

Model CVSU, CVSHU

Submersible Semi-vortex Sewage Pump



water | wastewater | drainage | effluent | hot water

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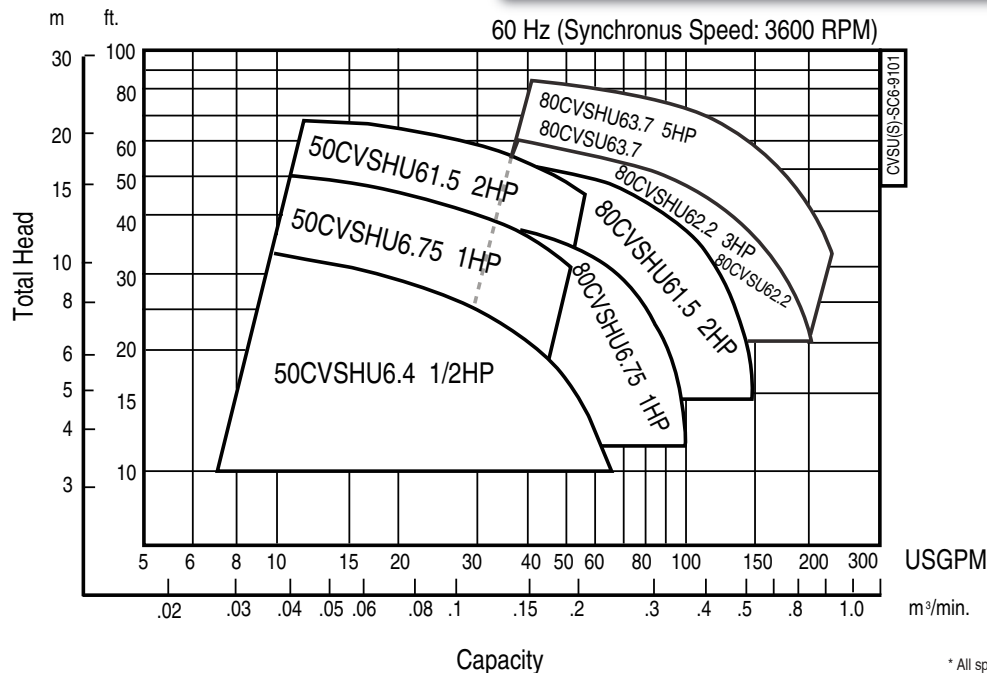
Features

- **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 autotcut** 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

		CVSU	CVSHU (Hot Water pumps)
Design	Discharge	3 inch	2, 3 inch
	Horsepower	3 to 5HP	1/2 to 5HP
	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 5HP 200°F/93°C - limited to 10 minutes
Speed	3600 RPM		
Materials	Casing	Cast Iron	
	Impeller	Cast Iron (1/2 to 2HP)	
	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	
	Three Phase	208/230V, 460V	Insulation Class H (1/2, 1, 2 HP) 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)
		Optional QDC System	

CVSU, CVSHU selection chart



EBARA Fluid Handling

1651 Cedar Line Drive • Rock Hill, SC 29730 • t (803) 327 - 5005 • f (803) 327 - 5097

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