

# Model CVSU, CVSHU

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# Submersible Semi-vortex Sewage Pump

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## Features

- **Air filled, Class F insulated, 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 with autocut**, protects motor against overheating, single phasing, and no load; saves money on costly motor replacement
- **Molded cable prevents capillary action**; reduces maintenance costs
- **60,000 hour bearings**; ensures long, dependable operation and lowers maintenance costs
- **Large solids handling capabilities** prevents clogging
- **Open semi-vortex type recessed impeller**; vortex action prevents clogging and handles stringy material better vs moving pumpage through impeller vanes; provides durability, high reliability, and lowers maintenance costs
- **High quality stainless steel shaft**; provides high tensile strength, corrosion resistance, longer life, and lower 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

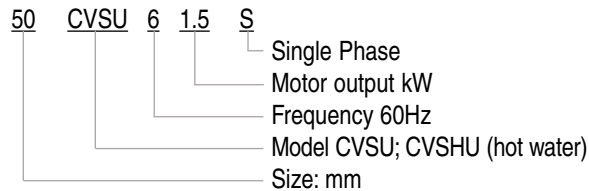
## Specifications

Range	Discharge size Horsepower	2, 3 inch ½ - 5 HP CVSHU (hot water) 3 - 5 HP CVS
Liquid	Maximum water temp.	122°F Model CVSU 158°F Model CVSHU (up to 1HP) 176°F Model CVSHU (2-5HP)
	Maximum spherical solid	1 ¼" - Model 50CVS 1 ¾" - Model 80CVS (up to 2 HP) 2 ¼" - Model 80CVS (3, 5 HP)
Speed		3600 RPM
Materials	Casing	Cast Iron
	Impeller	Cast Iron
	Shaft	403 Stainless Steel
	Mechanical seal	Silicon carbide/Silicon carbide
	Impeller side Motor side Elastomer	Ceramic/Carbide NBR (CVS - water) Viton (CVSHU)
Construction	Seal	Double mechanical seal
	Impeller type	Open, Semi-vortex impeller
	Bearing	Pre-lubricated ball bearing
Motor	Type	Air filled, 2 pole
	Insulation class	F (CVS 3 - 5 HP) H (CVSHU ½ - 2 HP)
	Phase	Three
	Protection	Built-in overload protector - autocut
	Service factor	1.15
Accessories		20 ft - 1 to 2 HP 33 ft - 3 to 5 HP

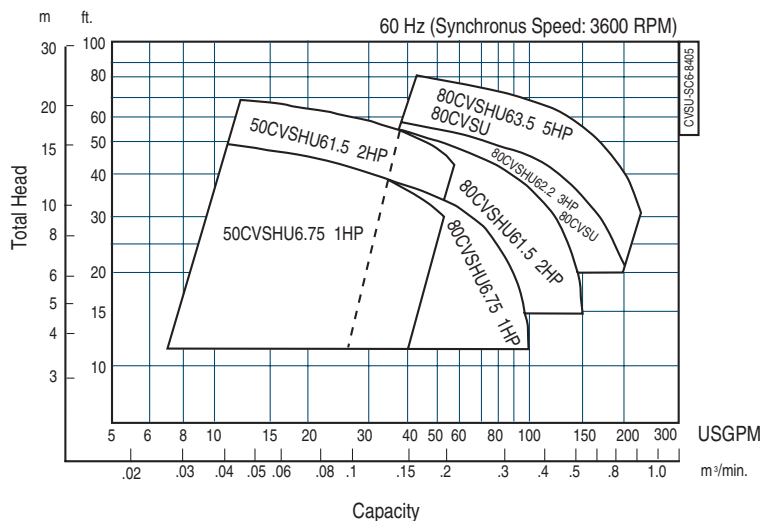
## Applications

- water
- wastewater
- drainage
- effluent
- hot water

## Model number



## CVSU, CVSHU selection chart



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