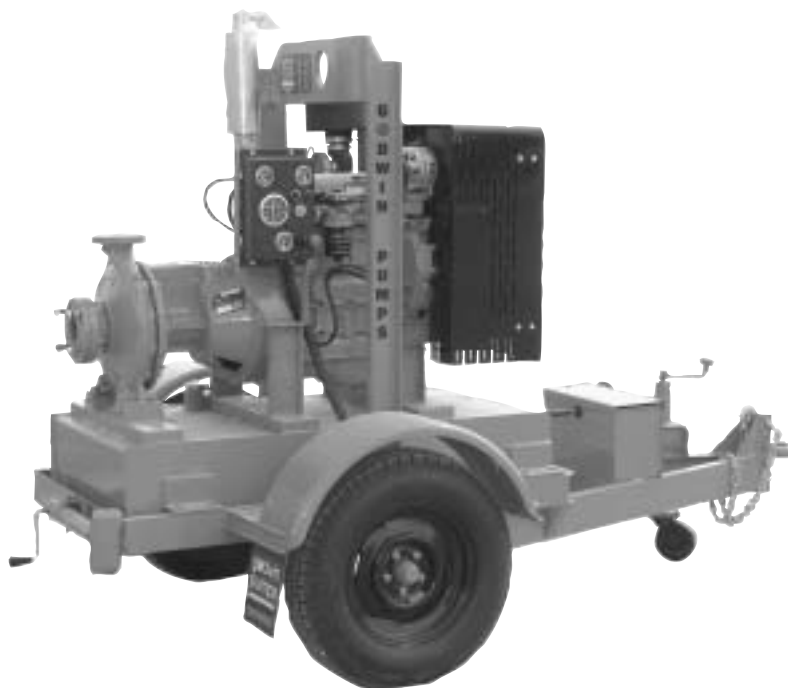


# ISO 80-50-320 Jet Pumps

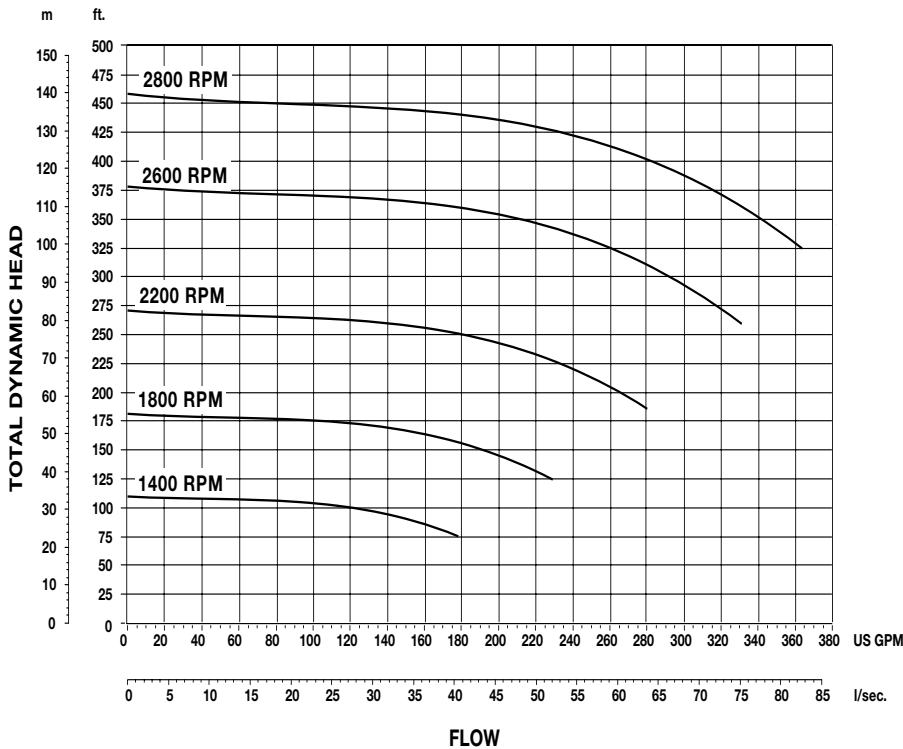


With its all-metal construction, minimum number of moving parts and simplified, minimum maintenance requirements, the Godwin ISO 80-50-320 3" x 2" (75mm x 50mm) end suction centrifugal jet pump is the market leader for industrial, irrigation and agricultural applications around the world. Designed for clean and semi-viscous liquid handling duties, high pressure discharge capabilities to 230 psi (15.9 BAR) make the ISO 80-50-320 jet pump perfect for boosting hydrant pressure in plain water booster applications (pipeline fill and test applications), or for running cutter oil nozzles in tank cleaning operations. The ISO 80-50-320 jet pump offers flow rates to 360 gpm (22.7 l/sec.), heads to 460 ft. (140M), and solids handling to 3/16" (5mm).

