

6" PRIME ASSISTED

Stainless Steel 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 effluent onto the ground. In addition, our Tier IV diesel engines reduce emissions.



Features

John Deere 4045TF290-74 engine

Fully automatic, dry priming to 28 feet

High head to 195 feet

Maximum flows to 2,700 gpm

Solids handling to 3"

Specification

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 operating 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 @ 2,200 rpm
- + .395 lb/hp-hr @ 1800 rpm
- + .397 lb/hp-hr @ 1600 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

Construction

Pump casing: CD4MCu

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, oil or 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.

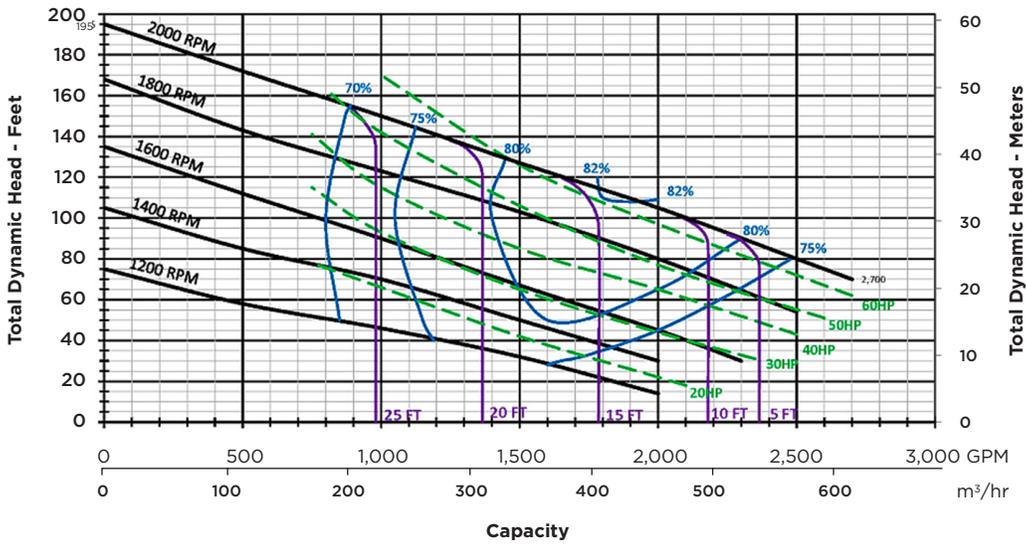
Head: Rugged, back pull out design, CD4MCu Stainless Steel with tapered bore design

Bearing and Frame: Class 30 cast iron, heavy duty grease lubricated

Shaft: CD4MCu stainless steel fitted with a 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.*

6" Pump Performance Curve



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

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