

# CD160M Technical Specification

Standard pump material specification							Bearing Details			
Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	Ball & Flap	Mechanical Seal	Pump End Bearing	Drive End Bearing	Priming Method
Cast Iron to BS1452 Grade 220	Cast Steel BS3100 A5 200 HB Brinell	Cast Iron to BS1452 Grade 220	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										

### Technical Details:

<b>Suction:</b>	150mm	<b>Maximum Operating Temperature</b>	80 °C
<b>Discharge:</b>	150mm	<b>Maximum Working Pressure</b>	9 Bar
<b>Maximum Capacity</b>	460 M3/hr	<b>Maximum Suction Pressure</b>	5 Bar
<b>Maximum Head</b>	80 Meters	<b>Maximum Test Pressure</b>	13.5 Bar
<b>Maximum Solids handling:</b>	75 mm	<b>Maximum Operating Speed</b>	2000 RPM
<b>Impeller Type</b>	Fully open	<b>Normal Operating Speed</b>	1800 RPM
<b>Number of Blades</b>	2	<b>Minimum Operating Speed</b>	1400 RPM
<b>Maximum Impeller Diameter</b>	356 mm	<b>Standard compressor absorbs</b>	3 KW

### Diesel Set - Performance :

	Total Delivery Head				
	40	45	50	55	60
Total Suction Head - Meters	Output M3/hr				
3.0	375	350	300	210	100
4.6	370	345	295	198	70
6.1	365	340	260	150	0
7.6	306	290	198	100	0

Impeller Dia: 356 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 1850 Kgs (DRY)

2058 Kgs (WET)

**Approximate Dimensions:** Length 2600 mm  
Width 1300 mm  
Height 1750 mm

### Diesel Set - Performance :

	Total Delivery Head				
	55	60	65	70	-
Total Suction Head - Meters	Output M3/hr				
3.0	400	355	285	200	-
4.6	395	325	265	180	-
6.1	355	300	225	130	-
7.6	306	285	220	90	-

Impeller Dia: 356 mm

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

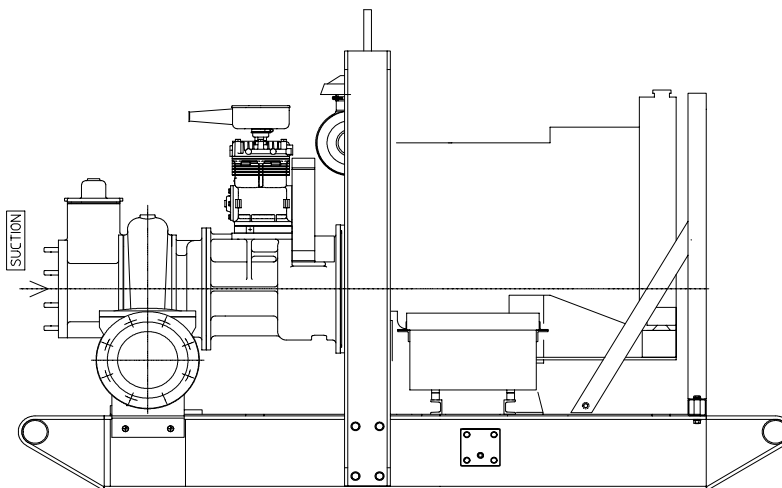
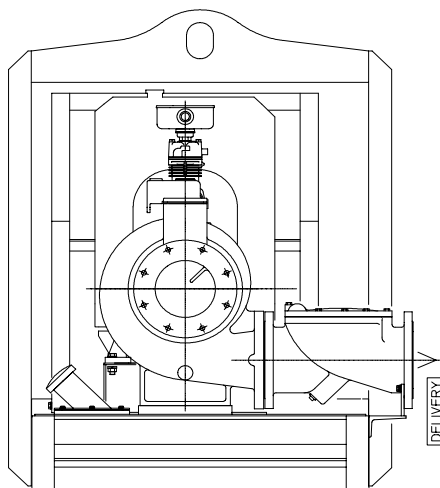
Running Period : 10 Hours Normal Operating speed

Fuel tank capacity 255 Litres

Approximate weight 1695 Kgs (DRY)

1903 Kgs (WET)

**Approximate Dimensions:** Length 2800 mm  
Width 1300 mm  
Height 1800 mm



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

Reference Number	CD160M_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	CD160M
Curve No	CD160MVAR01102004CAL
Branch Sizes	150 x 150mm
Date	01.10.2004
Speed	VARIABLE

