

Heidra 150MR Hydraulic Submersible Pump

The Godwin Heidra 150MR hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and 6" hydraulic pump end. With variable speed diesel engine power, the Heidra 150MR offers flow rates to 1270 USGPM and has the capability of handling solids up to 3.0" in diameter.



Please contact the factory or office for further details. A typical picture of the pump is shown. All information is approximate and for general guidance only.

Features and Benefits

- Hydraulic motor circuit designed to allow automatic start and stopping without damage to submersible pump.
- Hard faced mechanical seal in its own clean oil bath allows for indefinite dry running.
- Gear motor connections are standard two-bolt SAE flange & shaft, which allows easy connection to bearing bracket.

Materials

| | |
|----------------------|--|
| Pump casing | Cast iron to BS1452 Grade 220 |
| Wear plates | Cast Iron to BS1452 Grade 220 Nitrided |
| Pump Shaft | Carbon Steel BS 970-3:1991 080M40 |
| Impeller | Cast Steel BS 3100:1991 Grade BW2 |
| Mechanical Seal Face | Silicon Carbide vs Silicon Carbide |
| Suction Strainer | Fabrication Mild Steel tube and plate |

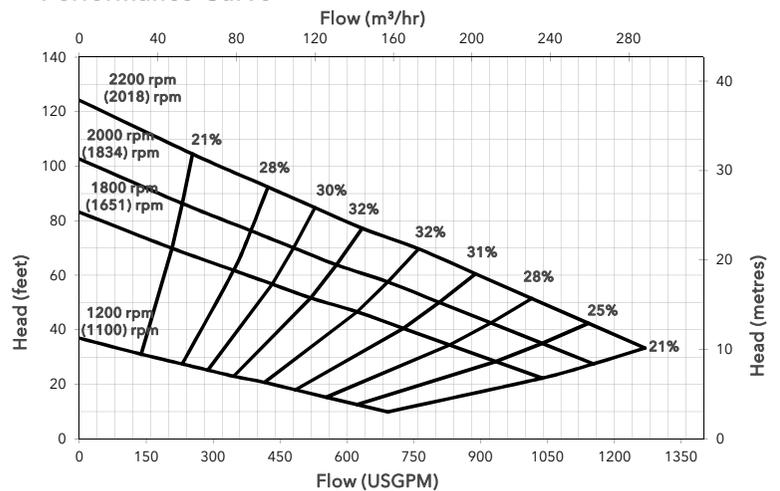
Hydraulic Motor Data

| | |
|--------------------|-------------|
| Max Drive pressure | 3500 psi |
| Hydraulic motor | Gear type |
| Hydraulic Flow | 17-31 USGPM |

* Please contact our office for applications in excess of 176°F.

† Larger diameter pipes may be required for maximum flows.

Performance Curve



NOTE: Curves reference power pack engine speed with pump speed in parenthesis. Performance base on new hydraulic components. Age and wear will reduce performance.

Pump End Specifications

| | |
|---------------------------|-----------------------------|
| Suction Size | 6" with strainer |
| Discharge Size | 6" NPT (F) |
| Max capacity | 1270 USGPM † |
| Max operating speed | 2200 rpm |
| Max Impeller diameter | 11.0" |
| Max operating temperature | 140 °F * |
| Max working pressure | 54 psi |
| Max suction pressure | 25 psi |
| Max casing pressure | 81 psi |
| Max Solids handling | 3.0" |
| Dimensions (L x W x H) | 27" (L) x 20" (W) x 22" (H) |
| Weight | 313 lbs |



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GHPU30 Hydraulic Power Pack

The Godwin GHPU30 hydraulic power pack features an open loop hydraulic system with integrated oil filter and strainer. One on/off handle for simple operation with integrated pressure relief and open center hydraulic valve.

Hydraulic Pump Data

| | |
|--------------------|---------------|
| Max Drive pressure | 3500 psi |
| Hydraulic pump | Gear type |
| Hydraulic Flow | 17-31 USGPM |
| Reservoir capacity | 40 US Gallons |

Power Pack - Option 1

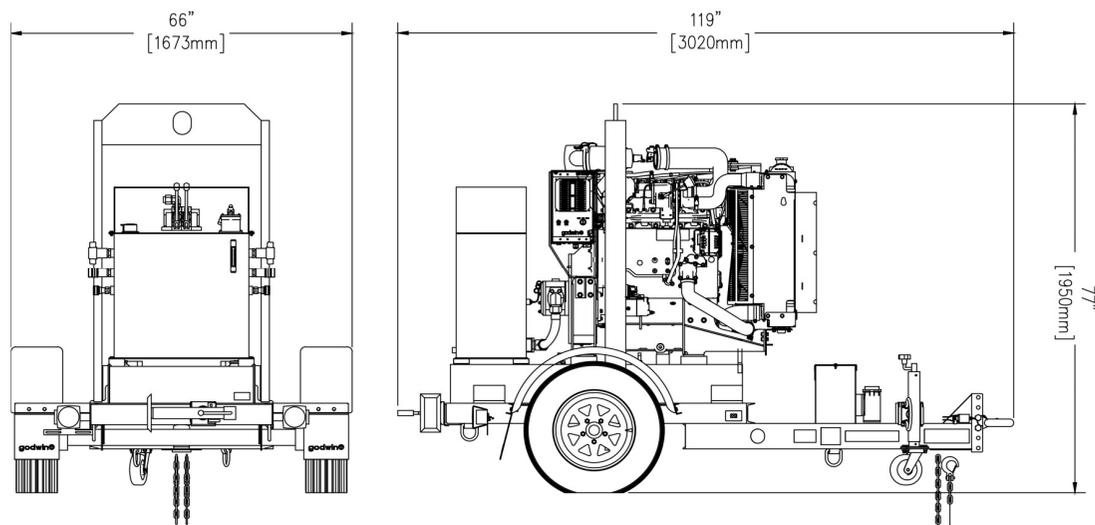
| |
|--|
| Engine model: JCB TCAE-55 (FT4) |
| Engine power: 74 HP @ 2200 rpm |
| Fuel capacity: 60 US Gallons |
| Max Fuel consumption @ 2200 rpm: 3.7 US Gallons/hr |
| Max Fuel consumption @ 1800 rpm: 2.9 US Gallons/hr |
| Output flow: 31 USGPM |
| Weight (dry): 3,190 lbs |
| Weight (wet): 3,620 lbs |
| Dimensions: 119" (L) x 66" (W) x 77" (H) |

Hydraulic Hose

| | |
|-------------|------------------------------|
| Feed/Return | (2) 1" x 50' with wingnut |
| Bleed | 1/2" x 50' with push connect |
| Slurry Gate | N/A |

Power Pack - Option 2

| |
|--|
| Engine model: John Deere 4045TFC03 (FT4) |
| Engine power: 74 HP @ 2200 rpm |
| Fuel capacity: 60 US Gallons |
| Max Fuel consumption @ 2200 rpm: 4.3 US Gallons/hr |
| Max Fuel consumption @ 1800 rpm: 3.4 US Gallons/hr |
| Output flow: 31 USGPM |
| Weight (dry): 3,200 lbs |
| Weight (wet): 3,630 lbs |
| Dimensions: 119" (L) x 66" (W) x 91" (H) |



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