IRONCLAD
POWERED BY MERSINO

8” Prime Assisted

Solids Handling Pump

Our 8” solids handling jet pump is designed for high flows to 3,200 gpm and heads to 300 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.

*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 4045HF485-154 engine

Fully automatic, dry priming to 28 feet

High head to 300 feet

Maximum flows to 3,200 gpm

Solids handling to 3”

Emergency engine shutdown button

Specifications

Fuel tank capacity: 114 US Gallons

Fuel consumption: 4.33 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: 14” diameter

Engine Specifications

Engine: John Deere 4045H, 149hp@ 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:
+ .350 lb/hp-hr @ 2,000 rpm
+ .351 lb/hp-hr @ 1,800 rpm
+ .360 lb/hp-hr @ 1,600 rpm

Maxium operating time:
+ 26 hours @ 2,000 rpm
+ 28 hours @ 1,800 rpm
+ 33 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

Features

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

We proudly provide specialty-containment and waste-management solutions, with industry-leading service, safety, access and integrity.

Learn more at IRONCLADENVIRONMENTAL.COM

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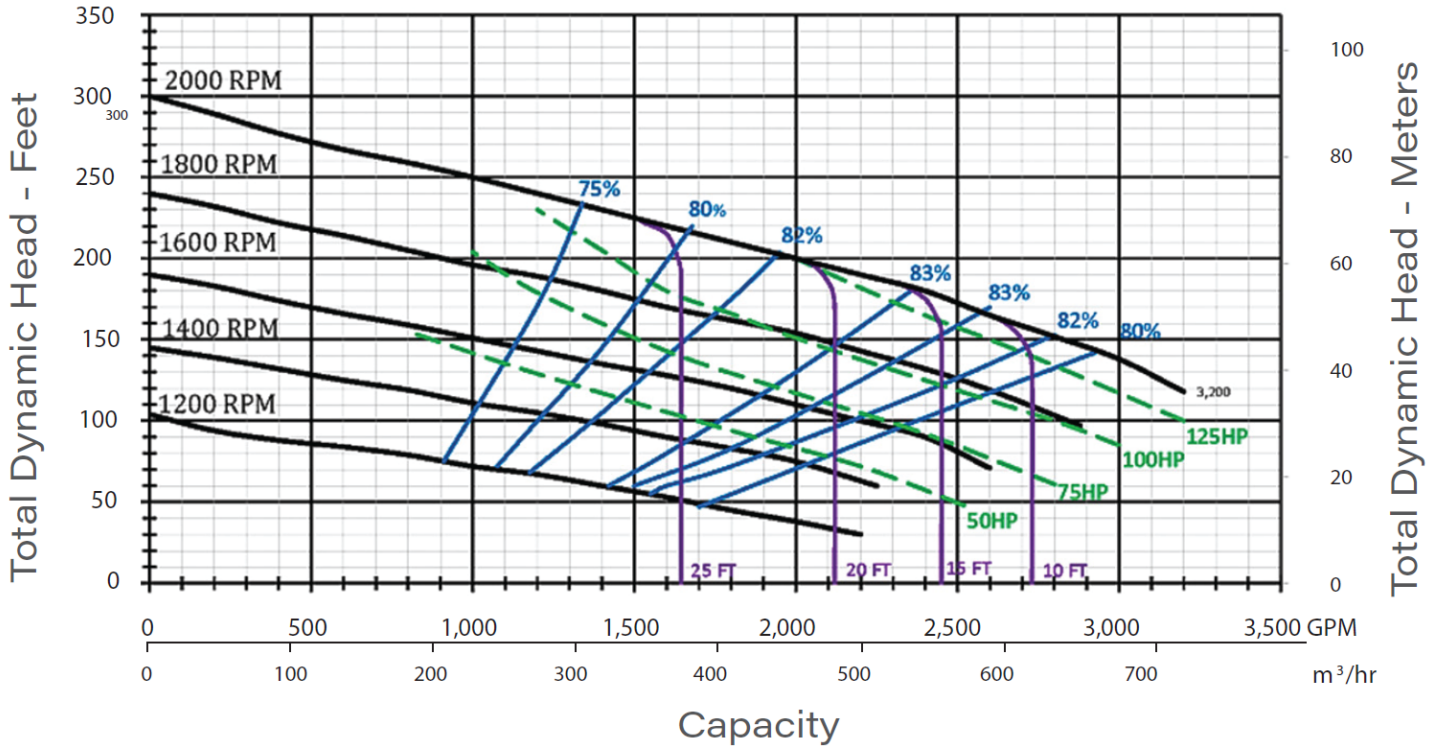
8” Pump Performance Curve



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

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