

HL250M Technical Specification

Standard pump material specification						Bearing Details				
Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	NRV Seat & Flap	Mechanical Seal	Pump End Bearing	Drive End Bearing	Priming Method
Cast Iron BS 1452:1990 Grade 220	Cast Steel BS3100 A5 Hardness to 200 HB Brinell	Cast Iron - Chrome 1.0/1.5%, Nickle 2%	Nickel Chrome Steel BS 970-1:1991 Grade 817M40T	Cast Iron BS 1452:1990 Grade 220	Cast Iron BS 1452:1990 Grade 220	Nitrile Rubber	Silicon Carbide / Silicon Carbide	Roller	Angular Contact	Air compressor / Dri-Prime system
Notes: Alternative material specification available on request										

Technical Details:

Suction:	300mm TABLE D	Maximum Operating Temperature	80 °C
Discharge:	250mm PN16	Maximum Working Pressure	13 Bar
Maximum Capacity	1200 M3/Hr	Maximum Suction Pressure	6 Bar
Maximum Head	118 Meters	Maximum Test Pressure	19.5 Bar
Maximum Solids handling:	65 mm	Maximum Operating Speed	2000 RPM
Impeller Type	Fully open	Normal Operating Speed	1800 RPM
Number of Blades	3	Minimum Operating Speed	1200 RPM
Maximum Impeller Diameter	440 mm	Standard compressor absorbs	3 KW

Diesel Set - Performance :

Caterpillar C12 277kw @ 1800RPM

Total Suction Head - Meters	Total Delivery Head				
	40	55	65	75	90
3	1085	990	882	720	414
4.5	1080	970	864	684	378
6	1040	950	840	645	350
7.5	799	740	700	525	-

Impeller Dia: 440 mm

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

Running Period :	5 Hours	Normal Operating speed
Fuel tank capacity	400 Litres	
Approximate weight	4275 Kgs (DRY)	
	4700 Kgs (WET)	

Approximate Dimensions:

Length	4400 mm
Width	1804 mm
Height	2633 mm

Diesel Set - Performance :

Caterpillar C15 313kw @ 2000RPM

Total Suction Head - Meters	Total Delivery Head				
	50	70	80	90	105
3	1175	1062	954	820	615
4.5	1170	1040	925	810	585
6	990	918	865	750	540
7.5	685	680	680	645	395

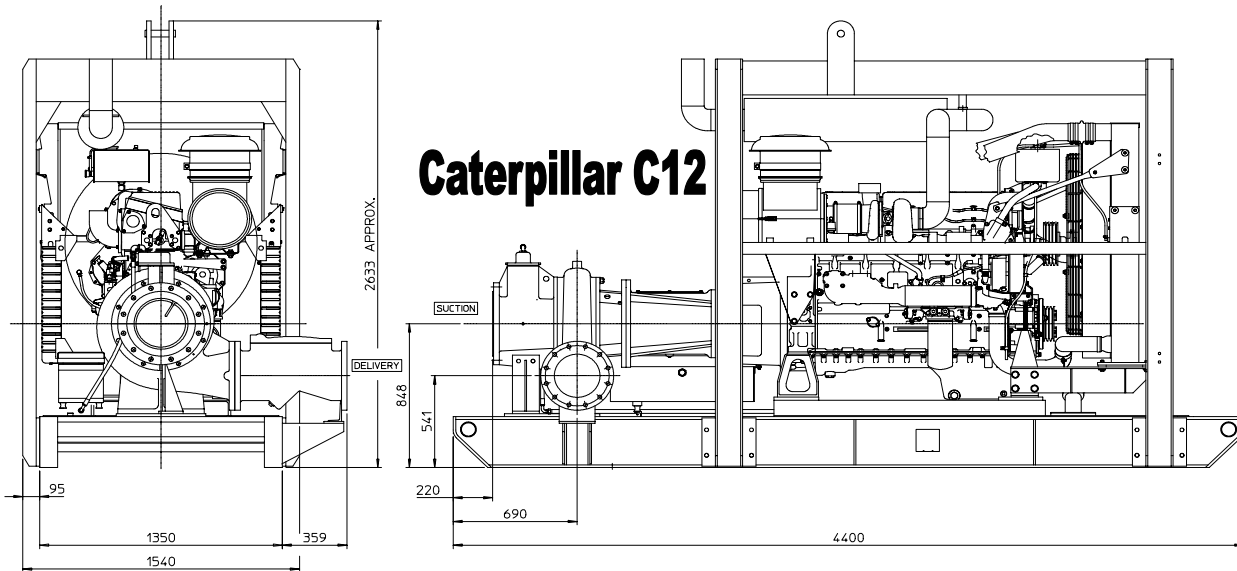
Impeller Dia: 440 mm

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

Running Period :	6 Hours	Normal Operating speed
Fuel tank capacity	400 Litres	
Approximate weight	4775 Kgs (DRY)	
	5101 Kgs (WET)	

Approximate Dimensions:

Length	4600 mm
Width	1804 mm
Height	2800 mm



Caterpillar C12

Alternative options available Please Contact Godwin Pumps Ltd for details.

Reference Number	HL250M_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	HL250M
Curve No	HL250M-VAR1-31/03/03
Branch Sizes	300 x 250mm
Date	31/03/03
Speed	VARIABLE 120748 IMPELLER

