

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.



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"

Specification

- Suction size: 12 inches
- Discharge size: 12 inches
- Fuel tank capacity: 220 US Gallons
- Fuel consumption: 15.14 gph @ 1800 rpm
- Maximum operating speed: 1800 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

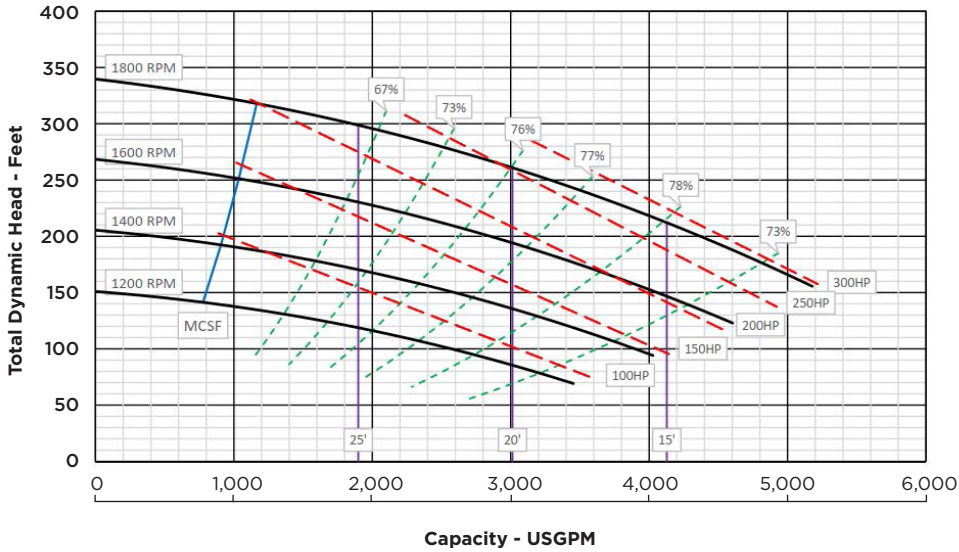
- Engine: Volvo TAD873VE, 300 hp @ 2,200 rpm
- Type: 6-cylinder, in-line, 4-cycle, water-cooled, direct-injected turbo-charged, Final Tier IV diesel
- Fuel Economy:**
 - + .337 lb/hp-hr @ 1900 rpm
 - + .330 lb/hp-hr @ 1800 rpm
 - + .325 lb/hp-hr @ 1600 rpm
- Maximum operating time:**
 - + 14 hours @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

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

12" High Head Pump Performance Curve



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

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