

HL80M Technical Specification

Standard pump material specification							Bearing Details			
Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	Ball & Seat	Mechanical Seal	Pump End Bearing	Drive End Bearing	Priming Method
Cast Iron to BS1452 Grade 220	Cast Steel BS3100 A5 Hardness to 200 HB Brinell	Cast Iron - Chrome 1.0/1.5%, Nickle 2%	Nickel Chrome Steel to BS 970 Grade M40 EN24T	Cast Iron to BS1452 Grade 220	Cast Iron	High Nitrile Rubber	Silicon Carbide vs Silicon Carbide	Taper Roller	Taper Roller	Air compressor / Dri-Prime system
Notes: Alternative materials available on request										

Technical Details:

Suction:	100mm - NP16	Maximum Operating Temperature	80 °C
Discharge:	80mm - NP16	Maximum Working Pressure	10 Bar
Maximum Capacity	107 M3/hr	Maximum Suction Pressure	6 Bar
Maximum Head	100 Meters	Maximum Test Pressure	15 Bar
Maximum Solids handling:	25 mm	Maximum Operating Speed	2400 RPM
Impeller Type	Fully open	Normal Operating Speed	1800 RPM
Number of Blades	3	Minimum Operating Speed	1400 RPM
Maximum Impeller Diameter	325 mm	Standard compressor absorbs	3 KW

Diesel Set - Performance :

Perkins 404-22 22kw @ 1800RPM

Total Suction Head - Meters	Total Delivery Head				
	24	30	37	43	49
3.0	75	72	70	57	38
4.6	74	70	64	53	27
6.1	72	68	61	51	-
7.6	70	64	53	30	-

Impeller Dia: 305 mm

Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period :	16 Hours	Normal Operating speed
Fuel tank capacity	100 Litres	
Approximate weight	690 Kgs (DRY)	
	772 Kgs (WET)	

Approximate Dimensions:

Length	1450 mm
Width	1100 mm
Height	1440 mm

Diesel Set - Performance :

Perkins 1104C-44 54kw @ 2200RPM

Total Suction Head - Meters	Total Delivery Head				
	52	55	60	65	70
3.0	95	90	83	80	65
4.6	92	87	82	78	60
6.1	75	80	75	70	38
7.6	65	52	50	45	35

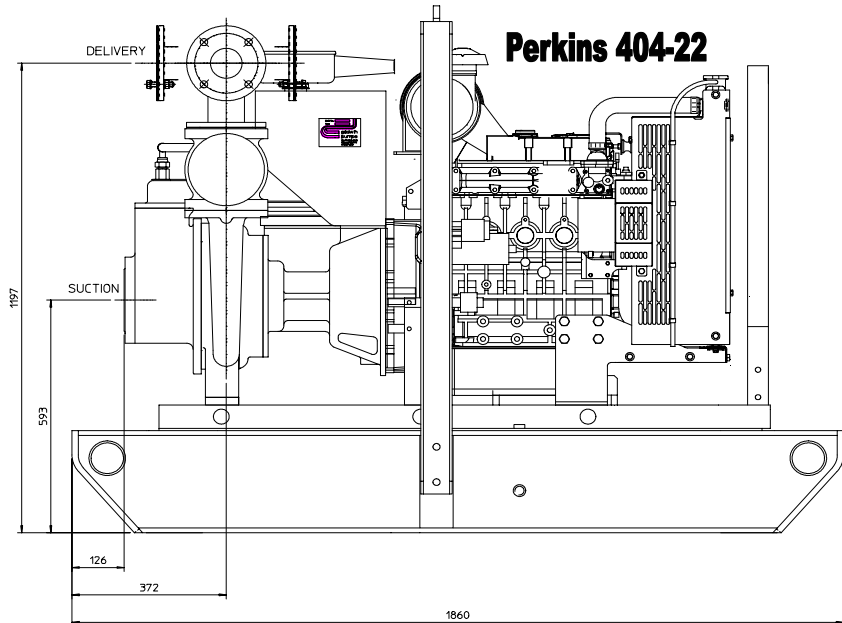
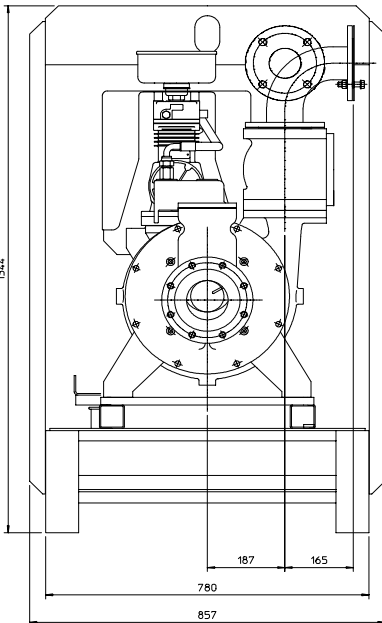
Impeller Dia: 325 mm

Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period :	14 Hours	Normal Operating speed
Fuel tank capacity	160 Litres	
Approximate weight	890 Kgs (DRY)	
	1033 Kgs (WET)	

Approximate Dimensions:

Length	1901 mm
Width	1100 mm
Height	1705 mm



Alternative options available e.g. Highway trailer, Site Trolley, Silenced set etc. Please Contact **Godwin Pumps Ltd** for details.

Reference Number	HL80M_A
Issue	2

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Pump Type	HL80M
Curve No	HL80M -VAR-06.08.2004
Branch Sizes	100 x 80mm
Date	06.08.2004
Speed	VARIABLE

