



SHUTTLE WINCH - ELECTRIC



MODEL NO. 16599-A – FAIRED CABLE WINCH



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The winch is a single drum type, and is electrically powered via 415V 3ph 60Hz electric supply. The drum drive is taken from a combined electric motor/gearbox unit which drives a gear ring, which is attached to the winch drum. The outboard side of the drum is supported in a ball bearing unit and the drum includes a mounting for a multi-slip ring unit for connection of the cable via a terminal box.

A junction box IS fitted to the side of the winch and accommodates the connections from the slip ring and the instrument display unit. The slip ring outlet is via a male connector LMPBH-8-MP suitable for the deck cable. The display outlet is via a 10 way panel socket 18-1S.

The design of the winch allows for the motor/gearbox unit and the slip ring assembly to be mounted inside the drum barrel with the brake acting on the outside.

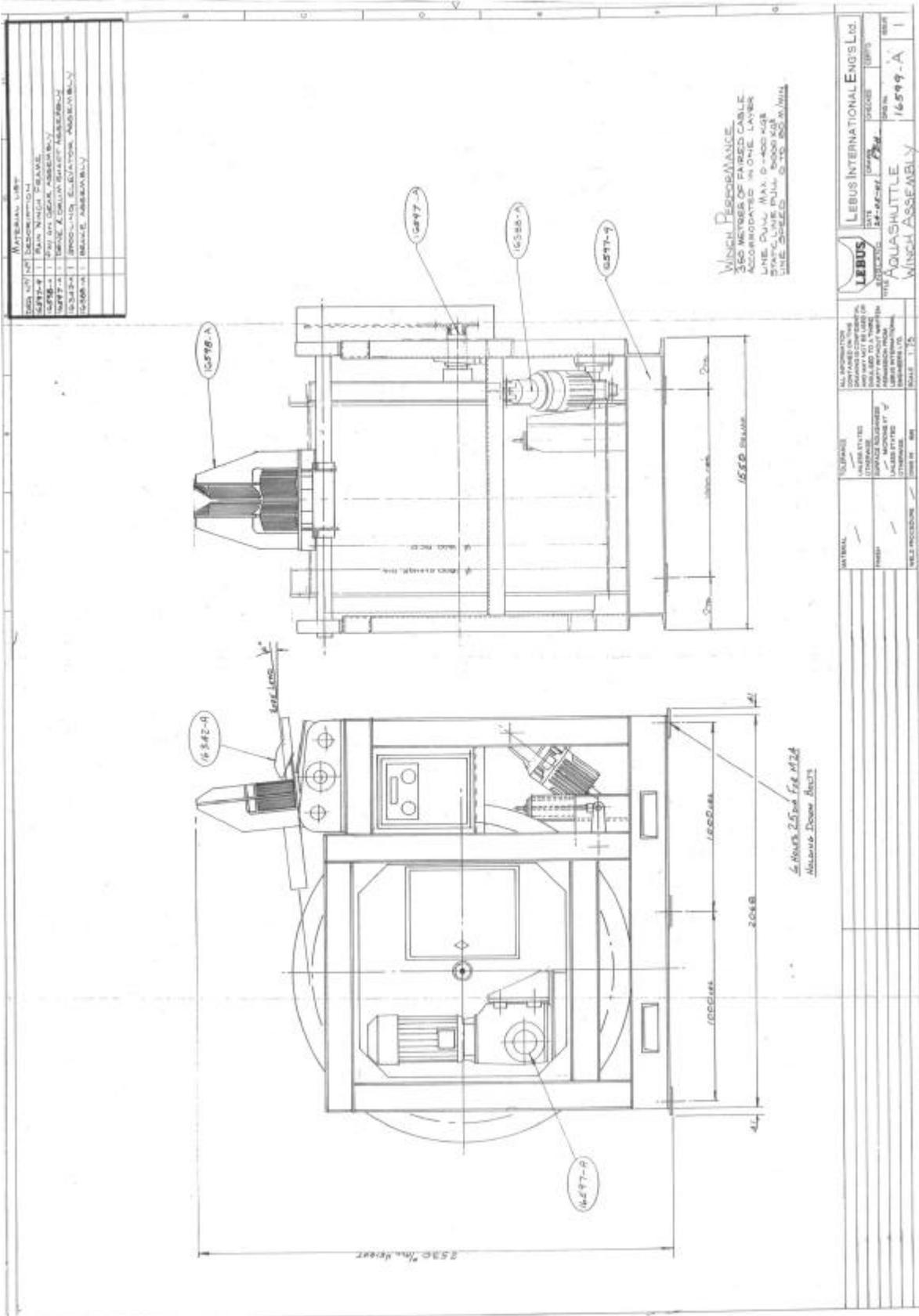
Positioned across the face of the drum is a roller type automatic spooling gear, which is driven in unison with the drum rotation. The spooling gear assembly incorporates a Lebus type fairing elevator shoe, which presents the fairing correctly for spooling onto the drum. This unit is adjustable to suit the fixed angle of cable run to the hanging sheave assembly. The control of the winch is via a manually operated control box, which would be attached to a 5-metre lead at the winch to allow the operator to move around.

