

12" PRIME ASSISTED

High Head Solids Handling Pump

Our 12" high head solids handling jet pump is designed for high flows to 5,180 gpm and heads to 340 feet, perfect for pumping long distances. 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

Volvo TAD873VE engine
High head to 340 feet
Maximum flows to 5,180 gpm
Automatic shutdown for low oil pressure and high coolant temperature
Optional Sound Attenuation enclosure
Solids handling to 3"

Specifications

Suction size: 12 inches
Discharge size: 12 inches
Fuel tank capacity: 220 US Gallons
Fuel consumption: 15.14 gph @ 1800 rpm
Maximum operating speed: 1 800 rpm
Maximum operating temperature: 200 degrees F
Maximum working pressure: 147.2 psi
Impeller: 17.5" diameter
Approximate dry weight: 7,770 lbs

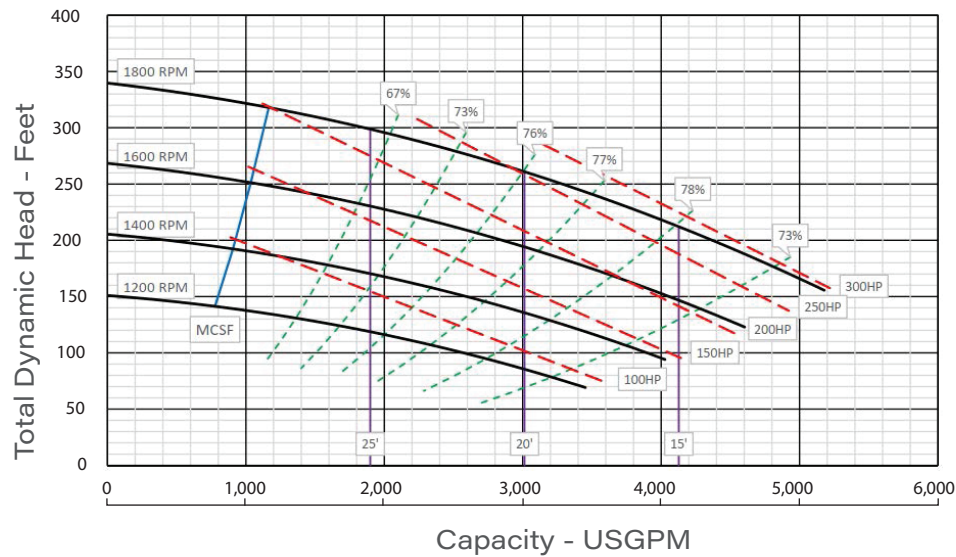
Engine Specifications

Engine: Volvo TAD873VE, 300 hp @ 2,200 rpm
Type: 6-cylinder, in-line, 4-cycle, water-cooled, direct-injected turbo-charged, Final Tier IV diesel
Fuel Economy:
+ .337 lb/hp-hr @ 1900 rpm
+ .330 lb/hp-hr @ 1800 rpm
+ .325 lb/hp-hr @ 1600 rpm
Maximum operating time:
+ 14 hours @ 1,800 rpm
+ 20 hours @ 1,600 rpm
+ 30 hours @ 1,400 rpm

Construction

Pump casing: Class 30 ductile iron
Impeller: Dynamically balanced, non-clogging, enclosed, CD4MCu wear ring, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life
Mechanical Seal: 3" run-dry, oil-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: Back pull out design, heavy-duty class 30 ductile iron with tapered bore design
Bearing and Frame: Cast iron frame, heavy duty, grease lubricated tapered roller to carry both axial and radial loads
Shaft: 17-4 pH stainless steel fitted with renewable 316 stainless steel sleeve

12 " High Head Pump Performance Curve



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

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