

# HL200M Technical Specification

## Standard pump material specification

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 BS 1452:1990 Grade 250	Cast Steel BS3100 A5 Hardness to 200 HB Brinell	Cast Iron to BS1452 Grade 220 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	Angular contact	Air compressor / Dri-Prime system
Notes: Alternative material specification available on request										

## Bearing Details

### Technical Details:

<b>Suction:</b>	200mm table 'D'	<b>Maximum Operating Temperature</b>	80 °C
<b>Discharge:</b>	150mm PN16	<b>Maximum Working Pressure</b>	11.4 Bar
<b>Maximum Capacity</b>	540 M3/hr	<b>Maximum Suction Pressure</b>	6 Bar
<b>Maximum Head</b>	97 Meters	<b>Maximum Test Pressure</b>	17 Bar
<b>Maximum Solids handling:</b>	38 mm	<b>Maximum Operating Speed</b>	2200 RPM
<b>Impeller Type</b>	Fully open	<b>Normal Operating Speed</b>	1600 RPM
<b>Number of Blades</b>	3	<b>Minimum Operating Speed</b>	1200 RPM
<b>Maximum Impeller Diameter</b>	400 mm	<b>Standrd compressor absorbs</b>	3 KW

### Diesel Set - Performance :

Perkins 1106C-TA 90kw @ 1600RPM					
Total Delivery Head					
Total Suction Head - Meters	30	43	49	55	61
Output M3/hr					
3.0	505	460	433	388	316
4.6	499	454	423	378	283
6.1	395	363	337	291	217
7.6	288	279	268	235	145

Impeller Dia: 400 mm

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

<b>Running Period :</b>	10 Hours	<b>Normal Operating speed</b>
<b>Fuel tank capacity</b>	330 Litres	
<b>Approximate weight</b>	2100 Kgs (DRY)	
	2369 Kgs (WET)	

Approximate Dimensions:		
Length	3300 mm	
Width	1300 mm	
Height	1815 mm	

### Diesel Set - Performance :

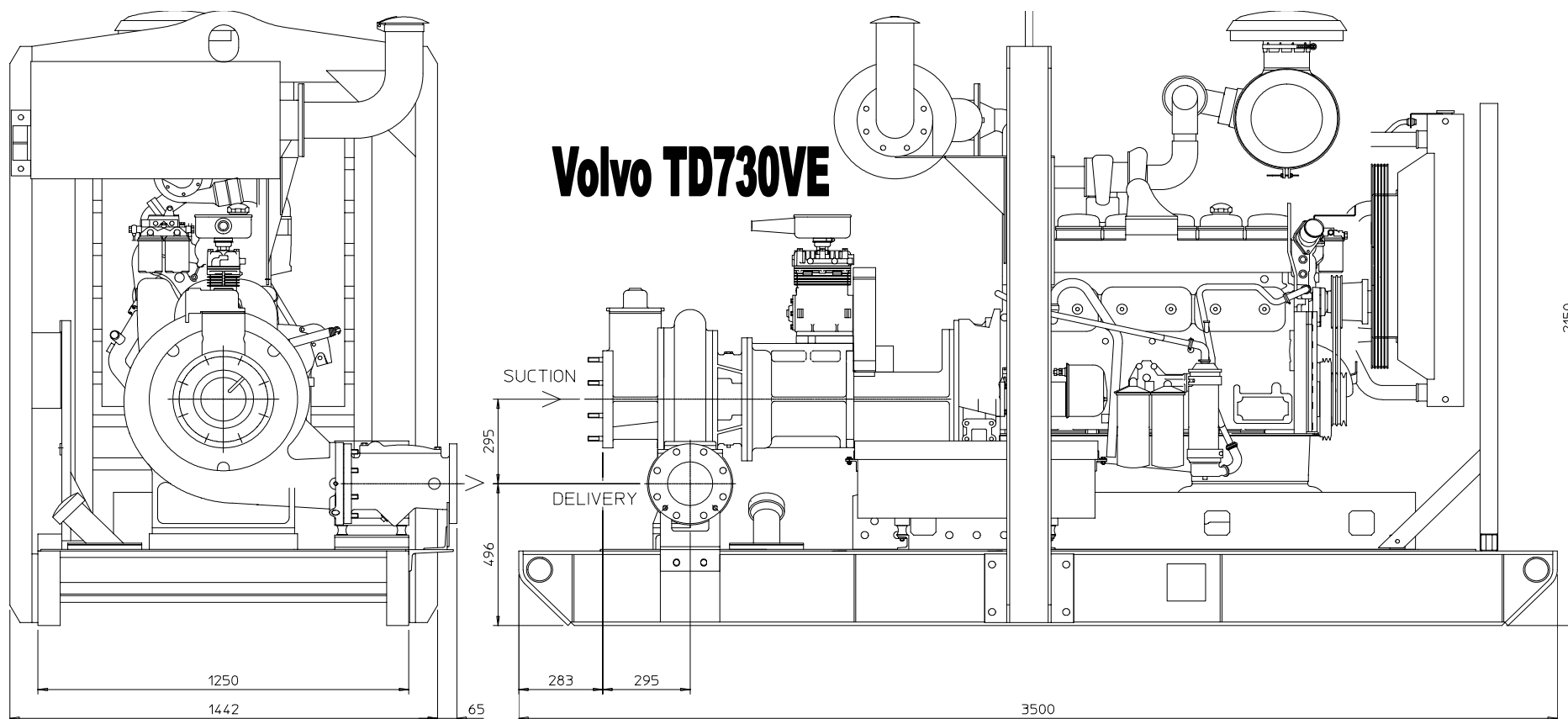
Volvo TD730VE 125kw @ 1800RPM					
Total Delivery Head					
Total Suction Head - Meters	43	49	55	61	67
Output M3/hr					
3.0	537	527	486	440	376
4.6	533	522	473	421	352
6.1	422	415	385	342	280
7.6	307	301	283	260	198

Impeller Dia: 400 mm

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

<b>Running Period :</b>	13 Hours	<b>Normal Operating speed</b>
<b>Fuel tank capacity</b>	330 Litres	
<b>Approximate weight</b>	2560 Kgs (DRY)	
	2829 Kgs (WET)	

Approximate Dimensions:		
Length	3500 mm	
Width	1442 mm	
Height	2150 mm	



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

<b>Reference Number</b>	HL200M_A
<b>Issue</b>	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
Curve No	HL200M-VAR-06.08.2004
Branch Sizes	200 X 150mm
Date	06.08.2004
Speed	VARIABLE

