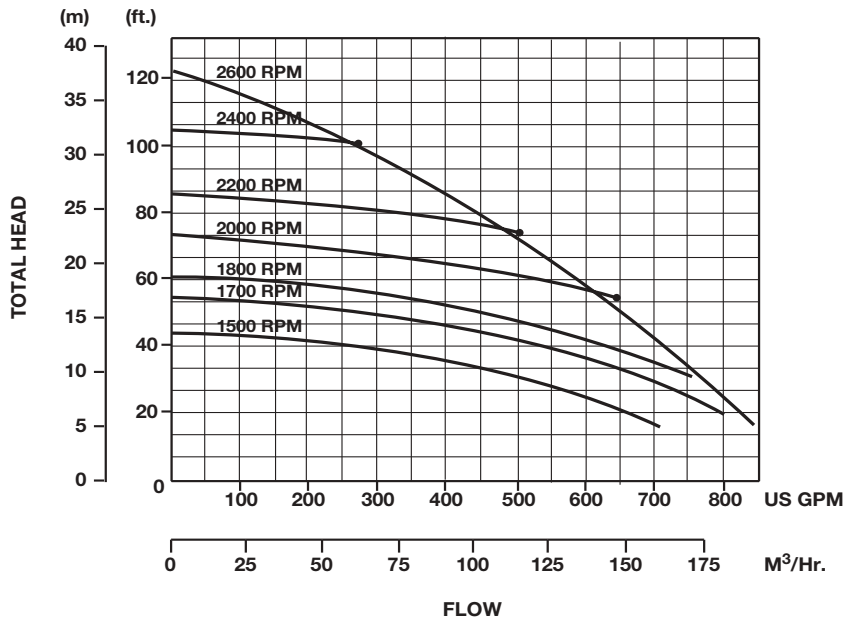


Heidra 100TD Performance Curve



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

Dimensions

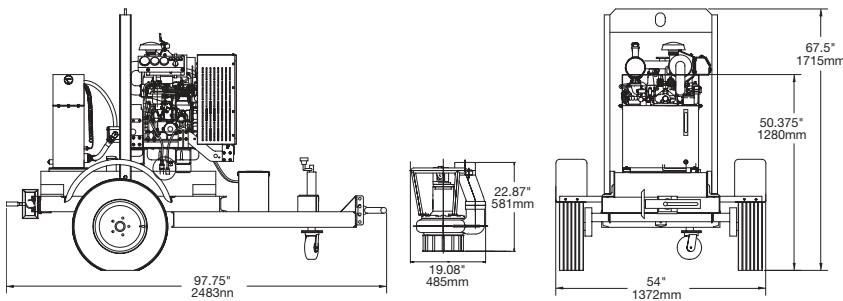
Weights (approx.)

Pump

Aluminum 90 lbs. (41 kg.)

Cast iron 141 lbs. (64 kg.)

Power Pack 1,230 lbs. (558 kg.)



Materials

Pump Casing and Suction Cover:

Aluminum or Cast Iron

Front & Rear Wearplates:

Cast Iron

Pump Shaft:

Mild Steel

Impeller:

Cast Steel

Bearing & Seal Housing:

Cast Iron

Mechanical Seal:

Double mechanical seal in oil bath

Inboard: Silicone Carbide

Outboard: Carbon on Ceramic

Lifting Bracket:

Fabricated Mild Steel tube & plate

Specifications

Submersible Pump:

Hydraulic Motor: Gear Type

Drive Pressures: 3350 psi (231 BAR)

Flow: 8.8 gpm (.56 l/sec.)

Pump Speed: Up to 2200 RPM

Impeller Diameter: 8.4" (213mm)

Solids Handling: 2" (50mm), max.

Discharge: Flanged 4" (100mm) ASA 150

Hydraulic Discharge Connections:

3/4" (19mm) Quick Disconnect
feed and return

1/2" (13mm) Quick Disconnect case drain

Strainer: M.S. Fabrication nylon coated
with 1.75" (44mm) square apertures

Power Pack:

Engine: Yanmar 3TNV88,

28 hp (21kw) @ 2000 RPM

Hydraulic System: Two pipe open circuit

Hydraulic Reservoir: 10 gallon (37.8 liter)
capacity

Control: Through variable engine speed

Hydraulic Pump: Gear type

Output Flow: 8.8 gpm (.56 l/sec.)

