

Model CGUII, CGFU

Submersible Grinder Pump



drainage | small scale sewage transfer systems

EBARA

Model CGUI, CGFU

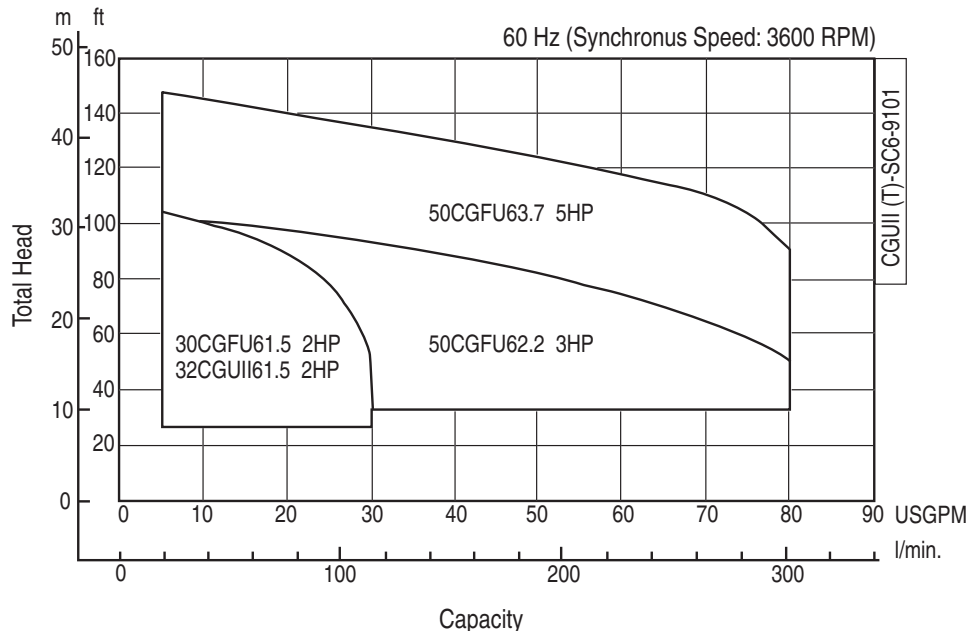
Features

- **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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