## Features

- Maximum heads to 460 feet (140M).  
Maximum flows to 360 gpm (22.7 l/sec.).
- Compact unit mounted on skid base or two wheeled highway trailer both incorporating integral overnight running fuel tank.
- Standard engine – John Deere 4024T. Available with a variety of diesel engines including Caterpillar, Perkins and Deutz. Electric drive version also available.
- Simple maintenance — normally limited to checking engine and seal cavity oil levels.
- Dry running, high pressure oil bath, mechanical seal with abrasion resistant solid silicon carbide interfaces.
- Cast iron construction. Optional Bronze or Stainless Steel construction is also available.
- Application flexibility — will handle clean and semi-viscous liquids, with solids up to 3/16 inch (5mm) in diameter.

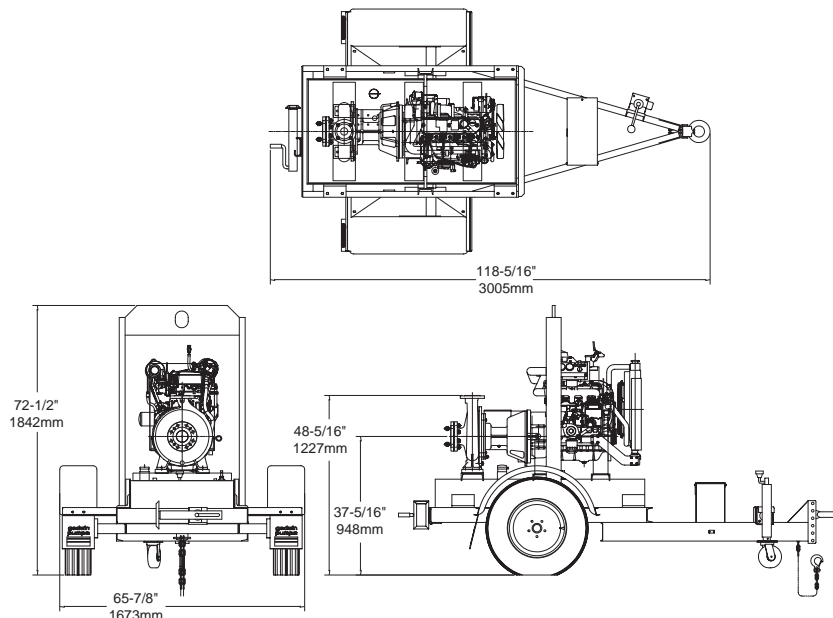
# ISO 80-50-320 Jet Pump Performance Curve



**WARNING:** Pumps are not designed for use in explosive atmosphere, flammable environments or for pumping volatile liquids.

## ISO 80-50-320 Dimensions

**Diesel Set:** John Deere 4024T, 42 hp (31.2 kw) @ 2800 rpm  
**Impeller Diameter:** 13" (329mm)  
**Mounting:** GP60 Highway Trailer  
**Weight:** 3150 lbs. (1429 kg.)



## Specifications

- Maximum Operating Speed:** 2800 rpm
- Maximum Operating Temperature:** 212° F (100° C)
- Maximum Working Pressure:** 230 psi (15.9 BAR)
- Maximum Suction Pressure:** 40 psi (2.8 BAR)
- Maximum Casing Pressure:** 270 psi (18.6 BAR)
- Fuel Tank Capacity:** 60 gallons (227 litres)
- Fuel Consumption:** 2.6 gph (9.8 lph)
- Pipe Connections:** 3" x 2" (75mm x 50mm)
- Solids Handling:** 3/16" (5mm)

## Materials

- Pump Casing, Suction Cover, Separation Tank, Wearplates and Impeller:** Close-Grained Cast Iron
- Shaft:** 1-1/2% Nickel/chromium Steel
- Mechanical Seal Faces:** Solid Silicon Carbide



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### BRANCH LOCATIONS:

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