

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 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 2700 gpm

Solids handling to 3"

Emergency engine shutdown button

## 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 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 @ 2000 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: 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.

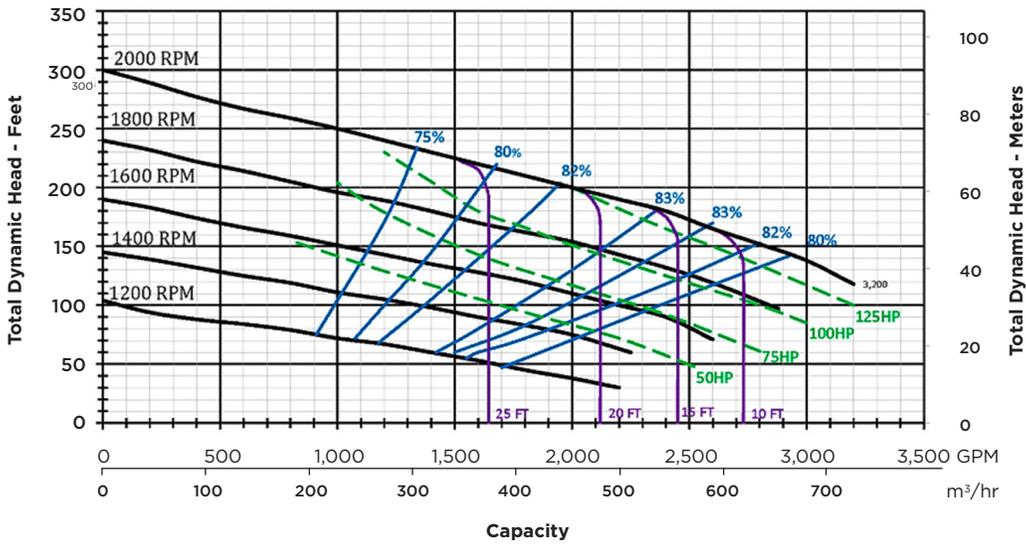
Bearing and Frame: Heavy duty class 30 cast iron, heavy duty grease lubricated

Suction wear ring: Replaceable, class 30 cast iron

Shaft: 17-4 pH stainless steel and fitted with a renewable 416 stainless steel shaft sleeve

*\*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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