

HL160M Technical Specification

Standard pump material specification

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 250	Cast Steel BS3100 A5 Hardness to 200 HB Brinell	High Chromium Cast Iron HC403:1977 Grade FR6252	Nickel Chrome Steel BS 970-1:1991 Grade 817M40T EN24T	Cast Iron BS 1452:1990 Grade 220	Cast steel	Steel	Silicon carbide / Silicon carbide Viton	Roller	Angular Contact	Air compressor / Dri-Prime system
Notes: Alternative material specification available on request										

Bearing Details

Technical Details:

Suction:	200mm	Maximum Operating Temperature	80 °C
Discharge:	150mm	Maximum Working Pressure	19 Bar
Maximum Capacity	504 M3/Hr	Maximum Suction Pressure	6 Bar
Maximum Head	190 Meters	Maximum Test Pressure	28.5 Bar
Maximum Solids handling:	35 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	508 mm	Standard compressor absorbs	3 KW

Diesel Set - Performance :

Caterpillar C15		Total Delivery Head				
		100	120	140	160	185
Total Suction Head - Meters		Output M3/Hr				
3	504	450	415	325	180	
4.5	504	450	395	325	180	
6	425	414	375	325	172	
7.5	315	313	315	285	145	

Impeller Dia: 508 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	4200 Kgs (DRY)	
	4526 Kgs (WET)	

Approximate Dimensions:	Length	4400 mm
	Width	1670 mm
	Height	2633 mm

Diesel Set - Performance :

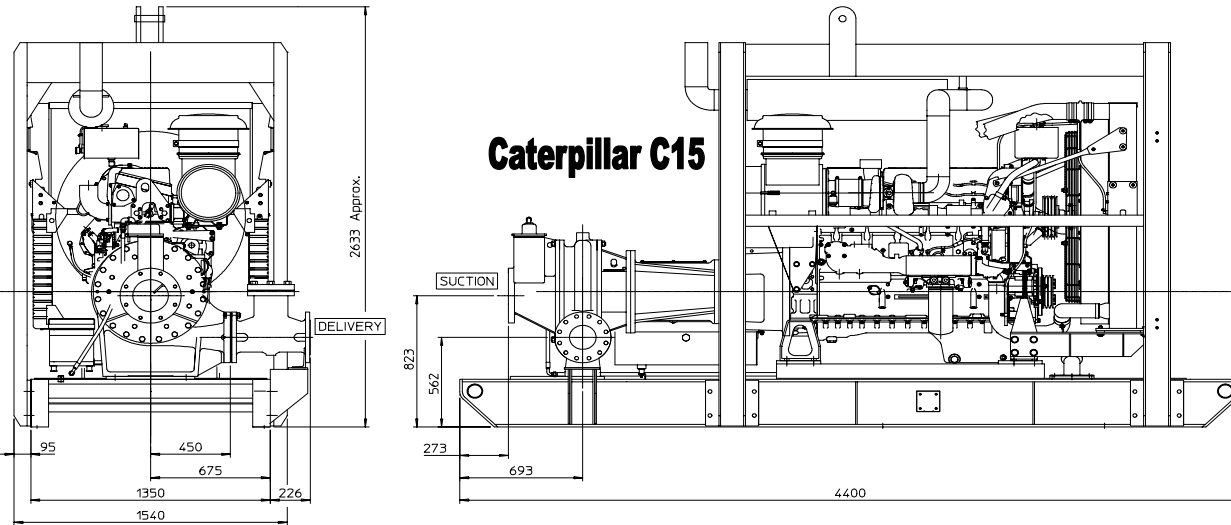
Volvo TWD1240VE-256		Total Delivery Head				
		80	100	120	140	150
Total Suction Head - Meters		Output M3/Hr				
3	440	406	345	252	198	
4.5	432	396	334	234	180	
6	403	388	320	198	162	
7.5	306	298	288	180	144	

Impeller Dia: 508 mm

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

Running Period :	7 Hours	Normal Operating speed
Fuel tank capacity	400 Litres	
Approximate weight	4070 Kgs (DRY)	
	4396 Kgs (WET)	

Approximate Dimensions:	Length	4500 mm
	Width	1670 mm
	Height	2750 mm



Alternative options available Please Contact Godwin Pumps Ltd for details.

Reference Number	HL160M_A
Issue	2

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Assessed to ISO 9001:2000
 Certificate No. 224





Pump Type	HL160M
Curve No	HL160M VAR508300904
Branch Sizes	200 x 150mm
Date	30.09.04
Speed	VARIABLE

