

# HL6-TS Technical Specification

## Standard pump material specification

## Bearing Details

Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	MRV 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:

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

<b>Approximate Dimensions:</b>	Length	4030 mm
	Width	1392 mm
	Height	2505 mm

### Diesel Set - Performance :

Volvo TAD941VE 204kw @ 2000RPM

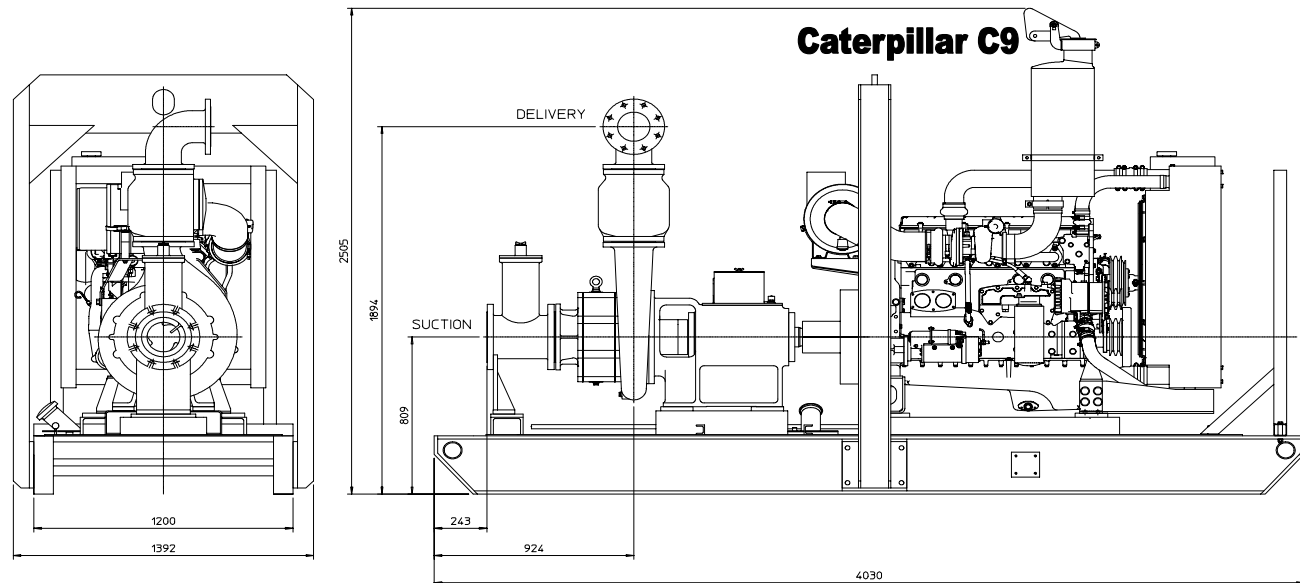
Total Suction Head - Meters	Total Delivery Head				
	76	91	107	122	137
	Output M3/hr				
3.0	471	451	396	314	137
4.6	396	389	348	301	96
6.1	253	246	239	232	-
7.6	205	178	164	96	-

Impeller Dia: 400 mm

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

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

<b>Approximate Dimensions:</b>	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

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

