

Submersible Semi-open Vortex Sewage Pump

Model DVSU, DVSHU



water | wastewater | drainage | effluent | hot water



Model DVSU, DVSHU

Features

- Air filled, heavy duty motor, rated for 20 starts/hour, dissipates heat easily, operates cooler with higher efficiencies; longer service life with lower operating costs
- Built in motor protection autocut protects motor against overheat, out of phase, single phasing, and no load; saves money on costly motor replacement
- Molded cable prevents capillary action, reduces maintenance costs by replacing only the cable rather than the motor
- 60,000 hour bearings ensure long dependable operation; lower maintenance costs
- Large solids handling capabilities prevents clogging
- Semi-open vortex type recessed impeller; vortex action prevents clogging and handles stringy material better, high reliability, and lowers maintenance costs
- Double mechanical seals silicon carbide lower seals, carbon/ceramic upper - hard faced upper and lower seals operate in an oil bath; providing longer service life and lower maintenance costs
- High wire to water efficiencies reduced power consumption, reduced cost of operation
- Available for slide rail installations provides ease of maintenance for small sump type installations

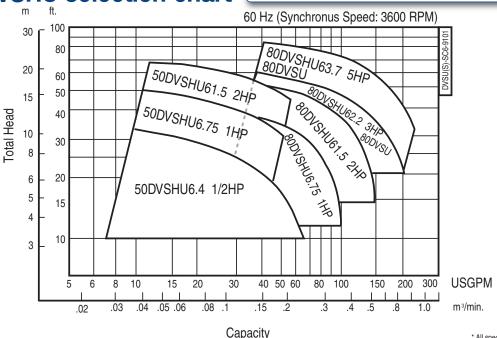
Standard Specifications

		DVSU	DVSHU (Hot Water pumps)
Design	Discharge	3 inch	2, 3 inch
	Horsepower	3 to 5HP	¹/₂ to 5 HP
	Capacity	29 to 240 GPM	5 to 240 GPM
	Total head	20 to 80 feet	10 to 75 feet
	Max.Liquid temp.	122°F/50°C	158°F/70°C - 1/2, 1 HP
			176°F/80°C - 2 to 5 HP 200°F/93°C - <i>limited to 10 minutes</i>
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			200°F/93°C - limited to 10 minutes
Speed		3600 RPM	
Materials	Casing	Cast Iron	
	Impeller	Cast Iron (1/2 to 2 HP)	
	Shaft	403 Stainless Steel	
	Motor Frame	Cast Iron	
	Fastener	304 Stainless Steel	
Construction	Mechanical Seal	Double Mechanical Seal	
	Material – Upper	Carbon/Ceramic	Silicon Carbide/Silicon Carbide
	Material – Lower	Silicon Carbide/Silicon Carbide	Silicon Carbide/Silicon Carbide
	Impeller Type	Recessed Semi-open vortex	(
	Bearing	Prelubricated Ball Bearing	
	Motor	Air-filled, Insulation Insulation Class F	Insulation Class H (1/2, 1, 2 HP)
	Three Phase	208/230V, 460V	Class F (3, 5HP)
	Motor Protection	Built-in Auto Cut - overload out of phase, single phasing protection	Built-in Overload Protection
Submersible Cable		33 ft. standard cable length	, Optional 66 ft.
Accessories		Cast Iron discharge elbow (3 to 5HP)	Cast Iron discharge elbow (3" 1 to 5HP) Cast iron companion flange

Optional QDC System

DVSU, DVSHU selection chart





* All specifications subject to change without notice

with NPT thread (2", 1/2 to 2 HP)

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