

# CD250M Technical Specification

Material Specification								Bearing Details		Compressor Details	
Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	Ball & Seat	Mechanical Seal	Pump End Bearing	Drive End Bearing	Power absorbed by standard compressor	Compressor Performance
Cast Iron to BS1452 Grade 220	Cast Steel BS3100 1976GRBW 4 Hardened to 341 HB Brinell	Cast Iron Hardened to 440 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	Taper Roller 33111	Spherical Taper Roller 33111	3kw	15 cfm @ 60 psi

Notes:

### Technical Details:

<b>Suction:</b>	250mm (10") Table 'D'	<b>Maximum Operating Temperature</b>	80 °C
<b>Discharge:</b>	250mm (10") table 'D'	<b>Maximum Working Pressure</b>	5.5 Bar
<b>Maximum Capacity</b>	850 M3/hr	<b>Maximum Suction Pressure</b>	4.5 Bar
<b>Maximum Head</b>	55 Meters	<b>Maximum Test Pressure</b>	8.5 Bar
<b>Maximum Solids handling:</b>	75 mm	<b>Maximum Operating Speed</b>	2200 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>	1400 RPM
<b>Maximum Impeller Diameter</b>	290 mm		

### Diesel Set - Performance :

Perkins 1104C-44TW 82kw @ 2000RPM

Total Suction Head - Meters	Total Delivery Head				
	9	18	27	37	40
3.0	690	628	540	300	160
4.6	670	601	510	210	108
6.1	620	560	451	130	-
7.6	550	505	383	-	-

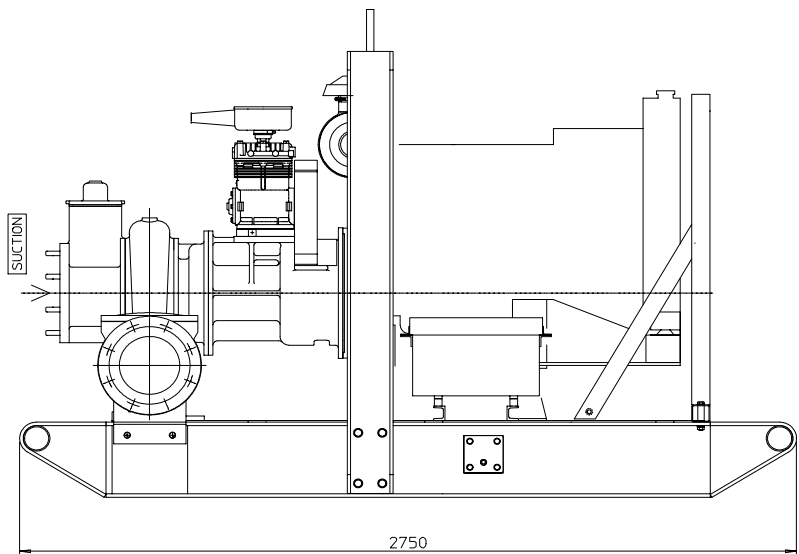
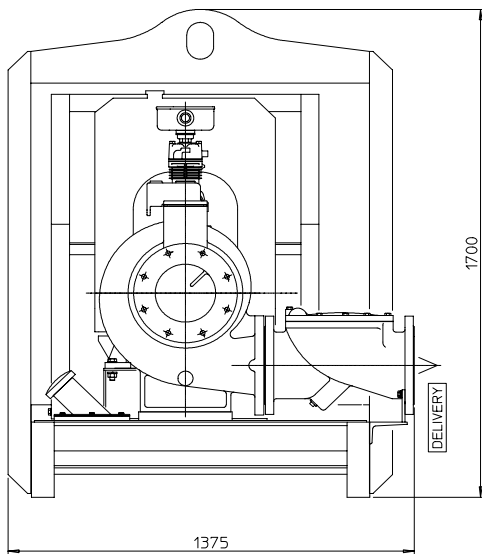
Impeller Dia: 290 mm

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

### Running Period :

Normal Operating speed 14.0 Hours

### Approximate Dimensions:



**Weight 2125 KGS DRY**  
**Weight 2410 KGS WET**

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

Reference Number	CD250M_CM
Date	June-2004
Issue	1

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Certificate No 224  
Assessed to ISO 9001:2000





Pump Type	CD250M
Curve No	CD250M-VAR1-27/03/03
Branch Sizes	250 X 250mm
Date	27/03/03
Speed	VARIABLE

