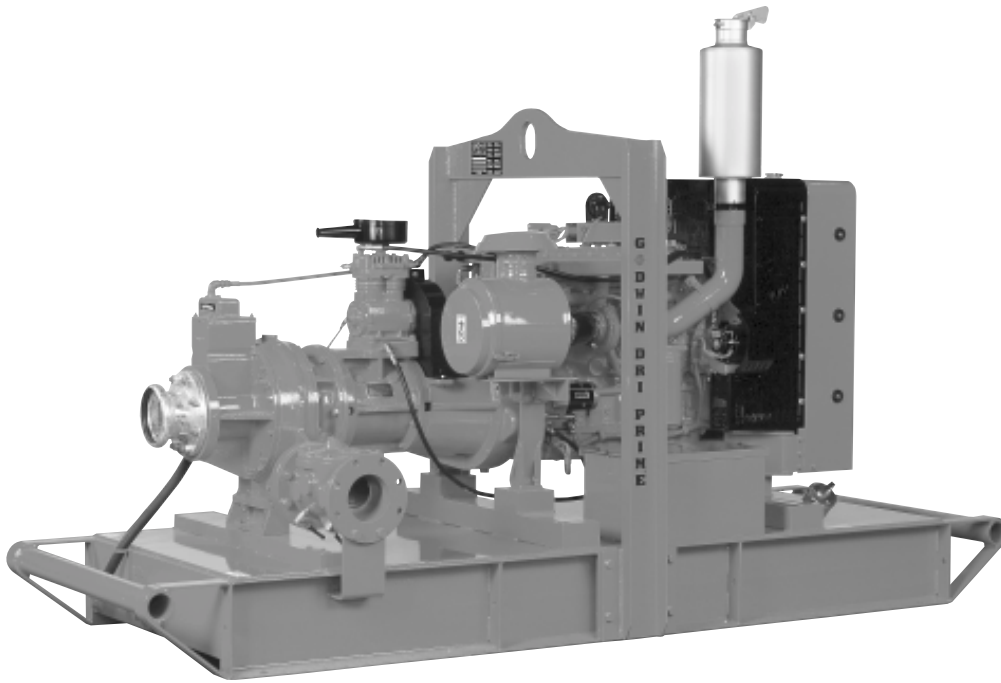


HL150M Dri-Prime® Pumps



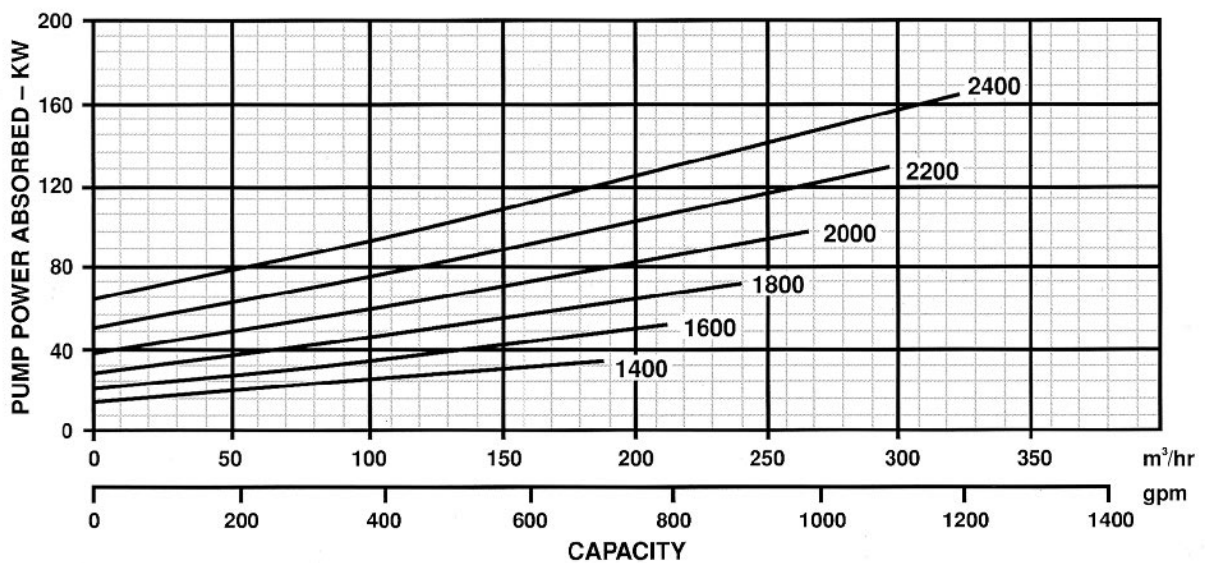
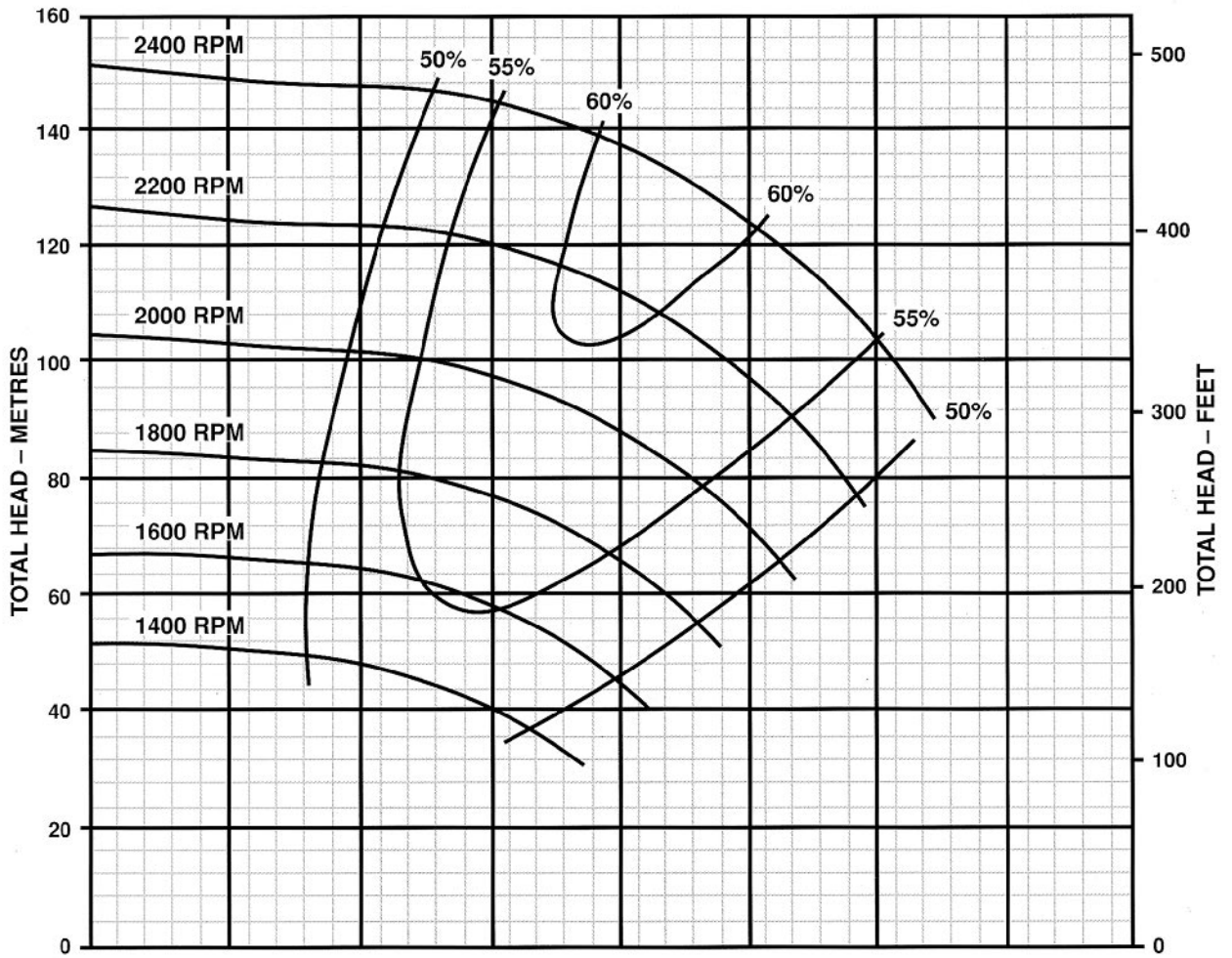
The HL150M automatic Godwin Dri-Prime® 150mm x 150mm centrifugal pump is an extremely powerful yet compact high pressure pump with flow capabilities to 270 M³/hr and discharge heads to 150 meters. In addition, the HL150M features the unique Godwin high pressure oil bath mechanical seal design that allows for totally dry running for indefinite periods of time while automatically priming and repriming. Able to perform in the toughest conditions, the HL150M can pass a solid to 35mm in diameter, making it a high pressure trash pump as well as a superior dewatering pump. The powerful HL150M has already proven itself a pump of choice for mines, quarries, temporary fire pump systems and many other high pressure applications.

Features

- Close coupled automatic priming 150mm x 150mm centrifugal pump mounted to a diesel engine. Also available in electric drive or as bare shaft pump end.
- All cast iron construction with cast chromium steel impeller.
- Extensive application flexibility — will handle liquids with solids up to 35mm in diameter.
- Continuously operated “Godwin” venturi air ejector priming device featuring belt-driven air compressor requiring no form of periodic adjustment or control.
- Dry running, high pressure, oil bath mechanical seal with abrasion resistant solid silicon carbide interfaces.
- Solids handling swing type Non Return Valve with renewable flexible rubber seat.
- Compact unit mounted on a skid base or two wheeled highway trailer, both incorporating integral overnight running fuel tank.
- Simple maintenance — normally limited to checking engine and seal cavity oil levels.
- Standard engine - Caterpillar and Perkins. Also Available with a variety of engines including John Deere, Cummins and Deutz.
- Low profile side discharge for easy pipe connection.

godwin pumps

HL150M – DRI-PRIME



HL150M - TECHNICAL SPECIFICATION

Material Specification

Pump Casing/ Separation Tank	Engine Adaptor	Wear Plate *	Impeller	Shaft	NRV Tank NRV-Flap	Mechanical Seal	Drive End Bearing	Pump End Bearing	Compressor
Cast Iron to BS1452 Grade 220	Cast Iron to BS1452 Grade 220	Cast Iron Hardened to 440 H B Brinell	Cast Steel BS3100 1976GRBW4 Hardened to 341 H B Brinell	Nickel Chrome Steel to BS 970 Grade M40 EN241	Cast Iron - High Nitrile Rubber	Silicon Carbide vs Silicon Carbide	Spherical Roller 2331ES TVPB	Roller NU2312E TVPB-C3	15 cfm @ 60 psi
*Also available in 25% Chrome Iron Abrasion Resistant - Grade BF253-600HB									

Technical Details:

Suction: Flanged 6" Table 'D'
 Discharge: Flanged 150 mm NP16
 Max. Solids handling size 35 mm dia.
 Max. Impeller dia 385 mm (three bladed fully open)
 Max. Operating temp. +100°C
 Max. Working Pressure 14.8 BAR (214 PSI)
 Max. Suction Pressure 6.9 BAR (100 PSI)
 Max. Test Pressure 22.2 BAR (321 PSI)
 Max. Operating Speed 2400 RPM
 Min. Operating Speed 1400 RPM
 Standard Compressor Absorbs 3 kw
 Fuel tank capacity litres hours running
 Perkins 1006-60T 255 11
 Perkins 1006-60TW 350 10

Diesel Set - Performance Tables

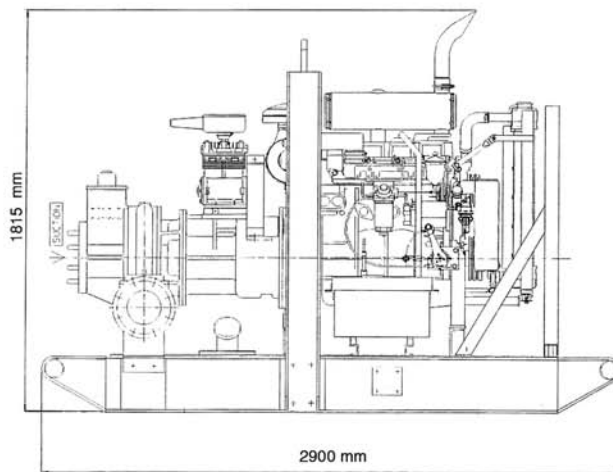
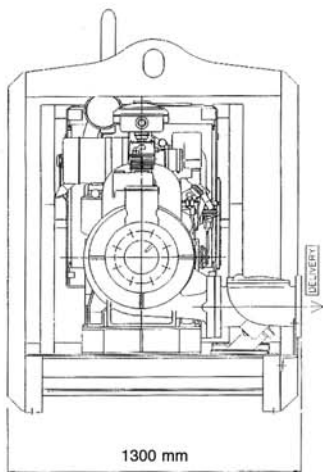
HL150M/1006-60T - 77kw at 1800 r.p.m - 385mm impeller

Total Delivery Head - Feet					
Total Suction	120	160	200	220	240
Head - Feet	Output	GPM			
10	1025	920	780	730	590
15	1020	910	760	700	580
20	1000	900	740	680	540
25	950	850	715	585	375

HL150M/1006-60TW-108kw at 2000 r.p.m - 385mm impeller

Total Delivery Head - Feet					
Total Suction	180	220	260	280	300
Head - Feet	Output	GPM			
10	1050	965	850	800	620
15	1000	940	820	740	560
20	965	890	745	645	465
25	830	755	615	510	265

Approximate Dimensions:



Approximate Net Weight:

HL150M/1006-60T
1870 kg

HL150M/1006-60TW
1880 kg

Performance data provided in curves and tables is based on water tests at sea level and 20°C ambient.

Specifications and illustrations subject to revision without notice. All information is approximate and for general guidance only.

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