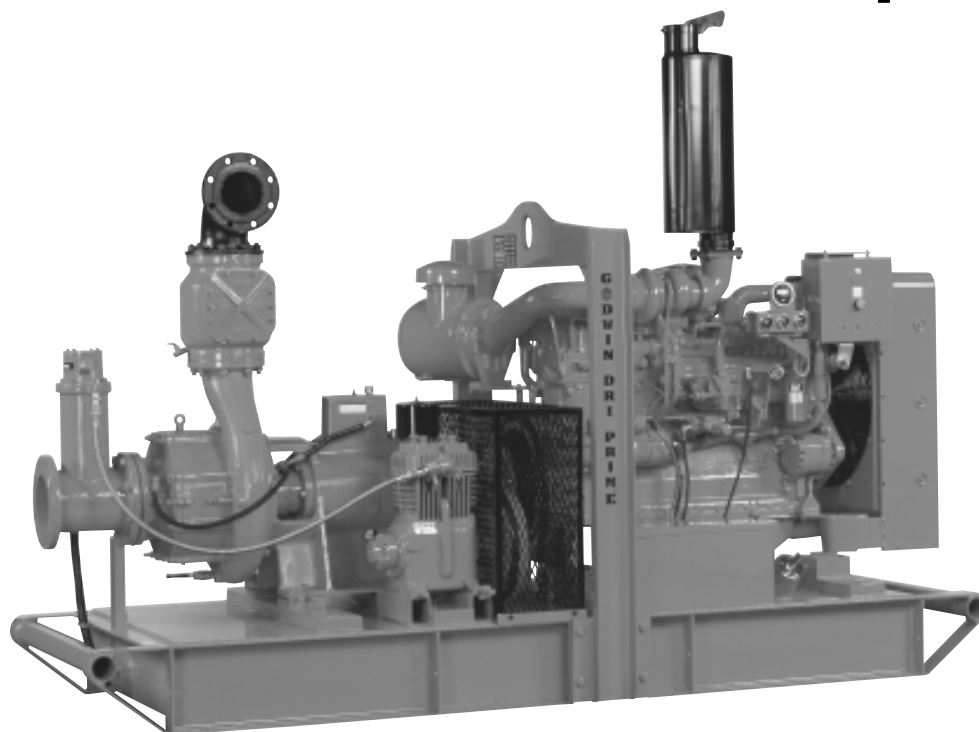


# HL6/TS-2 Dri-Prime® Pumps

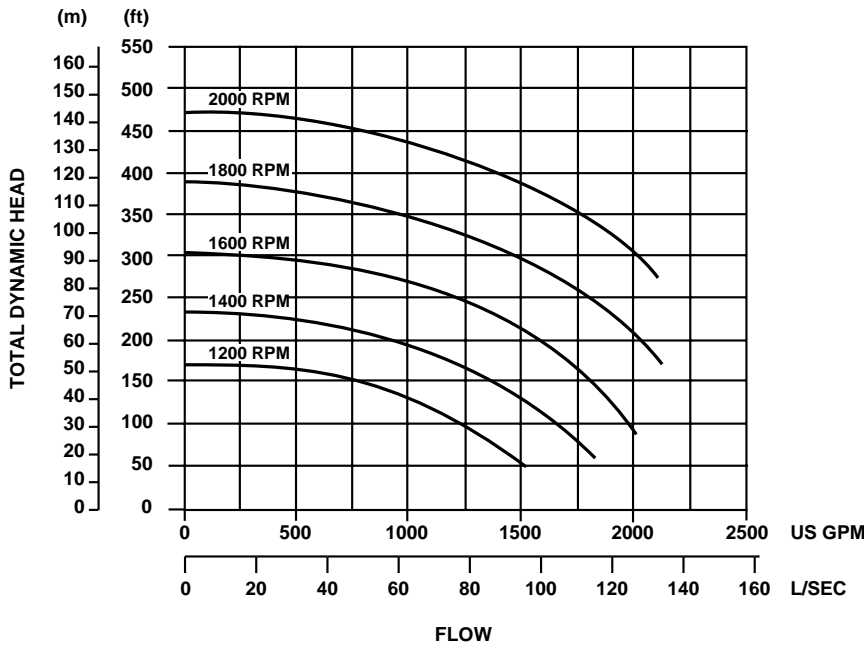


The Godwin Dri-Prime 8" x 6" (200mm x 150mm) HL6/TS-2 is an automatic self-priming, centrifugal, two-stage high pressure discharge pump with maximum flows of 1900 gallons per minute (120 l/sec.) and heads to 470 feet (143.25M) or 203 psi (14 BAR). The unique two-stage impeller design boosts discharge pressures for use in high pressure or high discharge lift applications without sacrificing flow. Successfully used in quarry and mine dewatering and temporary fire service, the HL6/TS-2 is also used as a temporary replacement for permanently installed pumps. Like all Godwin Dri-Prime pumps, the HL6/TS-2 can prime and reprime automatically from dry to 28 feet (8.5M) of suction lift.

