

4" PRIME ASSISTED

Solids Handling Pump

Our 4" solids handling jet pump is designed for high flows to 1,200 gpm and heads to 132 feet. Our quick self-priming pump eliminates the need for a waste hose and the need to fill up the pump housing with water to obtain prime. It also prevents discharge of pumping effluent onto the ground. In addition, our Tier IV diesel engines reduce emissions.



Features

- John Deere 4024TF281-49 engine
- Fully automatic, dry priming to 28 feet
- High head to 132 feet
- Maximum flows to 1200 gpm
- Solids handling to 3"

Specification

- Fuel tank capacity: 55 US Gallons
- Fuel consumption: 1.68 gph @ 2,200 rpm
- Maximum operating speed: 2,200 rpm
- Maximum operating temperature: 200 degrees F
- Maximum working pressure: 60 psi
- Maximum suction lift: 28 feet
- Impeller: 8.25" diameter

Engine Specifications

- Engine: John Deere 4024T, 37hp@ 2,000 rpm
- Type: 4-cylinder, in-line, 4-cycle, direct-injected turbo-charged, Interim Tier IV diesel
- Displacement: 275 cubic inches
- Fuel Economy:**
 - + .392 lb/hp-hr @ 2200 rpm
 - + .386 lb/hp-hr @ 2000 rpm
 - + .381 lb/hp-hr @ 1800 rpm
- Maximum operating time:**
 - + 32 hours @ 2,200 rpm
 - + 39 hours @ 2,000 rpm
 - + 50 hours @ 1,800 rpm

Vacuum Pump Specifications

- Vacuum pump: Dry, rotary claw, air cooled, oil less, direct drive (5.4 hp)
- Casing: Class 30 cast iron
- Maximum operating temperature: 200 degrees F
- Maximum working pressure: 15 psi
- Maximum suction lift: 28 feet
- Air handling capacity: 97 SCFM

Construction

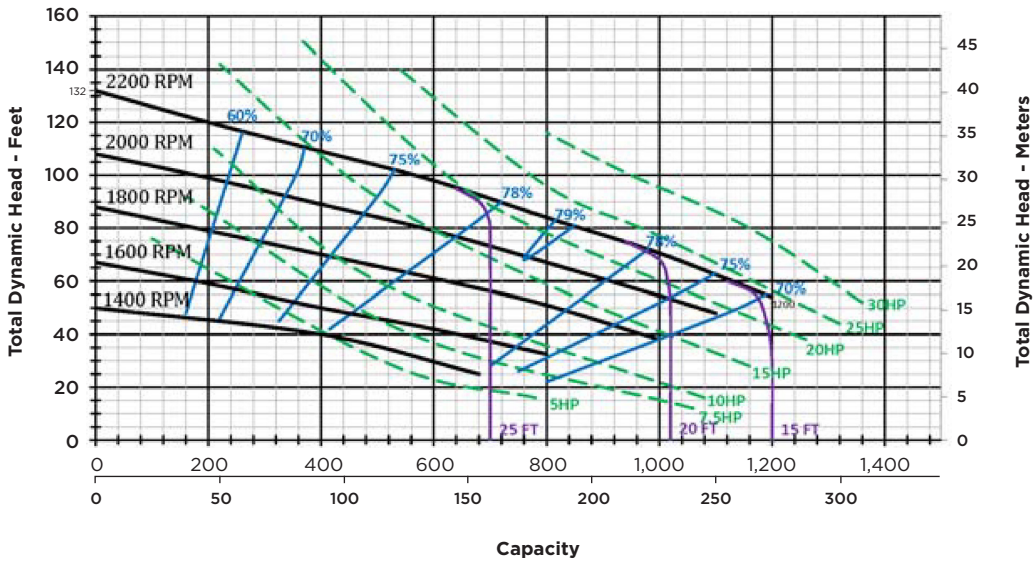
- Pump casing: Heavy duty Class 30 cast iron
- Impeller: Dynamically balanced, non-clogging, enclosed, CD4MCu, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life

- Mechanical Seal: 2.5" run-dry, grease lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. All other components are 304 stainless steel and viton.

- Head: back pull out design, heavy-duty class 30 cast iron with tapered bore design
- Bearing and Frame: 30 cast iron, heavy duty grease lubricated
- Shaft: 17-4 pH stainless steel fitted with renewable 416 stainless steel sleeve

**Photos are representational; actual products vary. Additional product plans and specifications may vary from those shown and are subject to in-stock availability.*

4" Pump Performance Curve



**Some details not shown in all views. Overall dimensions are normal.*

**Photos are representational; actual products vary. Additional product plans and specifications may vary from those shown and are subject to in-stock availability.*