



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



SD120HV

Applications

- Mine, Industrial, and Construction Dewatering
- Aggregate Feed Water
- Raw Water Supply
- Process Water Return

SPECIFICATIONS

STANDARD

OPTIONS

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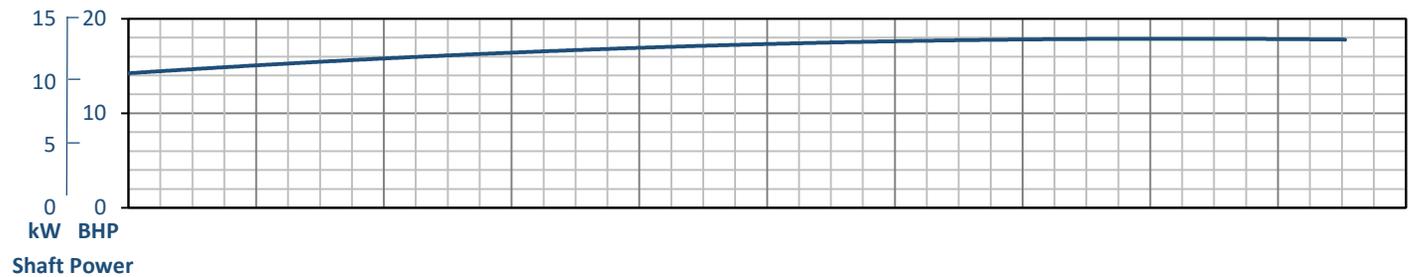
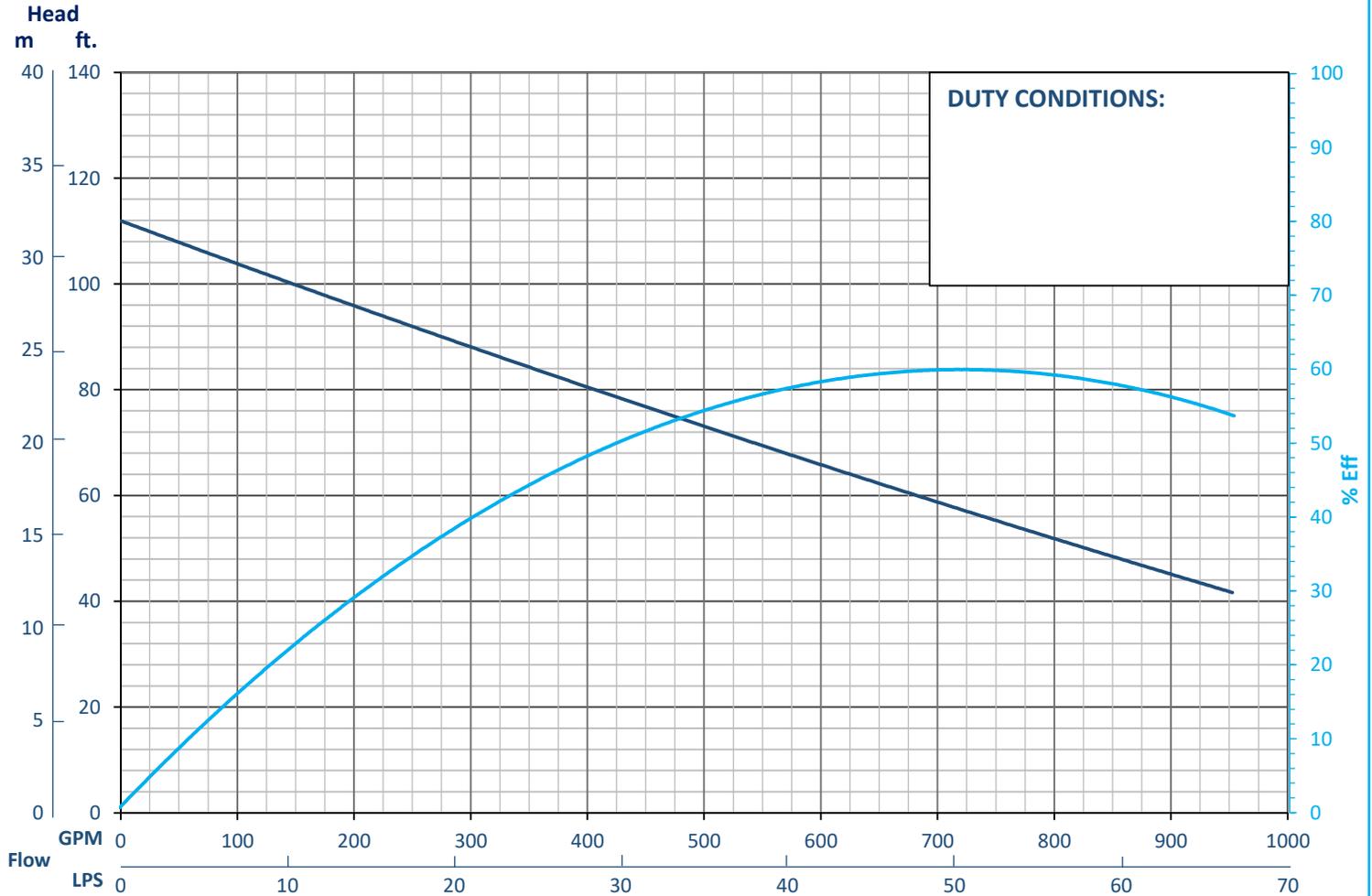


HV Series

SD120HV - 60

Performance Curve

Model	Discharge	HP	KW	RPM	Solids Dia.	Liquid
SD120HV	6"/150mm	13	9.7	3600	3/8"	Water
Pump Type	Phase	Voltage	Amperage	Hz	Starting Method	Ins. Class
High Volume - Dewatering Pump	3	460/575	16/13	60	Star - Delta	H



NOTES: