

HL100M 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 Hardened to 480 HB Brinell	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	Roller	Spherical Roller	Air compressor / Dri-Prime system
Notes: Alternative material specification available on request										

Technical Details:

Suction:	100mm table 'D'	Maximum Operating Temperature	80 °C
Discharge:	100mm NP16	Maximum Working Pressure	14.3 Bar
Maximum Capacity	223 M3/hr	Maximum Suction Pressure	6 Bar
Maximum Head	125 Meters	Maximum Test Pressure	21.5 Bar
Maximum Solids handling:	35 mm	Maximum Operating Speed	2200 RPM
Impeller Type	Fully open	Normal Operating Speed	1800 RPM
Number of Blades	3	Minimum Operating Speed	1400 RPM
Maximum Impeller Diameter	370 mm	Standrd compressor absorbs	3 KW

Diesel Set - Performance :

Total Suction Head - Meters	Total Delivery Head				
	37	49	55	61	67
	Output M3/hr				
3.0	214	197	178	164	137
4.6	213	194	171	152	123
6.1	191	178	167	145	109
7.6	172	157	150	128	81

Impeller Dia: 370 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	255 Litres	
Approximate weight	1750 Kgs (DRY)	
	1958 Kgs (WET)	

Approximate Dimensions:	Length	2575 mm
	Width	1275 mm
	Height	1815 mm

Diesel Set - Performance :

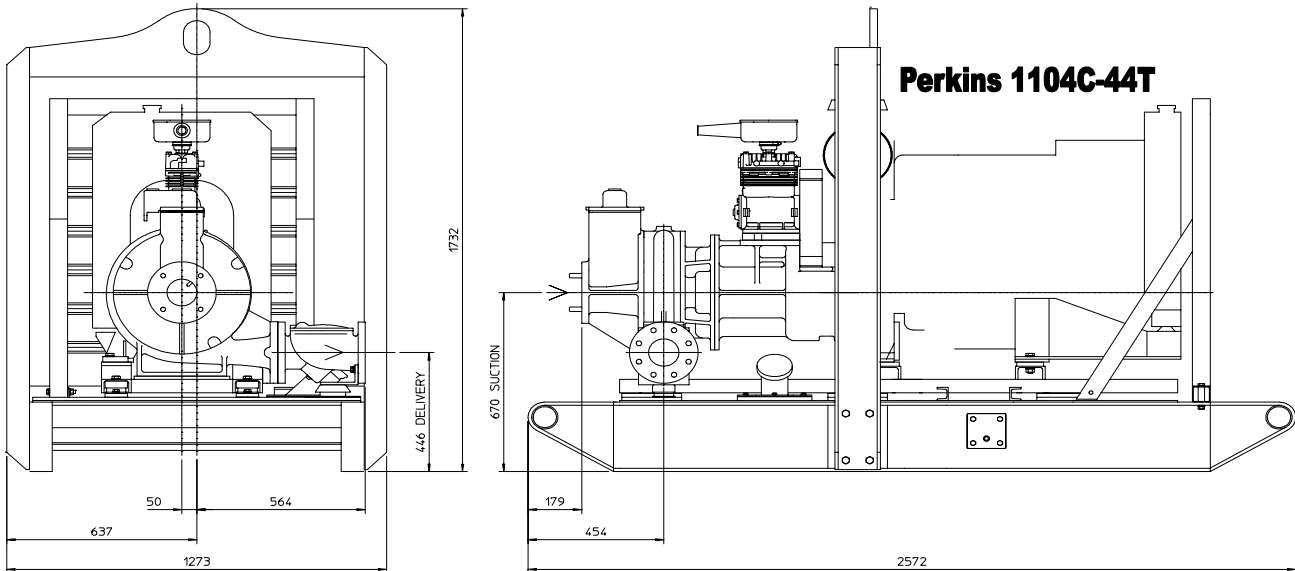
Total Suction Head - Meters	Total Delivery Head				
	67	79	91	98	104
	Output M3/hr				
3.0	223	201	172	153	122
4.6	221	199	165	143	113
6.1	219	198	158	138	100
7.6	169	161	133	108	57

Impeller Dia: 370 mm

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

Running Period :	11 Hours	Normal Operating speed
Fuel tank capacity	255 Litres	
Approximate weight	1792 Kgs (DRY)	
	2000 Kgs (WET)	

Approximate Dimensions:	Length	2575 mm
	Width	1275 mm
	Height	1815 mm



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

Reference Number	HL100M_A
Issue	2

Godwin Pumps Limited
 Quenington, Cirencester,
 Gloucestershire GL7 5BX, England
 Tel: 01285 750271 Fax: 01285 750352
 E-mail: sales@godwinpumps.co.uk
 Web Site www.godwinpumps.co.uk



Assessed to ISO 9001:2000
 Certificate No. 224





Pump Type	HL100M
Curve No	HL100M VAR370070405
Branch Sizes	100 x100mm
Date	07.05.2005
Speed	VARIABLE

