

HL6-TS 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	High Chromium Cast Iron HC403:197 7 Grade FR6252	Nickel Chrome Steel to BS 970 Grade 817M40T 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 material specification available on request										

Technical Details:

Suction:	200mm (8") Table 'D'	Maximum Operating Temperature	80 °C
Discharge:	150mm PN16	Maximum Working Pressure	13.5 Bar
Maximum Capacity	500 M3/hr	Maximum Suction Pressure	6 Bar
Maximum Head	140 Meters	Maximum Test Pressure	20 Bar
Maximum Solids handling:	38 mm	Maximum Operating Speed	2000 RPM
Impeller Type	Fully open	Normal Operating Speed	2000 RPM
Number of Blades	3	Minimum Operating Speed	1200 RPM
Maximum Impeller Diameter	400 mm	Standard compressor absorbs	3.5 KW

Diesel Set - Performance :

Caterpillar C9 207kw @ 2000RPM

Total Suction Head - Meters	Total Delivery Head				
	76	91	107	122	137
	Output M3/hr				
3.0	471	451	396	314	137
4.6	396	389	348	301	96
6.1	253	246	239	232	-
7.6	205	178	164	96	-

Impeller Dia: 400 mm

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

Running Period :	12 Hours	Normal Operating speed
Fuel tank capacity	450 Litres	
Approximate weight	3200 Kgs (DRY)	
	3567 Kgs (WET)	

Approximate Dimensions:	Length	4030 mm
	Width	1392 mm
	Height	2505 mm

Diesel Set - Performance :

Volvo TAD941VE 204kw @ 2000RPM

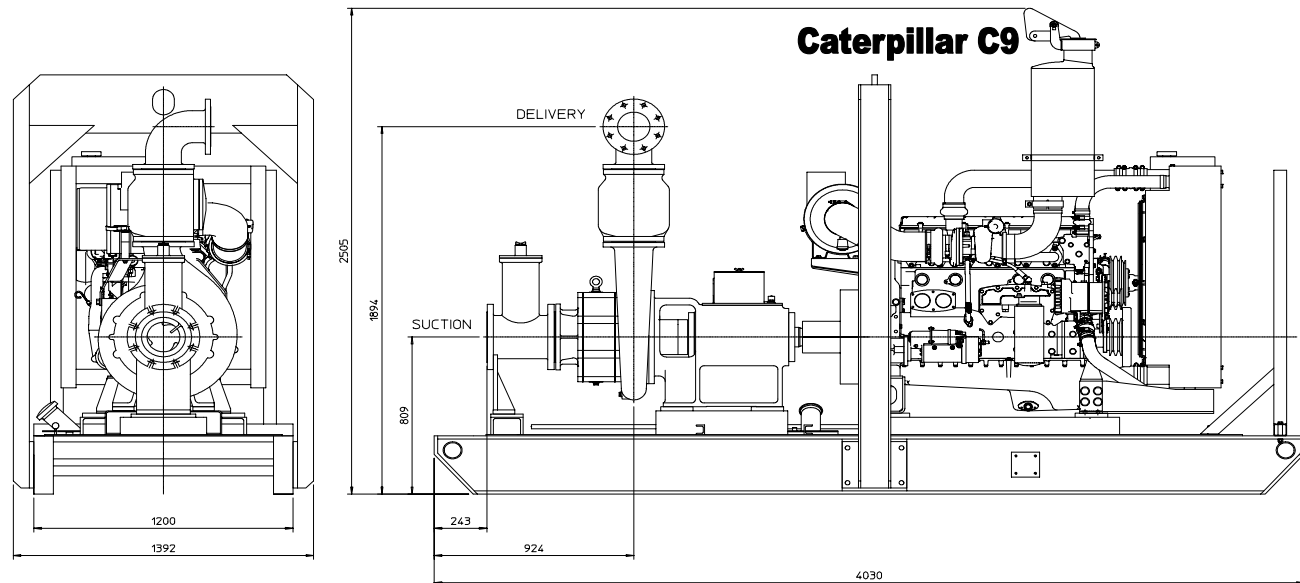
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7.6	205	178	164	96	-

Impeller Dia: 400 mm

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

Running Period :	10 Hours	Normal Operating speed
Fuel tank capacity	450 Litres	
Approximate weight	3450 Kgs (DRY)	
	3817 Kgs (WET)	

Approximate Dimensions:	Length	4200 mm
	Width	1200 mm
	Height	2300 mm



Alternative options available Please Contact Godwin Pumps Ltd for details.

Reference Number	HL6TS_A
Issue	2

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Assessed to ISO 9001:2000
 Certificate No. 224





Pump Type	HL200M/TS
Curve No	HL200M/TS-VARI-28/03/03
Branch Sizes	200 X 150mm
Date	28/03/03
Speed	VARIABLE