Drum Capacity:	350m of Rochester Cable with 150m being faired with flexi-nose fairing cable accommodated in a single layer with the fairing standing vertical on the helically grooved barrel.
Winch Performance:	0 to 400 kgs. When ship is steaming at approximately 2 knots
Hauling loads	5 tonnes
Static towing loads	Infinitely variable from creep to 60m./min.
Hauling and veering line speeds	
Electrical Supply:	415 volt 3ph, 60Hz or 380 volt 3ph, 50Hz
Optional Extra:	Line Speed, length and load display can be supplied for mounting locally or remotely.

The whole winch is built to suit a marine environment with all chain drives suitable guarded and all steel work prepared and painted to suit a marine specification.

Overall Dimensions:	2.068 x 1.55 x 2.53 metres (length x breadth x height)
Approximate Weight:	6300 kg excluding cable

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MATERIAL LIBRARY	
16598-A	HOOK ASSEMBLY
16597-A	MOTOR AND GEAR ASSEMBLY
16597-B	GEAR
16599-A	SHUTTLE WINCH ASSEMBLY
16599-B	SHUTTLE WINCH ASSEMBLY
16599-C	SHUTTLE WINCH ASSEMBLY
16599-D	SHUTTLE WINCH ASSEMBLY
16599-E	SHUTTLE WINCH ASSEMBLY
16599-F	SHUTTLE WINCH ASSEMBLY
16599-G	SHUTTLE WINCH ASSEMBLY
16599-H	SHUTTLE WINCH ASSEMBLY
16599-I	SHUTTLE WINCH ASSEMBLY
16599-J	SHUTTLE WINCH ASSEMBLY
16599-K	SHUTTLE WINCH ASSEMBLY
16599-L	SHUTTLE WINCH ASSEMBLY
16599-M	SHUTTLE WINCH ASSEMBLY
16599-N	SHUTTLE WINCH ASSEMBLY
16599-O	SHUTTLE WINCH ASSEMBLY
16599-P	SHUTTLE WINCH ASSEMBLY
16599-Q	SHUTTLE WINCH ASSEMBLY
16599-R	SHUTTLE WINCH ASSEMBLY
16599-S	SHUTTLE WINCH ASSEMBLY
16599-T	SHUTTLE WINCH ASSEMBLY
16599-U	SHUTTLE WINCH ASSEMBLY
16599-V	SHUTTLE WINCH ASSEMBLY
16599-W	SHUTTLE WINCH ASSEMBLY
16599-X	SHUTTLE WINCH ASSEMBLY
16599-Y	SHUTTLE WINCH ASSEMBLY
16599-Z	SHUTTLE WINCH ASSEMBLY

WINDING PERFORMANCE.
350 METERS OF 1/2 INCH CABLE.
ACCORDING TO ONE LAYER
WINDING IN A 1650 MM
DIA. CABLE DRUM FOR
CABLE LINE PULL 1000 KG.
LINE SPEED 5 TO 100 M/MIN.

LEBUS INTERNATIONAL ENG SL 10	
DATE	1988
DESIGNER	LEBUS
PROJECT NO.	16599-A
REV.	1
LEBUS INTERNATIONAL AQUASHUTTLE WINCH ASSEMBLY	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE	DATE 11/75
MATERIAL	STEEL
WELD PROCEDURE	AS PER DRAWING
SCALE	1:1