



HV Series

High Volume - Dewatering Pump

Specifications

■ FEATURES

1. Multi Vane, semi-open impeller 17-4 PH stainless steel impeller with replaceable wear plate combines superior wear resistance with outstanding reliability.
2. High-efficient, continuous duty air filled, copper wound motor with class H insulation minimizes the cost of operation. The standard water cooling jacket and thermal protection imbedded in the windings, allows for low water level operation for extended periods of time.
3. Double mechanical seal with tungsten carbide faces for increased reliability in applications where solids are present.
4. Double bearing system, utilizing a single upper row ball bearing and twin lower angular contact ball bearings to ensure long seal life.
5. Lightweight, wide-base design allows for increased maneuverability and stability of the pump for those hard-to-get-to environments.
6. Low impeller design provides market leading performance is low



SD100HV

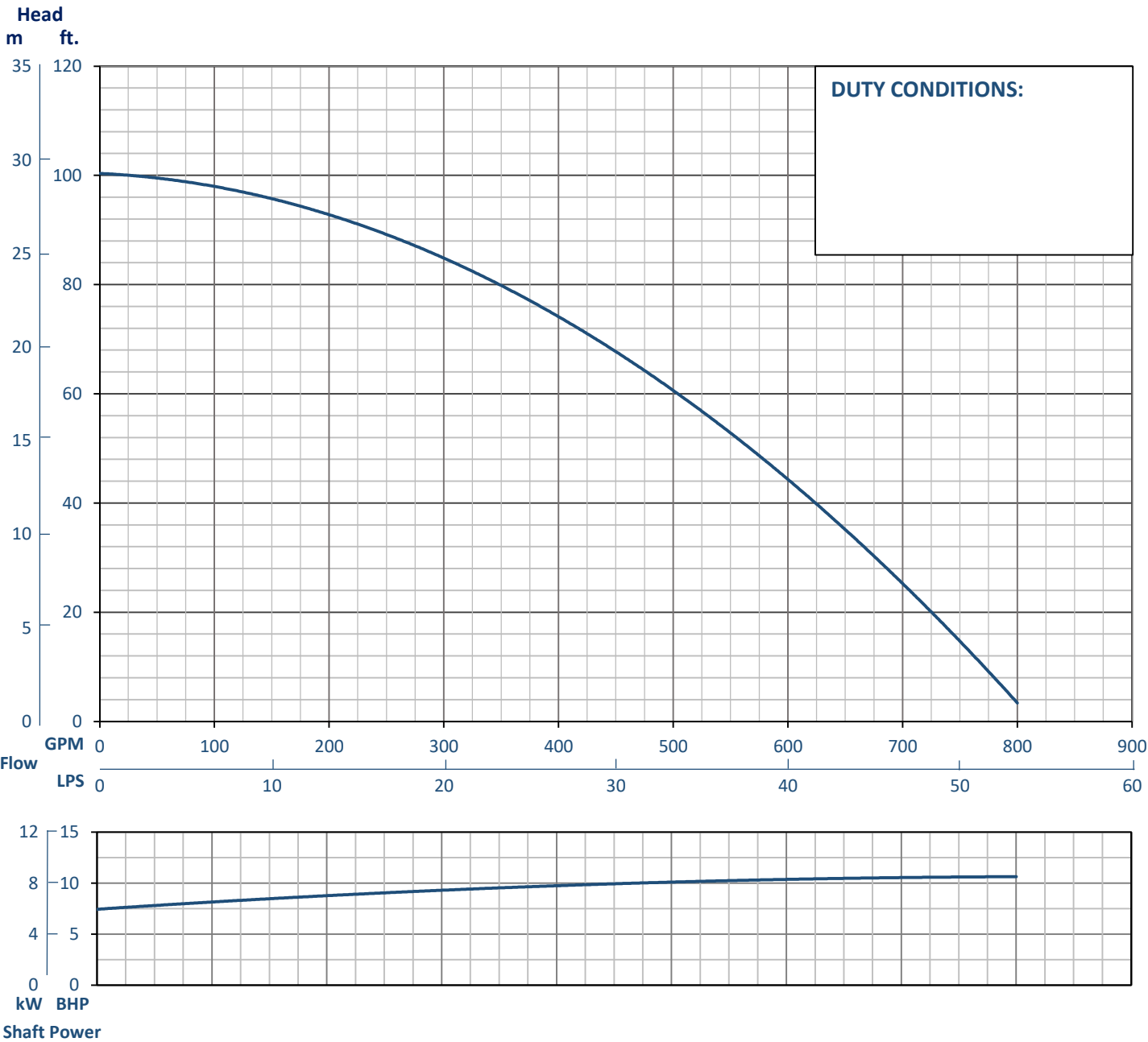
Applications

- Mine, Industrial, and Construction Dewatering
- Raw Water Supply

- Aggregate Feed Water
- Process Water Return

■ SPECIFICATIONS	■ STANDARD	■ OPTIONS
Discharge Size	3", 4", 6" (75mm, 100mm, 150mm) NPT	Victaulic
Horsepower Range	6.0hp to 30.0hp (4.5kW - 22.5kW)	
Performance Range Flow	50GPM - 1600GPM (3.2lps - 101lps)	
Head	Up to 150 feet (107m)	
Maximum Water Temperature	104°F (40°C)	Consult Factory
Materials of Construction		
Casing	High Silicone Aluminum	Stainless Steel, Composite
Impeller	17-4 PH Stainless Steel (45 HRC)	High Chromium
Shaft	400 Series Stainless Steel	
Motor Frame	High Silicone Aluminum	Stainless Steel
Fasteners	304 Stainless Steel	
Upper Mechanical Seal	Tungsten Carbide/ Tungsten Carbide	
Lower Mechanical Seal	Tungsten Carbide/ Tungsten Carbide	
Elastomers	Nitril Rubber	Viton
Impeller Type	Semi-Open Multi Vane	
Strainer	304 Stainless Steel	
Diffusor	Poly lined 17-4 ph. Stainless Steel	Rubber Lined
Upper Bearings	Single Roller Ball Bearing	
Lower Bearings	Twin Angular Contact	
Motor Type, Speed, Hz	Air Filled, 3600RPM , 60Hz	3000RPM, 50Hz
Voltage, Phase	230V/460V , 3 Phase	575V
Insulation	Class H	
Submersible Cable Length	50'	Length as Required

		HV Series			SD100HV - 60	
		Performance Curve				
Model	Discharge	HP	KW	RPM	Solids Dia.	Liquid
SD100HV	4"/100mm	10	7.5	3600	3/8"	Water
Pump Type	Phase	Voltage	Amperage	Hz	Starting Method	Ins. Class
High Volume - Dewatering Pump	3	460/575	14/8.2	60	Star - Delta	H



NOTES: