraz M.							
APPROVED	Shiraz M.							
DATE	15.01.2018							

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- D G 1/2-14 -
- T G 1-11 -
- P G 3/4-14 -