Contact Name:
Email:
Phone:
Date: 4/3/2019

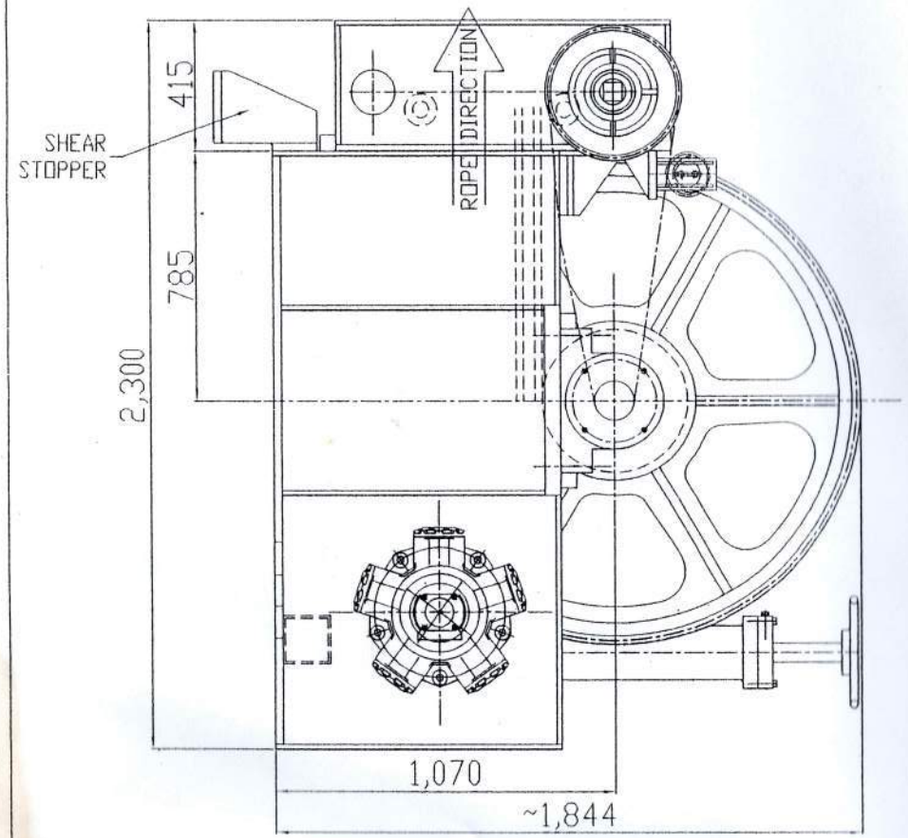
Deck Winch Model ME10THLW

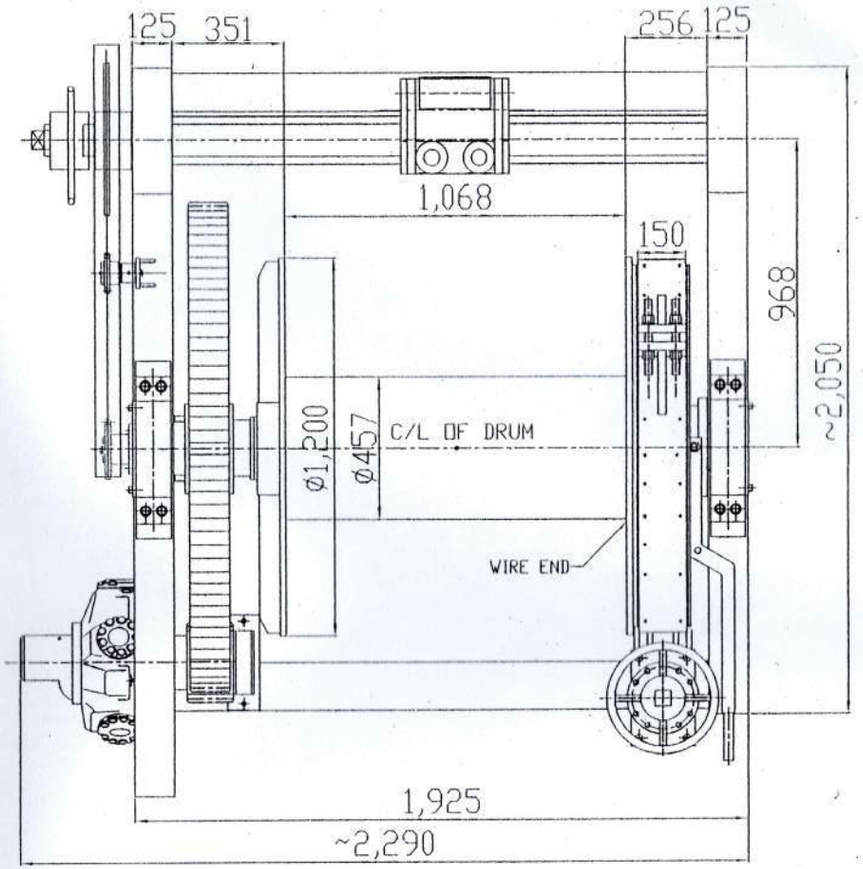
10 Ton Hydraulic Winch

Manufacturer	Marine Equipment PTE LTD
Model	ME10THLW
Serial	ME0502-07
Winding Capacity (ton)	10/5
Winding Speed (m/min)	3/6
Wire Rope Size (mm)	22.4
Wire Rope Capacity (m)	300
Drum Groove	No
Hyd. Motor Model	Staffa HMC080
Drum Diameter (mm)	457
Flange Diameter (mm)	1200
Drum Width (mm)	1068
Overall Width (mm)	1925
Overall Length (mm)	2300
Line Rider Length (mm)	No Line Rider
Overall Height (mm)	1844
Weight (Kg)	6000
Level Winding	Yes

Notes:

1. General Arrangement Drawing in Page 2.
2. Hydraulic Motor Specs in Page 3.





SPECIFICATION

DRUM CAPACITY	300m x ø22.4mm DIA.Wire (4 LAYERS)
RATED PULL	10Ton x 3m/min LOW SPEED (at 2nd LAYER) 5Ton x 6m/min HIGH SPEED (at 2nd LAYER)
DRUM BRAKE	FALL SAFE TYPE, HYD. RELEASE WITH MANUAL OVERRIDE
BRAKE HOLDING	15TON (STATIC, 2nd LAYER)
CLUTCH	MANUAL OPERATED CLAW CLUTCH
WIRE ROPE SHIFTER	EQUIPED
LOAD CELL	NOT EQUIPED
CONTROL	LOCAL CONTROL BY THE WINCH
DRIVE	HYD. MOTOR VIA OPEN SPUR GEAR SYSTEM
POWER REQUIRED	APPROX. 14KV/UNIT

NOTE : SHEAR STOPPER ARE SUPPLIED AND FITTED BY YARD.

TITLE : HYDRAULIC LEAD WINCH GENERAL ARRANGEMENT						ME		
MODEL NO.: ME10THLW						HULL NO.:		
DRAWING NO.: 10THLW-100						OWNER : RINKAI		
THIRD ANGLE PROJECTION		ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED				PROJ. NO.: P0495		
REV.	ENGR.	DRAWN	CHK'D	APPR'D	DATE	SCALE.	EST.WT.	SHT.
7		YU	H.S.		18/05/05	N.T.S.	~6000kgf	1/1

HMC080 Motor *(See page 12 for power calculation limits)*

Displacement Code		97.6	90	85	80	75	70	65	60	55	50
Displacement	cc/rev	1600	1475	1393	1311	1229	1147	1065	983	901	819
