IRONCLAD
POWERED BY MERSINO

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.

*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 4045HF285-115 engine

Fully automatic, dry priming to 28 feet

High head to 330 feet

Maximum flows to 1360 gpm

Solids handling to 3”

Specifications

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

Maxium 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

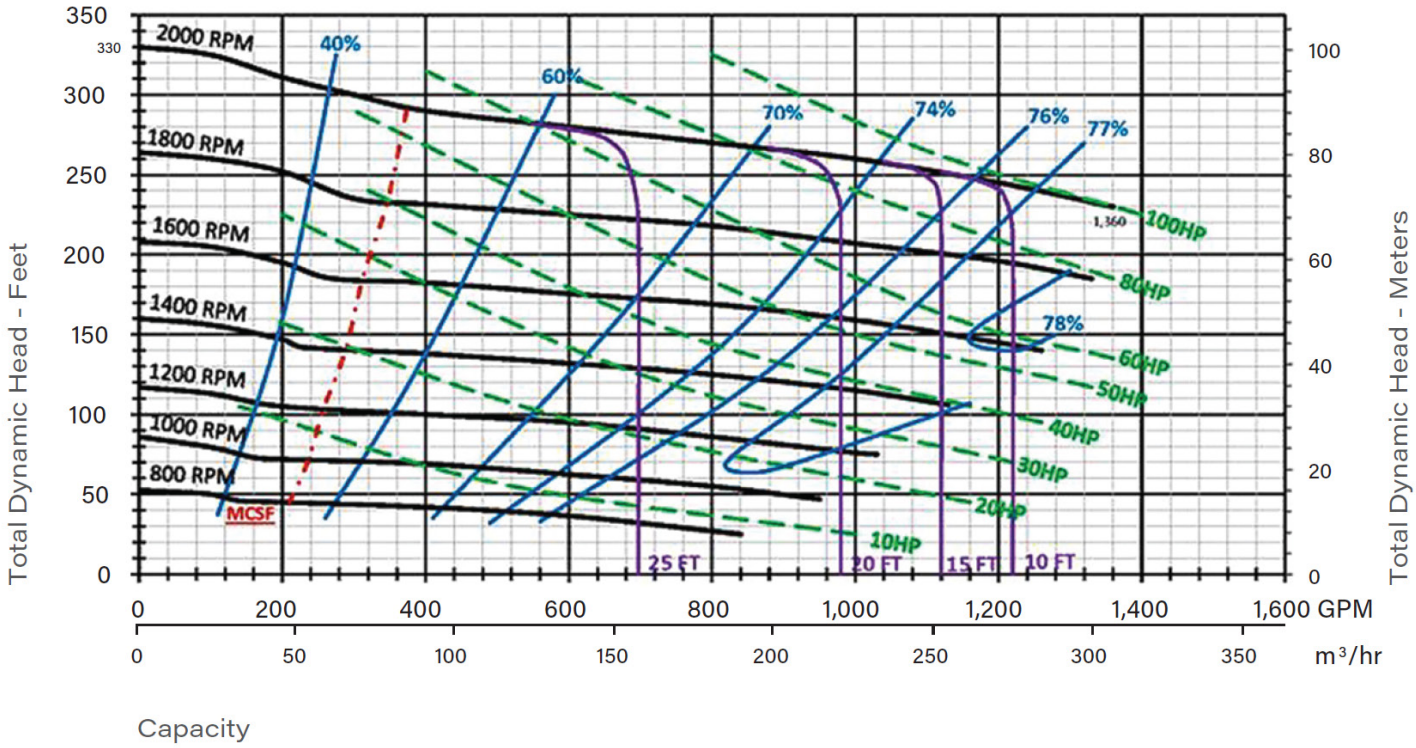
Shaft: “Stress-proof” steel fitted with renewable 416 stainless steel sleeve

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

Learn more at IRONCLADENVIRONMENTAL.COM

IRONCLAD
POWERED BY MERSINO

4” High Head Pump Performance Curve



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

*Photos are representational; actual products vary. Additional product plans and specifications may vary from those shown and are subject to in-stock availability.

Learn more at IRONCLADENVIRONMENTAL.COM

IRONCLAD
POWERED BY MERSINO