

# Model CSU, CSHU

## Submersible Sump Pump



water | dewatering | drainage | construction



**EBARA** Fluid Handling

*an EBARA International Corporation company*

# Model CSU, CSHU

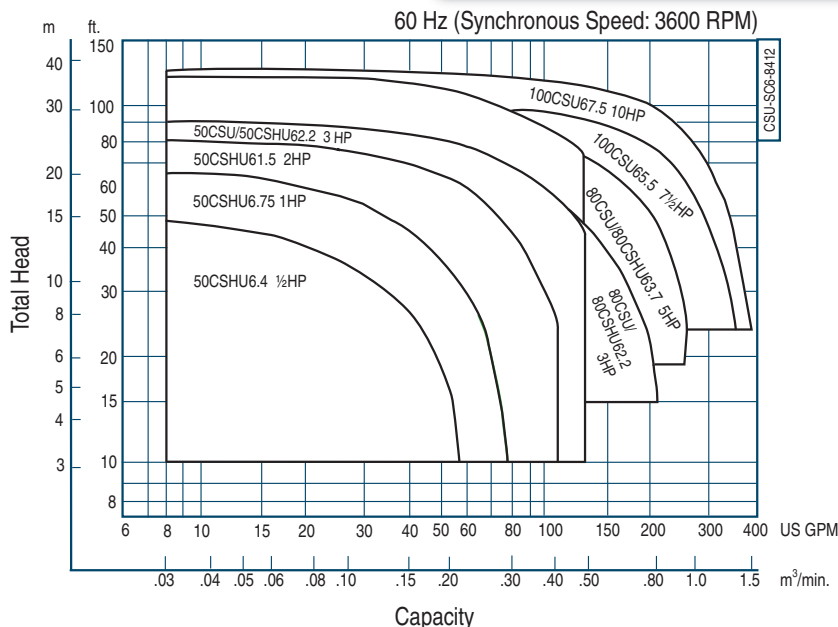
## Features

- **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 autocut** protects motor against overheat, out of phase, single phasing, and no load; saves money on costly motor replacement
- **Molded cable prevents capillary action**, in addition to a positive seal, it protects against moisture entering the motor via capillary action through the cable insulation in the event of cable damage; reduces maintenance costs to replacing only the cable rather than the motor
- **60,000 hour bearings** ensure long dependable operation; lower maintenance costs
- **Semi-open impellers** offer the best design for handling stringy and/or abrasive materials due to the large wear area and open passageways, providing durability and longer life
- **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
- **Small and light weight** portability; easy to transport for temporary installations
- **Available for slide rail installations** provides ease of maintenance for small sump type installations

## Standard Specifications

		CSU	CSHU (Hot Water pumps)
Design	Discharge	2, 3, 4 inch	2, 3 inch
	Horsepower	3 to 10HP	1/2 to 5 HP
	Capacity	8 to 390 GPM	8 to 250 GPM
	Total head	10 to 126 feet	8 to 126 feet
	Max.Liquid temp.	122°F/50°C	158°F/70°C - 1/2, 1 HP 176°F/80°C - 2 to 5 HP 200°F/93°C - limited to 10 minutes
Speed	3600 RPM		
Materials	Casing	Cast Iron	
	Impeller	Ductile Iron	Cast Iron (1/2 to 2HP) Ductile Iron (3, 5HP)
	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	Open	
	Bearing	Pre-lubricated Ball Bearing	
	Motor	Air-filled, Insulation Class F	Class H (1/2, 1 HP) Class F (2, 3, 5HP)
	Three Phase	208/230V/460V	208/230V, 460V - Single voltage
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	Cast iron companion flange with NPT thread (1/2 to 2HP)

## CSU, CSHU selection chart



\* All specifications subject to change without notice.



### EBARA Fluid Handling

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