



Equipment Data Sheet:

NITROGEN PUMP

(180 K)

Equipment Type	Lubrication Loop	Optional Equipment	Outlet Liq. Nitrogen Vaporization	Chassis
Combination Drive Triplex Pump	External Lubrication System (Lube Tank & Pump)	Air Starter, Alternator, Exhaust Heat Exchanger & Multiple Shutdown Switches	Engine Heat Recovery & Hydraulic System Heat Recovery	4 Point lift crash Frames/w Forklift Pockets

Weight & Dimensions	
Net Weight	9600 Kg
Gross Weight	9600 Kg
SWL	9600 Kg
Length	4510 mm
Width	2435 mm
Height	2620 mm



ENGINE SPECIFICATION		PUMP SPECIFICATION	
Engine Make, Model	Detroit, DDC – S60	Pump Make, Model	Hydra Rig, ACD-3 GUPD, Single acting triplex plunger Pump
Rated Power (KW/BHP)	515/ 550	Pump Inlet port	2" NIT
Cooling Method	Water cooled heat exchanger	Pump Outlet	1" MNPT
Electrical System Voltage	24 V	Maximum Pumping rate	180,000 SCFH
Number Of Cylinders	6	Minimum Pumping rate	4,500 SCFH
Maximum operating speed	2100 RPM	Stroke	1.5" (38.1 mm)
Maximum working pressure	10,000 PSI	Maximum Input Speed	900 RPM
Minimum Operating speed	600 RPM	Pump minimum Speed	60 RPM
Hydraulic Tank Capacity	360 Liters	Shutdown system	Emergency, Low oil pressure and rig saver over speed
Diesel Tank Capacity	530 Liters	Gas Outlet Temperature	24°C
Starting Method	Air Start	Fuel Consumption	60040 Liters / hr
Engine max. operating Temperature	95°C	Piston Diameter	1.25"
		Maximum Power	205 HP
		Max. Air Driven Pressure	8 bar
Zone Clarification	Zone II		