

Model CVU



PRO Cast

Submersible Vortex Sewage Pump

EBARA International Corporation Standard Pump Division

Submersible Vortex Sewage Pump

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 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
- **Three phase, FM explosion proof, Class 1, Div. 1 Group C & D** available in CVFMU series 2 HP through 5 HP

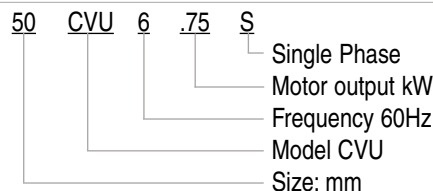
Specifications

Range	Discharge size Horsepower	2, 3, 4 inch 1 - 5 HP Single phase 1 - 2 HP Three phase 2 - 5 HP avail. in FM (CF)
Liquid	Maximum water temp. Maximum spherical solid	104°F 2" - Model 50CV 2½" - Model 80CV (2 HP) 2½" - Model 80CVC (3 HP) 3" - Model 80CV (3, 5 HP) 4" - Model 100 CV
Speed		1800 RPM
Materials	Casing Impeller Shaft	Cast Iron Cast Iron 403 Stainless Steel
Construction	Seal Impeller type Bearing	Double mechanical seal Vortex recessed impeller Pre-lubricated ball bearing
Motor	Type Insulation class Single phase Three phase Protection Service factor	Air filled water tight F 208/230V 208/230V/460V Built-in overload protector -autocut 1.15
Accessories		Submersible cable – 33ft Optional 66 ft cable

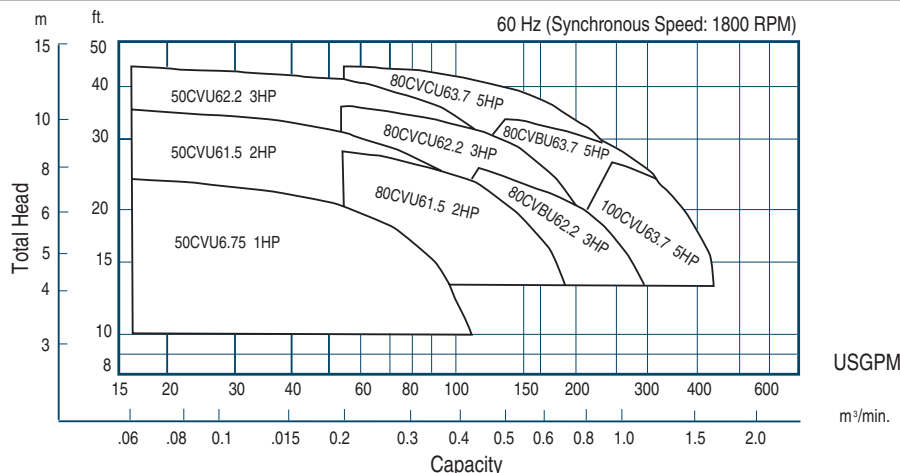
Applications

- water
- wastewater
- drainage

Model number



CVU selection chart



EBARA International Corporation

Standard Pump Division

1651 Cedar Line Drive • Rock Hill, SC 29730 • (t) 803 327 5005 • (f) 803 327 5097 • info@pumpsebara.com • www.pumpsebara.com

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