6” Solids Handling Vacuum-Assisted Jet Pump SVD64

With its heavy-duty CD4MCu Stainless Steel construction and fast priming capabilities, this solids handling jet pump leads the industry in construction, industrial and mining applications. The SVD64 is designed for high flows to 2,010 gpm and heads to 472 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine –John Deere 6068HF485-225.
- Fully automatic, dry priming to 28 feet.
- High heads to 472 feet
- Maximum flows to 2,010 gpm
- Solids handling to 3”
- ALL wetted pump parts constructed of CD4MCu
- Modular frame included with optional drop-on Silent Knight® sound enclosure capability
- Maximum operating time is:
  13 hours @ 2,000 rpm
  14 hours @ 1,800 rpm
  18 hours @ 1,600 rpm
- 97 SCFM Oil-Less vacuum pump air handling capacity
- Emergency Engine Shutdown Button

OIL-LESS VACUUM TECHNOLOGY

- Provides extremely fast priming because of the high air handling capacity
- Prevents discharge of pumping effluent onto the ground
- Eliminates need for a waste hose
- Eliminates need to fill up pump housing with water to obtain original prime at start-up

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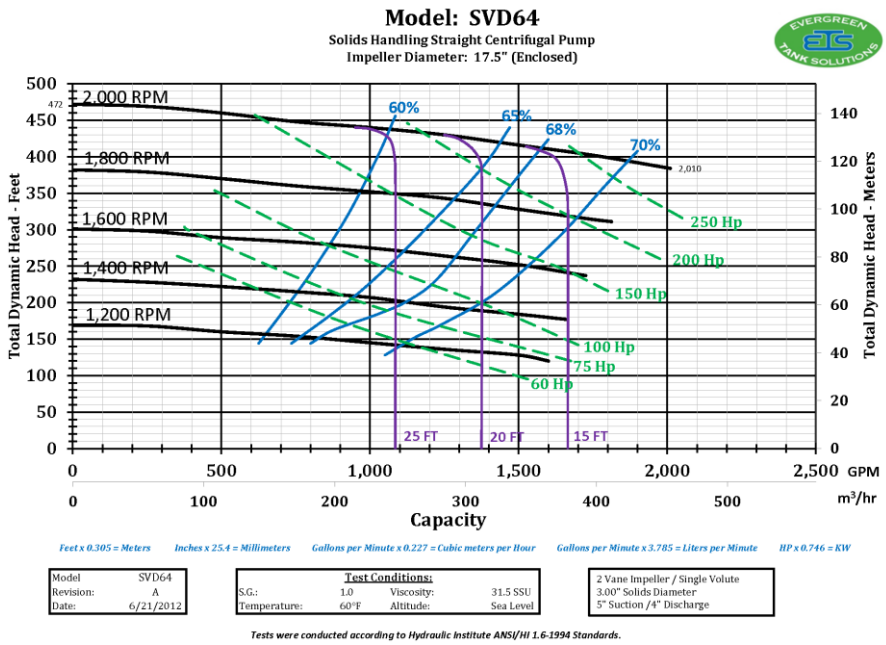
SVD64 Performance Curve



Materials of Construction

Pump Casing: CD4MCu Stainless Steel
Impeller: Dynamically balanced, non-clogging, enclosed, CD4MCu, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; Diameter 12”
Mechanical Seal: 2.5” run-dry, 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: Rugged, back pull out design, CD4MCu Stainless Steel with tapered bore design
Bearings & Frame: Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast-iron
Shaft: CD4MCu stainless steel fitted with a renewable 416 stainless steel sleeve

Unit Specifications

Fuel Tank Capacity: 140 US gallons
Fuel Consumption: 10.72 gph @ 2,000 rpm
Maximum Operating Speed: 2,000 rpm
Maximum Operating Temperature: 200°F
Maximum Working Pressure: 205 psi
“Defined by the Hydraulic Institute as the maximum discharge pressure which could occur in the pump when it is operated at rated speed.”
Maximum Suction Lift: 28 Feet

Engine Specifications

Engine: John Deere 6068H, 203 hp @ 1,800 rpm
Type: 6-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Tier III diesel
Standard Equipment: Alternator, radiator, muffler and exhaust stack with rain protection
Displacement: 548 cubic inches
Fuel Economy: .347 lb/hp-hr @ 2,000 rpm
.347 lb/hp-hr @ 1,800 rpm
.351 lb/hp-hr @ 1,600 rpm
Safety Shutdowns: High coolant temperature; Low oil pressure

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°F
Maximum Working Pressure: 15 psi
Maximum Suction Lift: 28 feet
Air Handling Capacity: 97 SCFM