

EBARA

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Model CVFU

Submersible Vortex Sewage Pump



water | wastewater | sewage | drainage

Model CVFU

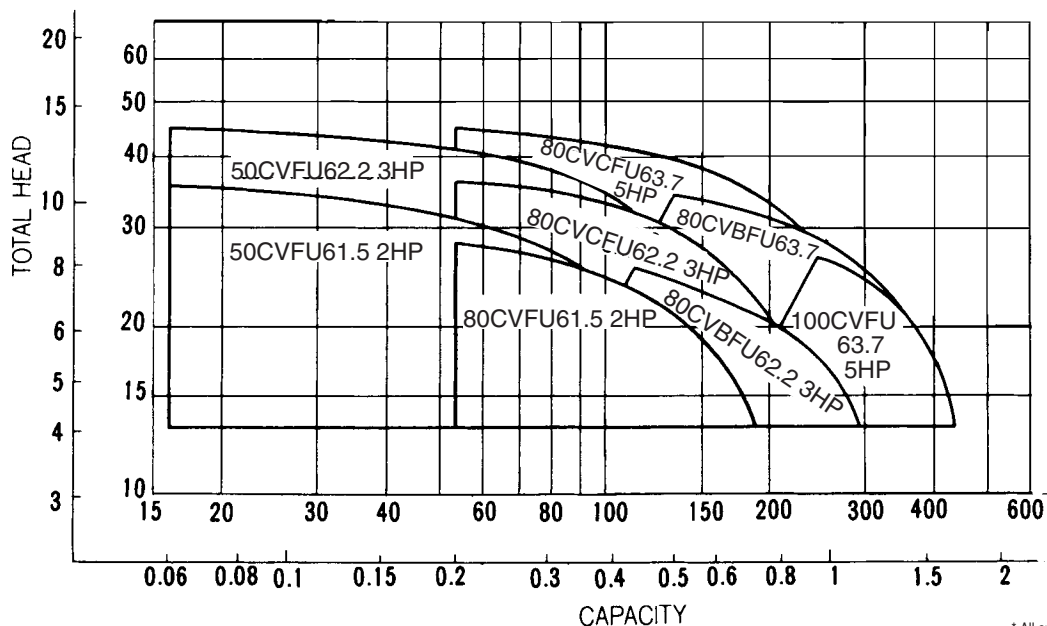
Features

- **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.



EBARA Fluid Handling

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