

6" Prime Assisted

Solids Handling Pump

Our 6" solids handling jet pump is designed for high flows to 2,700 gpm and heads to 195 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 eluent onto the ground. In addition, our Tier IV diesel engines reduce emissions.



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

Features

John Deere 4045TF290-74 engine
 Fully automatic, dry priming to 28 feet
 High head to 195 feet
 Maximum flows to 2700 gpm
 Solids handling to 3"
 Emergency engine shutdown button

Specifications

Fuel tank capacity: 114 US Gallons
 Fuel consumption: 3.97 gph @ 2,000 rpm
 Maximum operating speed: 2,000 rpm
 Maximum operating temperature: 200 degrees F
 Maximum working pressure: 130 psi
 Maximum suction lift: 28 feet
 Impeller: 12" diameter

Engine Specifications

Engine: John Deere 4045T, 72hp@ 2,000 rpm
 Type: 4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel
 Displacement: 275 cubic inches
 Fuel Economy:
 + .397 lb/hp-hr @ 2,000 rpm
 + .395 lb/hp-hr @ 1,800 rpm
 + .397 lb/hp-hr @ 1,600 rpm
 Maximum operating time:
 + 28 hours @ 2,000 rpm
 + 36 hours @ 1,800 rpm
 + 49 hours @ 1,600 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

Features

Pump casing: Heavy Duty Class 30 cast iron
 Impeller: Dynamically balanced, non-clogging, enclosed, CD4MU with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life.
 Head: Heavy duty class 30 cast iron with tapered bore design

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.

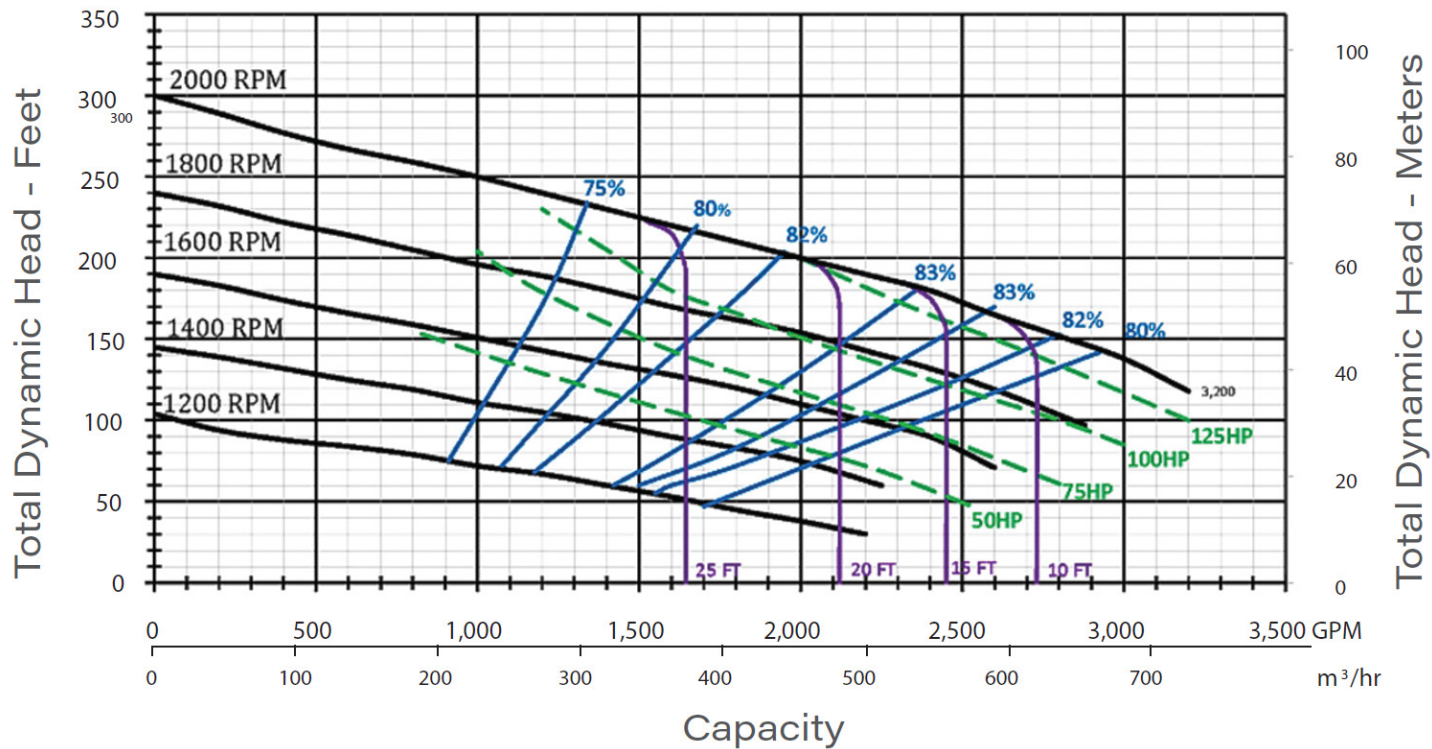
Bearing and Frame: Heavy duty class 30 cast iron, heavy duty grease lubricated
 Suction wear ring: Replaceable, class 30 cast iron
 Shaft: 17-4 pH stainless steel and fitted with a renewable 416 stainless steel shaft sleeve



We proudly provide specialty-containment and waste-management solutions, with industry-leading service, safety, access and integrity.

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6" Pump Performance Curve



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

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