

4" PRIME ASSISTED

High Head Solids Handling Pump

Our 4" solids handling jet pump is designed for high flows to 1,360 gpm and heads to 330 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.



Features

John Deere 4045HF285-115 engine

Fully automatic, dry priming to 28 feet

High head to 330 feet

Maximum flows to 1360 gpm

Solids handling to 3"

Specification

Fuel tank capacity: 114 US Gallons

Fuel consumption: 5.13 gph @ 2,000 rpm

Maximum operating speed: 2,000 rpm

Maximum operating temperature: 200 degrees F

Maximum operating pressure: 140 psi

Maximum suction lift: 28 feet

Maximum casing pressure: 285 psi

Impeller: 14" diameter

Engine Specifications

Engine: John Deere 4045H, 104hp@ 1,800 rpm

Type: 4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Tier III diesel

Displacement: 275 cubic inches

Fuel Economy:

- + .381 lb/hp-hr @ 2000 rpm
- + .377 lb/hp-hr @ 1800 rpm
- + .373 lb/hp-hr @ 1600 rpm

Maximum operating time:

- + 22 hours @ 2,000 rpm
- + 28 hours @ 1,800 rpm
- + 38 hours @ 1,600 rpm

Vacuum Pump Specifications

Vacuum pump: Dry, rotary claw, air cooled, oil less, direct drive (5.4 hp)

Casing: 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: 30 cast iron

Impeller: Dynamically balanced, non-clogging, enclosed, 65-45-12 ductile iron, 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.

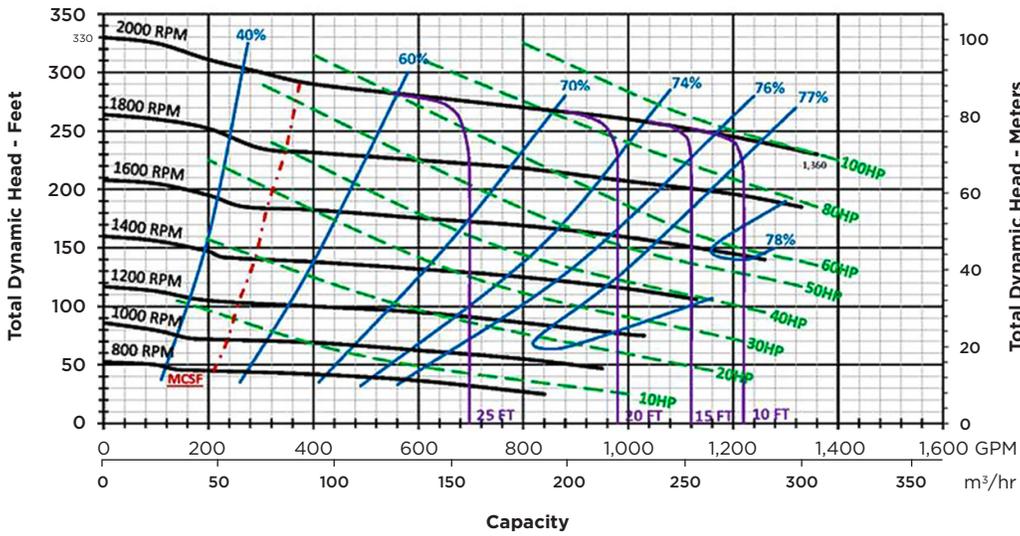
Head: 30 cast iron with tapered bore design

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

Shaft: "Stress-proof" 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" High Head Pump Performance Curve



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

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