



EBARA

Submersible Semi-open Vortex Sewage Pump

Model DVSU, DVSHU



water | wastewater | drainage | effluent | hot water



EBARA Pumps Americas Corporation

Model DVSU, DVSHU

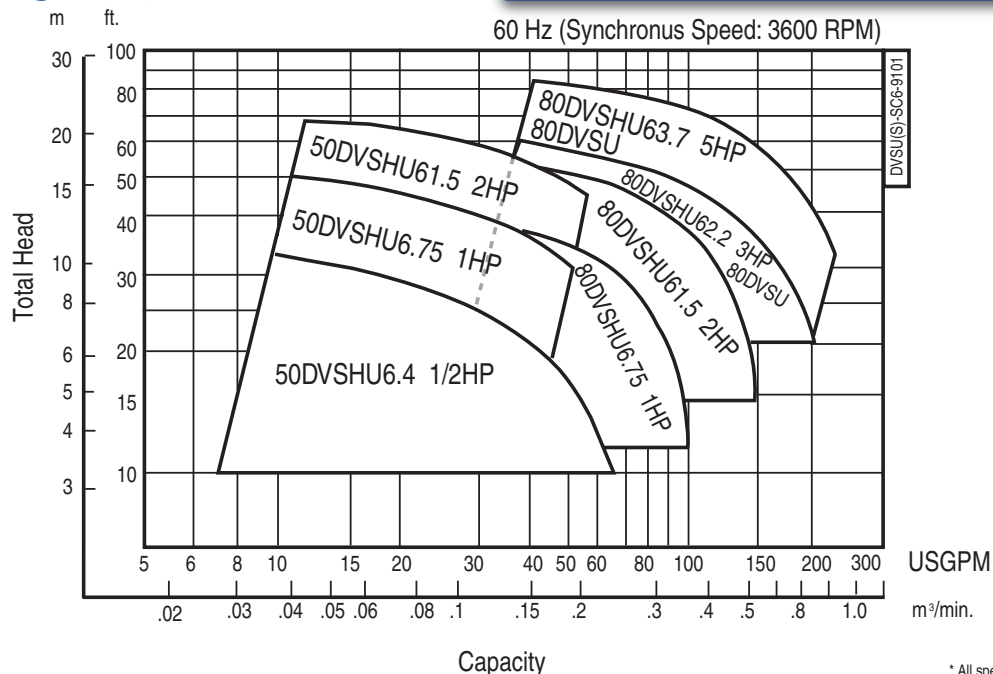
Features

- **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

| | | DVSU | DVSHU (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 | |

DVSU, DVSHU selection chart



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* All specifications subject to change without notice.

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