Average actual running torque	Nm/bar	23.9	22	20.75	19.5	18.25	17.02	15.78	14.55	13.2	12
Average actual mechanical efficiency	%	93.9	93.7	93.6	93.5	93.3	93.2	93.1	93.0	92.1	92.1
Average actual starting efficiency	%	87.1	86.0	85.2	84.3	83.3	82.1	80.8	79.2	77.4	75.1
Max continuous speed *(SO3/F3/FM3)*	rpm	270	300	320	340	365	390	420	450	475	500
Max continuous speed *(SO4/F4/FM4)*	rpm	365	400	415	430	445	460	475	490	500	515
Max continuous power	kW	138	138	134	129	127	123	118	115	110	105
Max intermittent power	kW	170	170	165	159	156	151	145	142	135	129
Max continuous pressure	bar	250	250	250	250	250	250	250	250	250	250
Max intermittent pressure	bar	275	275	275	275	275	275	275	275	275	275

Displacement Code		45	40	35	30	25	20	15	10	5	00	00
Displacement	cc/rev	737	655	574	492	410	328	246	164	82	0	0
Average actual running torque	Nm/bar	10.6	9.24	7.87	6.48	5.31	3.93	2.56	1.57	0	0	0
Average actual mechanical efficiency	%	90.4	88.6	86.1	82.8	81.4	75.3	65.4	60.2	0	0	0
Average actual starting efficiency	%	72.4	69.0	64.4	58.6	50.3	38.0	17.5	/	/	/	/
Max continuous speed *(SO3/F3/FM3)*	rpm	550	600	615	630	630	630	630	630	1000	1000	1500**
Max continuous speed *(SO4/F4/FM4)*	rpm	530	545	560	575	585	600	615	630	1000	1000	1500**
Max continuous power	kW	99	92	79	64	52	38	26	12	0	0	0
Max intermittent power	kW	122	113	97	79	64	47	32	15	0	0	0
Max continuous pressure	bar	250	250	250	250	250	250	250	250	17*	17*	17*
Max intermittent pressure	bar	275	275	275	275	275	275	275	275	17*	17*	17*

Data shown is at 250 bar. Intermediate displacements can be made available to special order.

** See page 26: small displacements. ** A crankcase flushing flow of 15 lpm is required when freewheeling at 1500 rpm.*