Output pressure: Up to 3350 psi (231 BAR)

Suction Filter: 125 micron pleated gauze

Return Line Filter: 20 micron

Hydraulic Pipe Connections:

3/4" (19mm) API

godwin
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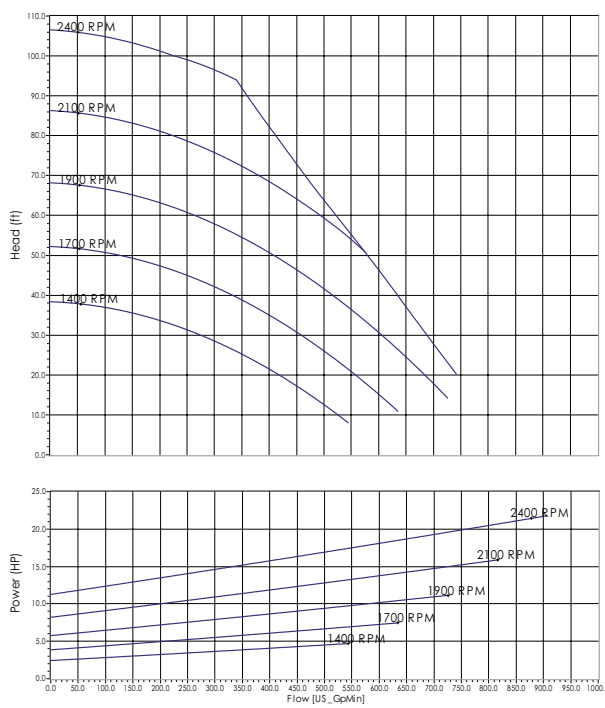
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Performance Curve



Materials

Pump Casing & Suction Cover	Aluminum or cast iron
Pump Shaft	Mild steel
Impeller	Cast steel
Wearplates	Cast iron
Mechanical Seal	Inboard: solid silicon carbide Outboard: carbon on ceramic

Performance Table

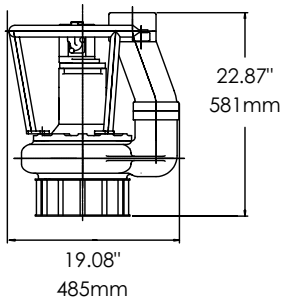
Diesel Set - JD3016D, 28 HP (21 kW) @ 2000 RPM
Impeller Diameter: 8.375" (213 mm)

Total Delivery Head - Feet				
Total Suction Head (ft)	20	40	60	80
Output (GPM)	740	325	510	400

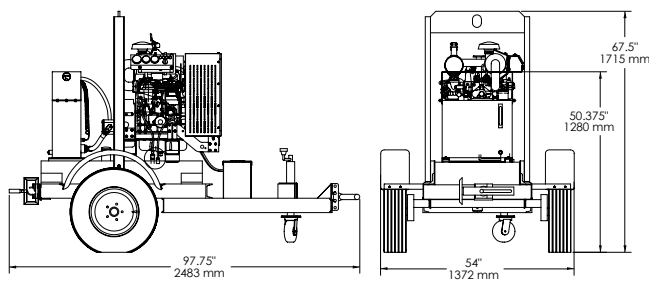
Performance data listed in table and curves based on water test at sea level and 68°F (20°C). Larger diameter pipes may be required for maximum flows.

Drawings

Submersible Pump
Pumpend dry weight - 190 lbs. (86 kg)



Power Pack
Trailer-mounted John Deere 3016D engine
Dry weight - 1600 lbs. (726 kg)



Specifications

Submersible Pump

Hydraulic Motor	Gear type
Drive Pressure	Up to 3350 PSI (231 BAR)
Hydraulic Flow	Up to 8.8 GPM (38.7 m³/h)
Hydraulic Line Length	300' max
Solids Handling	Up to 2" (50 mm) in diameter
Pump Speed (RPM)	Up to 2200 RPM
Impeller Diameter	8.4" (213 mm)
Discharge Flange	4" (100 mm) ASA 150
Hydraulic Connections	0.75" (19 mm) quick disconnect feed and return; 0.5" (13 mm) quick disconnect case drain
Strainer	Nylon coated with 1.75" (44 mm) square apertures

Power Pack

Engine	JD3016D 28 HP (21 kW) @ 2000 RPM
Fuel Consumption	1.21 GPH (4.58 LPH) @ 2200 RPM
Fuel Tank Capacity	30 gallons
Output Hydraulic Flow	8.8 GPM (38.7 m³/h)
Output Pressure Control	Up to 3350 PSI (231 BAR)
Hydraulic System	Two pipe, open circuit
Reservoir	10 gallons (37.8 l)
Control Valve	Through variable speed engine
Connections	0.75" (19 mm) API
Supply Line Filter	125 micron, pleated gauze
Return Line Filter	20 micron

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