

CD400M Technical Specification

Standard pump material specification

Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Bearing Bracket	NRV Body	NRV Flap	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	Cast Iron to BS1452 Grade 220 Hardened to 480HB Brinell	Nickel Chrome Steel to BS 970 Grade M40 (EN24T)	Cast Iron to BS1452 Grade 220	Cast Iron	High Nitrile Rubber	Double Mechanical Seal Inboard Sic v Sic Outboard Sic v Carbon	Roller	Double Row Angular Contact	Air compressor / Dri-Prime system or Vac Pump Prime
Notes: Alternative material specification available on request										

Bearing Details

Technical Details:

Suction:	450mm (18" table 'D')	Maximum Operating Temperature	80 °C
Discharge:	400mm (16" table 'D')	Maximum Working Pressure	6.1 Bar
Maximum Capacity	2250 M3/hr	Maximum Suction Pressure	4.5 Bar
Maximum Head	45 Meters	Maximum Test Pressure	6.75 Bar
Maximum Solids handling:	125 mm	Maximum Operating Speed	1200 RPM
Impeller Type	Fully open	Normal Operating Speed	1100 RPM
Number of Blades	2	Minimum Operating Speed	900 RPM
Maximum Impeller Diameter	500 mm	Gearbox Speed Reducing	Ratio 1.5:1
		Standard com/vac pump absorbs	8.2 KW

Diesel Set - Performance :

Catterpillar C9 206kw @ 1800RPM

Total Suction Head - Meters	Total Delivery Head Meters				
	12.0	18.0	24.0	30.0	35.0
	Output M3/hr				
3.0	1980	1800	1458	1225	710
4.5	1800	1620	1422	1116	--
6.0	1494	1296	1080	720	--
7.5	1080	900	685	360	--

Impeller Dia: 500 mm Pump 1200RPM Engine 1800RPM
Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period : 9 Hours Normal Operating speed
Fuel tank capacity 450 Litres
Approximate weight 6100 Kgs (DRY)
6467 Kgs (WET)

Approximate Dimensions:
Length 3550 mm
Width 1700 mm
Height 1800 mm

Diesel Set - Performance :

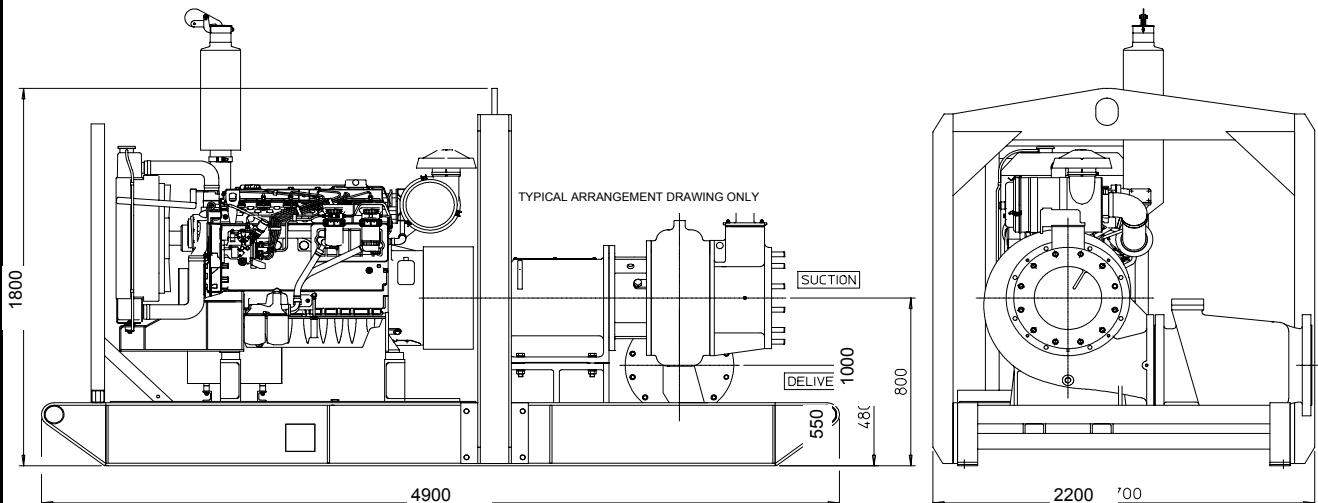
Volvo TAD941VE 204kw @ 1800RPM

Total Suction Head - Meters	Total Delivery Head Meters				
	12.0	18.0	24.0	30.0	35.0
	Output M3/hr				
3.0	1980	1800	1458	1225	710
4.5	1800	1620	1422	1116	--
6.0	1494	1296	1080	720	--
7.5	1080	900	685	360	--

Impeller Dia: 500 mm Pump 1200RPM Engine 1800RPM
Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period : 9 Hours Normal Operating speed
Fuel tank capacity 450 Litres
Approximate weight 6000 Kgs (DRY)
6367 Kgs (WET)

Approximate Dimensions:
Length 3950 mm
Width 1700 mm
Height 1800 mm



Alternative options available. Please Contact Godwin Pumps Ltd for details.

Reference Number	CD400M_A
Issue	2

Godwin Pumps Limited
Quenington, Cirencester,
Gloucestershire GL7 5BX, England
Tel: 01285 750271 Fax: 01285750352
E-mail: sales@godwinpumps.co.uk
Web Site www.godwinpumps.co.uk



Assessed to ISO 9001:2000
Certificate No. 224

godwin pumps





Pump Type	GODWIN CD400M
Curve No	CD400MVAR100604
Branch Sizes	18 x 16 450 x 400mm
Date	10.06.04
Speed	Variable

