

## 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.



\*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 2,700 gpm  
Solids handling to 3"

### 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 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

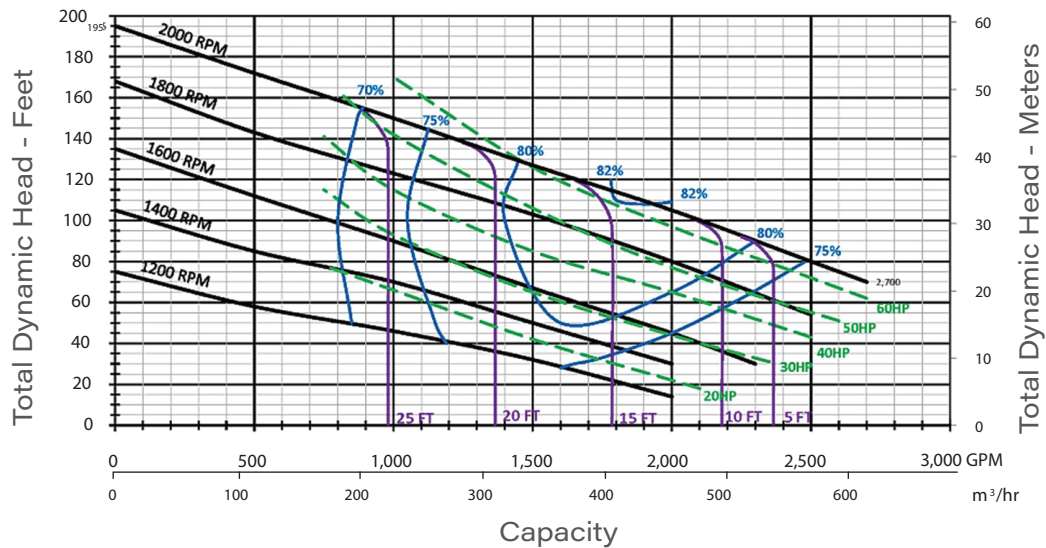
Vacuum pump: Dry, rotary claw, air cooled, oil less, direct drive (5.4 hp)  
Casing: Class 30 cast iron  
Maximum operating temperature: 200 degrees F  
Maximum working pressure: 15 psi  
Maximum suction lift: 28 feet  
Air handling capacity: 97 SCFM

### 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

## 6" Pump Performance Curve



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

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