## Features

- Fully automatic priming from dry to 28 foot (8.5M) suction lift. Maximum heads to 470 feet, maximum flows to 1900 gpm (120 l/sec.).
- Pumpend available in cast iron, hardened materials construction and stainless steel.
- Extensive application flexibility – will handle sludges and liquids with solids up to 1-1/2" (38mm) in diameter.
- Continuously operated "Godwin" venturi air ejector priming device featuring belt driven air compressor requiring no form of periodic adjustment or control.
- Solids handling mushroom-type Non Return valve with renewable flexible rubber seat.
- Dry running, glycol-lubricated, double high pressure mechanical seal with abrasion resistant solid silicon carbide interfaces.
- Compact unit mounted on a heavy-duty skid base incorporating integral overnight running fuel tank and lifting frame.
- Simple maintenance – normally limited to checking engine, compressor, and seal cavity oil levels.
- Standard engine – Caterpillar 3306TA. Available with a variety of engines including John Deere, Cummins and Deutz. Electric motor driven units are also available.

# HL6/TS-2 Performance Curve



## Performance Table

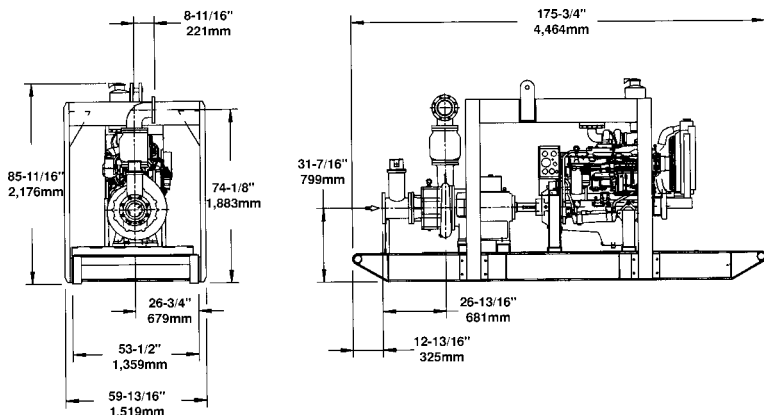
**Diesel Set** — Caterpillar 3306TA, 275 hp (205 kw) @ 2000 rpm  
**Impeller Diameter** — First stage: 13" (330 mm),  
 Second stage: 15-3/4" (400 mm)

Total Suction Head — Feet	Total Delivery Head — Feet						
	100	150	200	250	300	350	400
	Output — GPM						
10	2150	2140	2135	2120	2020	1800	1310
15	2050	2000	1980	1924	1810	1500	1100
20	1840	1820	1800	1785	1750	1450	1050
25	1410	1400	1390	1380	1360	1300	1000

Performance data listed in table and curves are based on water tests at sea level and 68° F (20° C). Larger diameter pipes may be required for maximum flows.

## Dimensions

HL6/TS-2 — Caterpillar 3306TA, Skid Base  
 Weight: 9,000 lbs. (4,082 kg.)



## Specifications

- Maximum Operating Speed:** 2000 rpm
- Maximum Operating Temperature:** +212° F (100° C)
- Maximum Working Pressure:** 196 psi (13.5 BAR)
- Maximum Suction Pressure:** 30 psi (2.1 BAR)
- Maximum Casing Pressure:** 294 psi (20.3 BAR)
- Fuel Tank Capacity:** 175 gallons, skid (250 gallons available) / 662 liters, skid (946 liters available)
- Fuel Consumption:** 13.6 gph (51.48 lph), max.
- Pipe Connections:** Suction: 8" (200mm) ASA 150# / Discharge: 6" (150mm) ASA 150#
- Solids Handling:** 1-1/2" (38mm) diameter

## Materials

- Second Stage Pump Casing, Suction Cover, Separation Tank and Non Return Valve Casing:** Close-Grained Cast Iron
- First Stage Pump Casing Diffuser:** Nickel Chromium Cast Iron Hard coated. Hardened to minimum Brinell 400 HB.
- Impellers:** Cast Chromium Steel hardened to minimum Brinell 341 HB
- Shaft:** 1-1/2% Nickel/Chromium Steel
- Wearplates:** 25% Chromium Alloy Cast Iron to BF253. Hardened to minimum Brinell 600HB
- Non Return Valve Mushroom:** High Nitrile Rubber
- Mechanical Seal Faces:** Solid Silicon Carbide



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