



EBARA

CF3271WA

SUBMERSIBLE SEAWATER PUMPS

MODEL DVFU



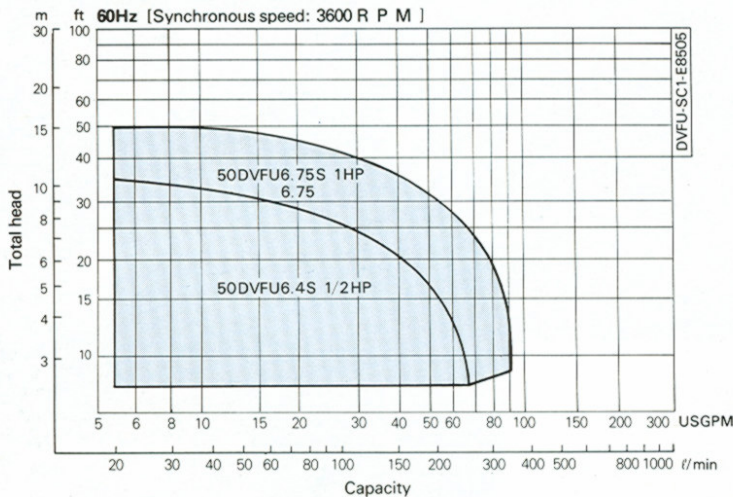
Applications



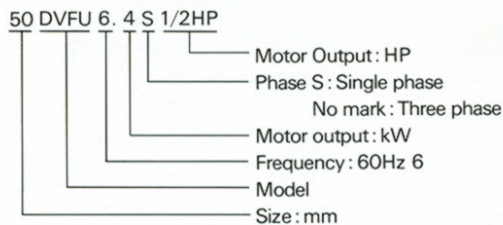
Features

1. A specialized cast iron (ES51: developed by EBARA) used for the casing and impeller provides protection against sea water corrosion and abrasion.
2. Triple resin coating on the motor frame provides protection against sea water corrosion.
3. Because of a unique vortex construction of EBARA's own design, any foreign matter sucked into the pump can be passed by the impeller, to prevent clinging seaweed and clogging by barnacles.
4. The protective device built into the motor prevents motor burn-out caused by overcurrent or abnormal temperature rise of the coil.
5. A mechanical seal of SILICON-CARBIDE used for shaft sealing prevents water leakage into the motor.

Selection Chart



Symbols



The Vortex Pump: See the Difference!

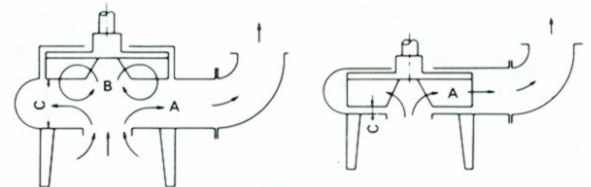
The DVFU model pump has a unique vortex construction of EBARA's own design. This pump is as efficient as a conventional non-clog pump which uses the centrifugal force of eddy "A" (see below) to pump a liquid. As you can see, any foreign matter sucked into the pump must pass by the impeller, which can result in trouble caused by clinging grass and clogged stones.

With the vortex pump, foreign matter is expelled by the force of eddy "B" which is formed in the **wide space** between the impeller and the suction cover ("C").

There is less likelihood of clogging.

EBARA vortex pump

Conventional non-clog pump



Specifications

Range	Size Horse Power	2 inch 1/2, 1 HP
Liquid	Limitation Max. Water temp. Max. Spherical Solid dia.	Seawater, Sump, Effluent 122°F (50°C) 1 1/4 inch
Speed		3600 RPM
Materials	Casing, Impeller Shaft Mech. Seal Impeller side Motor side	Low chromium spheroidal Graphite Cast Iron (ES51) 403 stainless steel Silicon Carbide/Silicon Carbide Ceramic/Carbon
Construction	Impeller Seal	Vortex Double Mechanical Seal
Motor	Type Insulation class Protection Frame	2pole, Air-filled water tight F Built-in overload protector Cast Iron with Triple Epoxy Coating
Accessories		Companion Flange with NPT Thread Submersible Cable 20ft.

*All specifications subject to change without notice
**Not responsible for printing errors.



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