

Model CGUII, CGFU Submersible Grinder Pump



drainage | small scale sewage transfer systems



EBARA Fluid Handling

an EBARA International Corporation company

Model CGUI, CGFU

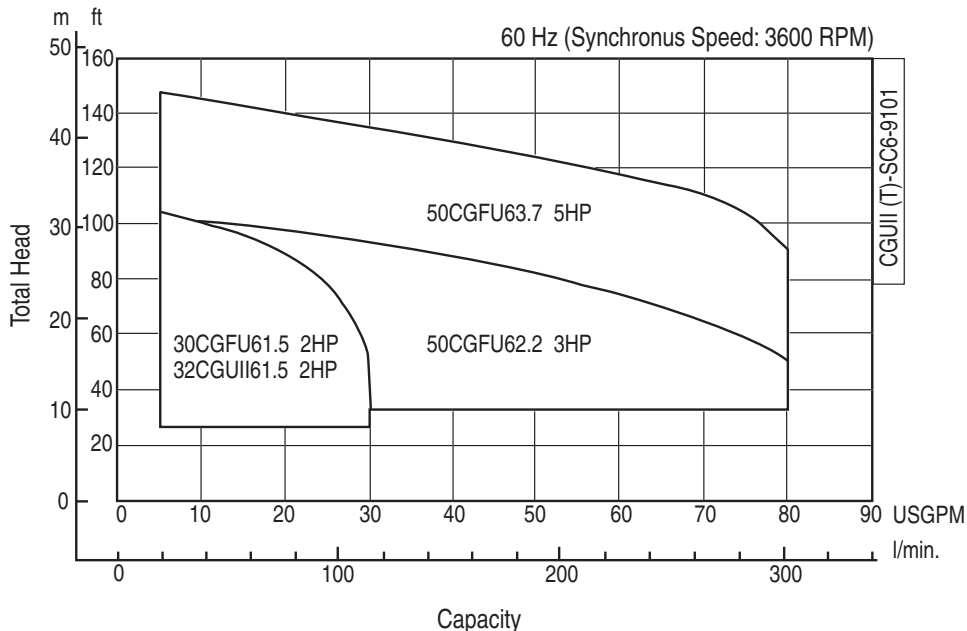
Features

- **Heavy duty high chrome iron grinder system** - powerful blades reduce solids size for smooth, non-clogging flow
- **Reversible grinder ring** provides longer service life and less maintenance
- **Air filled, Class F insulated, 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**; (CGUI models) protects motor against overheating, out-of-phase, single phasing, and no load; (CGFU models) provide overtemp and seal fail protection; saving money on costly motor replacement
- **Sealed cable entry system** prevents capillary action and protects against moisture; reduces maintenance costs
- **60,000 hour bearings** ensures long dependable operation; lower maintenance costs
- **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
- **Double mechanical seals** – upper and lower seals operate in an oil bath; providing longer service life and lower maintenance costs
- **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

		CGUI	CGFU
Design	Discharge	1 1/4 inch	1 1/4, 2 inch
	Horsepower	2HP (<i>single phase</i>)	2 to 5HP
	Capacity	5 to 30 GPM	5 to 80 GPM
	Total head	27 to 112 feet	27 to 148 feet
	Max.Liquid temp.	104°F/40°C	
Speed		3600 RPM	
Materials	Casing	Cast Iron	
	Impeller	Cast Iron	
	Grinder Impeller	High Chrome Cast Iron HRC 60	
	Grinder Disk	High Chrome Cast Iron HRC 60	
	Shaft	403 Stainless Steel	
	Motor Frame	Cast Iron	
Construction	Fastener	304 Stainless Steel	
	Mechanical Seal	Double Mechanical Seal	
	Material – Upper	Carbon/Ceramic	
	Material – Lower	Silicon Carbide/Silicon Carbide	Silicon
	Impeller Type	Vortex	
	Bearing		
	Upper/Lower	Prelubricated Ball Bearing	
	Motor	Air-filled, Insulation Class F	Insulation Class F
			Optional: FM Explosion Proof Class 1, Division 1, Group C, D
		Single Phase	208/230V
	Three Phase		208/230V/460V
	Motor Protection	Built-in Auto Cut - overload no load, out of phase, and single phasing protection	Built-in Thermal Detector - Klaxon Built-in Mechanical Seal Leakage
Submersible Cable		33 ft. standard cable length, Optional 66 ft.	
Accessories		Optional QDC System	

CGUI, CGFU selection chart



* All specifications subject to change without notice.



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