

6" PRIME ASSISTED

# High Head Solids Handling Pump

Our 6" solids handling jet pump is designed for high flows to 2,000 gpm and heads to 472 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 6068HF485-225 engine

Fully automatic, dry priming to 25 feet

High head to 472 feet

Maximum flows to 2000 gpm

Solids handling to 3"

Emergency engine shutdown button

## Specification

Fuel tank capacity: 140 US Gallons

Fuel consumption: 10.72 gph @ 2,000 rpm

Maximum operating speed: 2,000 rpm

Maximum operating temperature: 200 degrees F

Maximum operating pressure: 140 psi

Maximum working pressure: 205 psi

Maximum suction lift: 28 feet

Impeller: 17.5" diameter

## Engine Specifications

Engine: John Deere 6068H, 203hp@ 1,800 rpm

Type: 6-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Tier III diesel

Displacement: 548 cubic inches

### Fuel Economy:

- + .347 lb/hp-hr @ 2000 rpm
- + .347 lb/hp-hr @ 1800 rpm
- + .351 lb/hp-hr @ 1600 rpm

### Maximum operating time:

- + 13 hours @ 2,000 rpm
- + 14 hours @ 1,800 rpm
- + 18 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, CD4MU with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life.

Mechanical Seal: Dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. All other components are 304 stainless steel and viton.

Head: 30 cast iron with tapered bore design

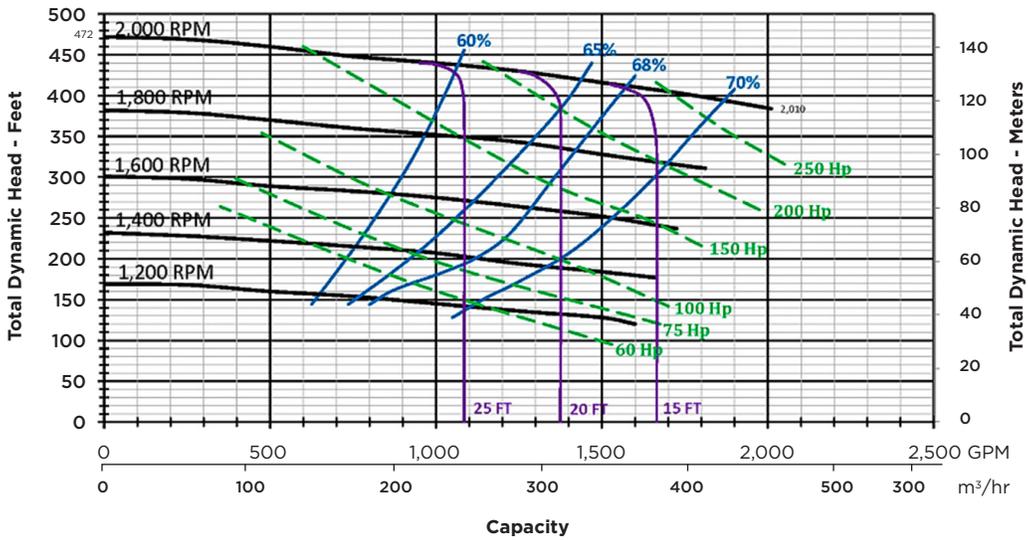
Bearing and Frame: 30 cast iron, heavy duty grease lubricated

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 High Head Performance Curve



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

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