

HL130M Technical Specification

Standard pump material specification

Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	NRV Ball & Seat	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	Cast Iron BS 1452:1990 Grade 220	Steel	Steel	Silicon Carbide / Silicon Carbide	Roller	Angular Contact	Air compressor / Dri-Prime system

Notes: Alternative material specification available on request

Bearing Details

Technical Details:

Suction:	150mm BS10 TABLE E	Maximum Operating Temperature	80 °C
Discharge:	100mm PN25	Maximum Working Pressure	19 Bar
Maximum Capacity	340 M ³ /hr	Maximum Suction Pressure	6 Bar
Maximum Head	193 Meters	Maximum Test Pressure	30 Bar
Maximum Solids handling:	22 mm	Maximum Operating Speed	2100 RPM
Impeller Type	Fully open	Normal Operating Speed	1800 RPM
Number of Blades	3	Minimum Operating Speed	1200 RPM
Maximum Impeller Diameter	514 mm	Standard compressor absorbs	3 KW

Diesel Set - Performance :

Caterpillar C9 207KW @ 2000

Total Suction Head - Meters	Total Delivery Head				
	110	120	140	160	170
	Output M3/hr				
3	319	303	273	227	180
4.5	316	300	270	221	173
6	314	297	266	214	153
7.5	312	295	263	207	140

Impeller Dia: 500 mm

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	460 Litres	
Approximate weight	3800 Kgs (DRY)	
	4175 Kgs (WET)	

Approximate Dimensions:

Length	4000 mm
Width	1540 mm
Height	2260 mm

Diesel Set - Performance :

Volvo TAD940VE 178KW @ 1800

Total Suction Head - Meters	Total Delivery Head				
	85	100	110	120	135
	Output M3/hr				
3	290	268	250	229	178
4.5	288	266	248	226	171
6	284	263	244	221	155
7.5	281	260	242	218	144

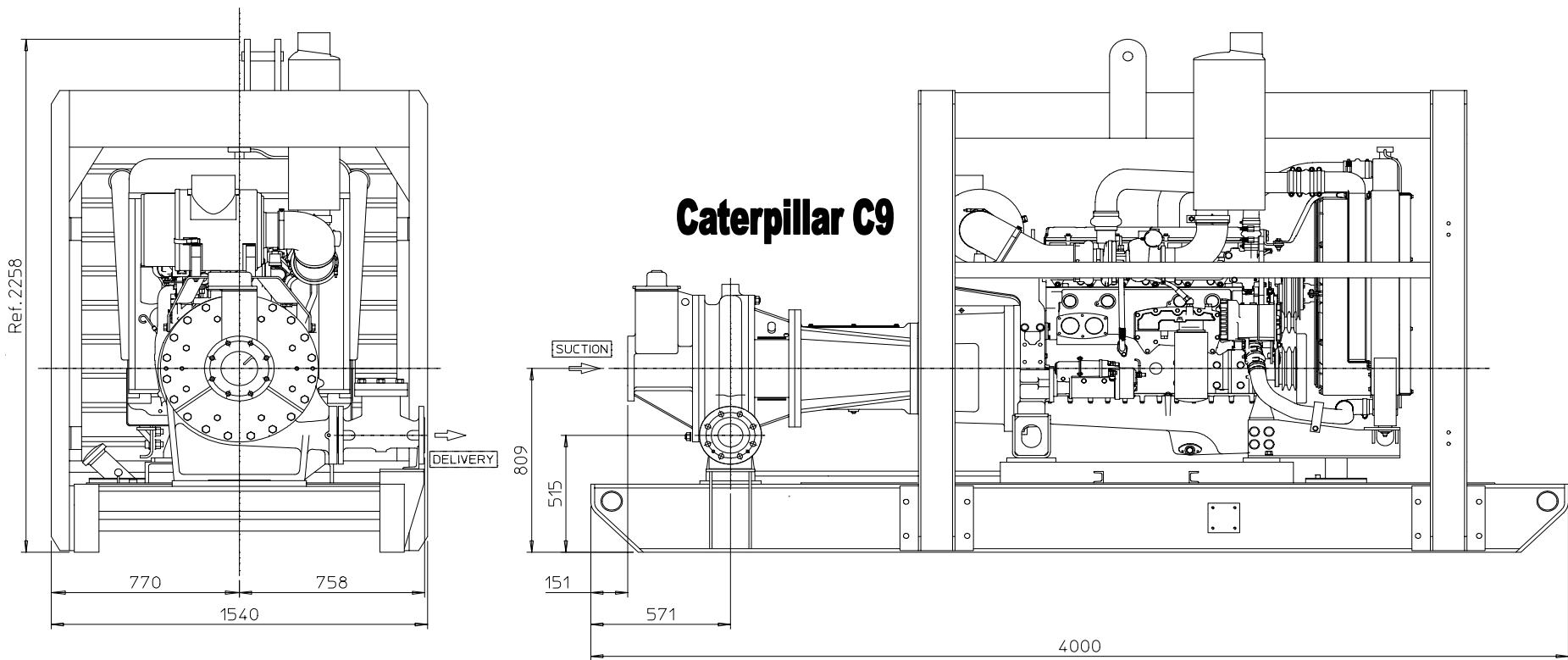
Impeller Dia: 500 mm

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	440 Litres	
Approximate weight	4041 Kgs (DRY)	
	4400 Kgs (WET)	

Approximate Dimensions:

Length	4200 mm
Width	1540 mm
Height	2400 mm



Alternative options available Please Contact Godwin Pumps Ltd for details.

Reference Number	HL130M_A
Issue	2

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Assessed to ISO 9001:2000
 Certificate No. 224





Pump Type	HL130M
Curve No	HL130M-VAR-06.08.2004
Branch Sizes	150 x 100mm
Date	06.08.2004
Speed	VARIABLE

