



Model CVFU

Submersible Vortex Sewage Pump



water | wastewater | sewage | drainage

Model CVFU

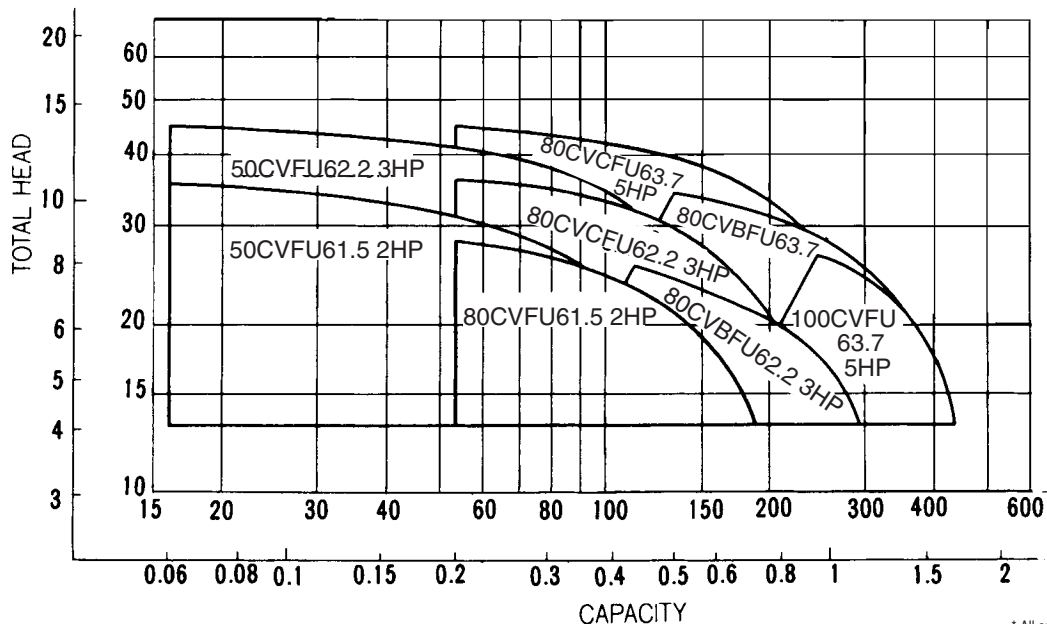
Features

- **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 with autcut**, 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
- **Semi-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 and above

Standard Specifications

Design	Discharge	2, 3, 4 inch
	Horsepower	2 to 5HP, Single Phase
	Capacity	16 to 425 GPM
	Total head	13 to 50 feet
	Max.Liquid temp.	104°F/40°C
Speed		1800 RPM
Materials	Casing	Cast Iron
	Impeller	Cast Iron
	Shaft	403 Stainless Steel
	Motor Frame	Cast Iron
	Fastener	304 Stainless Steel
Construction	Mechanical Seal	Double Mechanical Seal
	Material – Upper	Carbon/Ceramic
	Material – Lower	Silicon Carbide/Silicon Carbide
	Impeller Type	Semi-open Recessed Vortex
	Bearing	Prelubricated Ball Bearing
	Motor	Air-filled, Insulation Class H
	Single Phase	208/230V
	Three Phase	208/230V, 460V
	Service Factor	1.15
	Motor Protection	Built-in Thermal Detector - Klixon Built-in Mechanical Seal Leakage
Submersible Cable		33 ft. standard cable length <i>Optional customer specified</i>
Accessories		Optional QDC System

CVFU selection chart



* All specifications subject to change without notice.



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