

03	01.10.11	Overhaul	DSE	KNU	TLU	
02	18.12.00	New company name	ISO	BBE	GJO	
01	16.03.99	AS BUILT	ISO	BBE	GJO	
Proj.rev.code	Issue date	Reason for issue	Made by	Chk'd by	Appr. by	
P.O.Number		Package Title				
		HYDRAULIC POWER UNIT (HPU)				
Tag.No.(s) 25.020-3634						
<div style="text-align: center;">  </div> <div> <div>supplier logo</div> <div>Stavanger department</div> </div>			For project use			
			1	2	3	4
			Date		Sign.	
Suppl. Doc. Number 25.020-03						
Project Code		Area/Location		System Code		
Document title (must be identical to entry on SMDR) MECHANICAL DATA SHEET FOR MODEL 95-270/330 EX						
SDRL Code(s)						
Project Document No.				Page 1 of 4		

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MECHANICAL DATA SHEET MODEL HPU 95-270/330 EX

1.1	TYPE OF EQUIPMENT	Hydraulic Power Unit
1.2	Owner	K.Lund Offshore as, 4097 SOLA
1.3	Supplier	K.Lund Offshore as, 4097 SOLA
1.4	Manufacturer	K.Lund Offshore as, 4097 SOLA
1.5	Serial number	HPU 3634
1.6	Number ea.	1
1.7	Year of manufacture	1999

2. HYDRAULIC

2.1	TYPE	For hiring No. 3634
2.2	AMBIENT CONDITIONS Temperature range Atmosphere Inertia Hazardous area	-20 to + 30 °C Offshore, saliferous, 100% humidity +/- 0.3 g horizontal, any direction, +/- 0.3 g vertical Zone1
2.3	PUMP Main	Variable axial piston pump A11VO190. Load sensing control 190 ccm/rev.
2.4	SUPPLY CAPACITY Flow Pressure	Main supply : 140 l/min at 50 Hz Maximum : 350 bar Full flow til 330 bar
2.5	HYDR. RESERVOIR Capacity Design pressure Material	L 800 Atmospheric 316L
2.6	HYDRAULIC FILTERS Pressure line Return	1 ea 10 micron 1 ea 10 micron
2.7	OIL TYPE	Premium quality hydraulic mineral oil fluids like H-LP oils to DIN 51524, part 2. Viscosity grade 32cSt @ 40°C (Min. viscosity12cSt, max. start-up viscosity 800cSt) Also suitable are biodegradeable pressure fluids type HEES (synthetic ester)

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3. ELECTRICAL

3.1	INSTALLED POWER kW	95
3.2	ELECTRIC MOTOR	1 ea size 315S, 95 kW EEx e IIB T3 1 ea size 100L, 3.4 kW EExde IIC T4 (Fan motor)
3.3	DEGREE OF PROTECT. Electric motors Electric panels	IP 56 IP 66
3.4	POWER SUPPLY Voltage VAC/Hz Power Current A Starting current A Cos ϕ Cable	400 / 50 and 440 / 60 95 kW 166 / 151 ca. 745 / 677 0,9 4x 70mm ² Gummikabel

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MECHANICAL DATA SHEET MODEL HPU 95-270/330 EX

4. INSTRUMENTATION

4.1	INSTRUMENTS Shutdown Shutdown	Function Oil level low low High electric motor temp.	Value/type Level switch	Setpoint 350 l 160 ° C
	Alarm Alarm	Control voltage Main pressure Oil. Temp Earth fault Trip	230 VAC / 24 VDC Manometer 0-400 bar Temp. switch	0- 200 bar 40 ° C
4.2	CONTROLS START STOP EMERGENCY STOP Reset	Main panel x x x x		
4.3	STATUS LIGHTS / DISPLAYS POWER ON MOTOR PROTECT HI- HI MAIN MOTOR TEMP EARTH FAULT	Main panel x (green) x (red) x (red) x (red)		

5. MECHANICAL

5.1	SKID	Cage type, with 4 points lifting sling and forklift pockets designed to DNV CN 2-7.1
5.2	SIZE lwh mm	2500x1510x2630
5.3	WEIGHT Net kg Gross kg	3600 3800
5.4	CONNECTIONS Main pressure Return Drain Load sensing	1 ¼" FM Snap-tite 71 1 ¼" M Snap-tite 71 1 " FM Snap-tite 71 1/4" M Snap-tite 71
5.5	HYDRAULIC HOSES Pressure Return Drain Load sensing	1 1/4" 350 bar WP, 850 bar burst 1 1/2" 90 bar WP, 360 bar burst 1" 165 bar WP, 650 bar burst 1/4" 400bar WP, 1600 bar burst