

# HL225M 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 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:

<b>Suction:</b>	250mm TABLE D	<b>Maximum Operating Temperature</b>	+90 °C
<b>Discharge:</b>	200mm PN16	<b>Maximum Working Pressure</b>	11 Bar
<b>Maximum Capacity</b>	830 M3/Hr	<b>Maximum Suction Pressure</b>	6 Bar
<b>Maximum Head</b>	110 Meters	<b>Maximum Test Pressure</b>	17 Bar
<b>Maximum Solids handling:</b>	65 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>	3	<b>Minimum Operating Speed</b>	1200 RPM
<b>Maximum Impeller Diameter</b>	440 mm	<b>Standard compressor absorbs</b>	3 KW

### Diesel Set - Performance :

Caterpillar	C9					207kw @ 1800RPM
Total Delivery Head						
Total Suction Head - Meters	60	75	80	85	90	
3	780	576	370	180	0	
4.5	780	540	324	0	0	
6	630	540	288	0	0	
7.5	510	396	144	0	0	

Impeller Dia: 440 mm

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

Running Period :	8 Hours	Normal Operating speed
Fuel tank capacity	400 Litres	
Approximate weight	4250 Kgs (DRY)	
	4576 Kgs (WET)	

<b>Approximate Dimensions:</b>	Length	4000 mm
	Width	1550 mm
	Height	2290 mm

### Diesel Set - Performance :

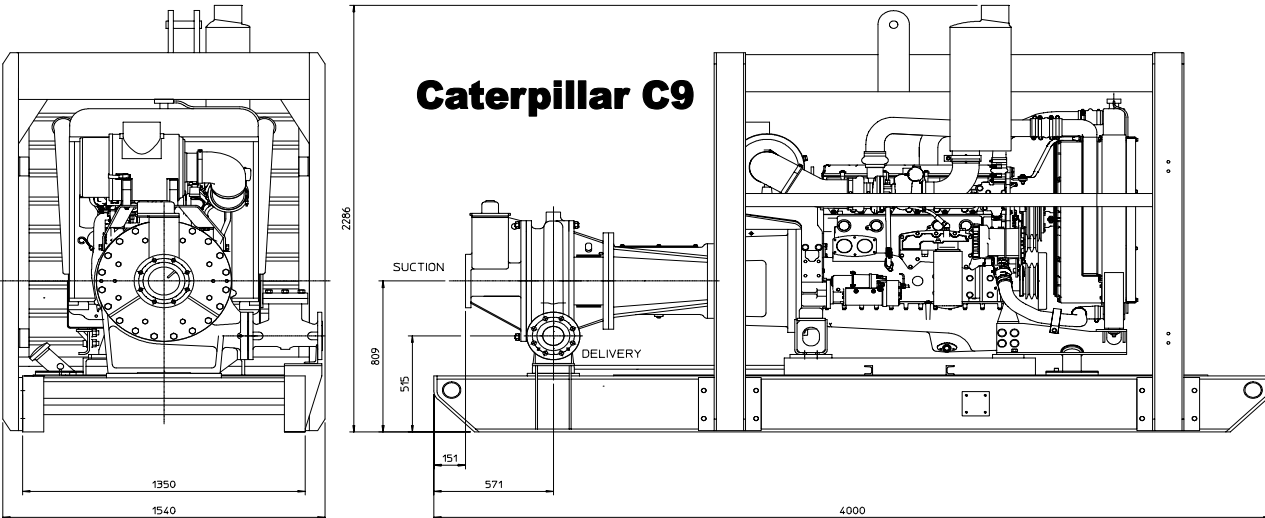
Volvo	TWD1240VE-275					259kw @ 2000RPM
Total Delivery Head						
Total Suction Head - Meters	80	90	100	105	110	
3	840	650	440	324	170	
4.5	800	640	430	252	0	
6	530	580	360	240	0	
7.5	486	480	306	---	0	

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	4500 Kgs (DRY)	
	4826 Kgs (WET)	

<b>Approximate Dimensions:</b>	Length	4300 mm
	Width	1150 mm
	Height	2300 mm



Alternative options available Please Contact Godwin Pumps Ltd for details.

Reference Number	HL255M_A
Issue	2

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Assessed to ISO 9001:2000  
 Certificate No. 224





Pump Type	HL225M
Curve No	HL225M-VAR-01/04/03
Branch Sizes	250 X 200mm
Date	01/04/03
Speed	VARIABLE SPEED

