



Equipment Data Sheet:

PRESSURE PUMP

(775 LPM)

Filtration	Boost pump	Plunger	Pump Heads	Engine Operations	Safety	Engine Shutdown system	Chassis
50 Micron	4 bar feed pressure to pump Head	75 mm Stainless steel	Grade 316 Stainless steel	100 °C	Pump is fitted with PSV	Oil Pressure, Coolant Temp, pump Oil Pressure & Temp	4 Point lift crash Frames/w forklift Pockets

Weight & Dimensions	
Gross Weight	5800 kg
Length	3900 mm
Width	2300 mm
Height	2500 mm

ENGINE SPECIFICATION		PUMP SPECIFICATION	
Engine Make, Model	Volvo Penta, TAD 1642 VE	Pump Make, Model	Hughes Pumps Limited, HPS 5000
Rated Power	494KW / 724 HP	Pump Inlet port	4"x150#
Cooling Method	Tropical Radiator Including Intercooler	Pump outlet port	1-1/2" NPT M
Electrical System Voltage	24 V (Max 180 Ah)	Max. Capacity	775.0 Ltrs/minute
Number Of Cylinders	6 no's	Max. Working Pressure	205 Bar
Oil Pressure	44-87 psi	Max. Operating Temperature	56 Deg.C
Min Operating Speed	600 rpm	Plunger size	ø 75 mm (Ceramic)
Max. Operating Speed	1800 rpm	Gear Oil Grade	Shell Spirax S2 G90
Max.Engine Operating Temperature	100 Deg.C	Gear Oil Capacity	47 ltrs
Engine Oil & Capacity	Volvo Penta VDS-3 15W/40 & 35 Ltrs	Plunger cooling method	Oil
Fuel Tank Capacity	800 Ltrs	Fuel Consumption	90.0 Ltrs/hr
Zone Clarification	Rig Safe Equipment (Spark Arrester, Chalwyn Valve, Emergency stop Switch, Battery Cutoff Switch & Thermal Insulation)		

Plunger Diameter mm	Gear ratio Input Speed (rpm)			Pump Speed rpm	Power Required			Nominal Flowrate			Max Pressure	
	1500	1800	2050		kW	HP	lpm	igpm	usgpm	bar	psi	
	5.13			292	300	402	646	1421	1712			
75		5.13		351	360	482	775	1705	2054	250	3625	
	4.11			365	374	502	806	1774	2137			