

# Submersible Grinder Pump

Model DGUII, DGFU



drainage | small scale sewage transfer systems



**EBARA** Pumps Americas Corporation

# Model DGUI, DGFU

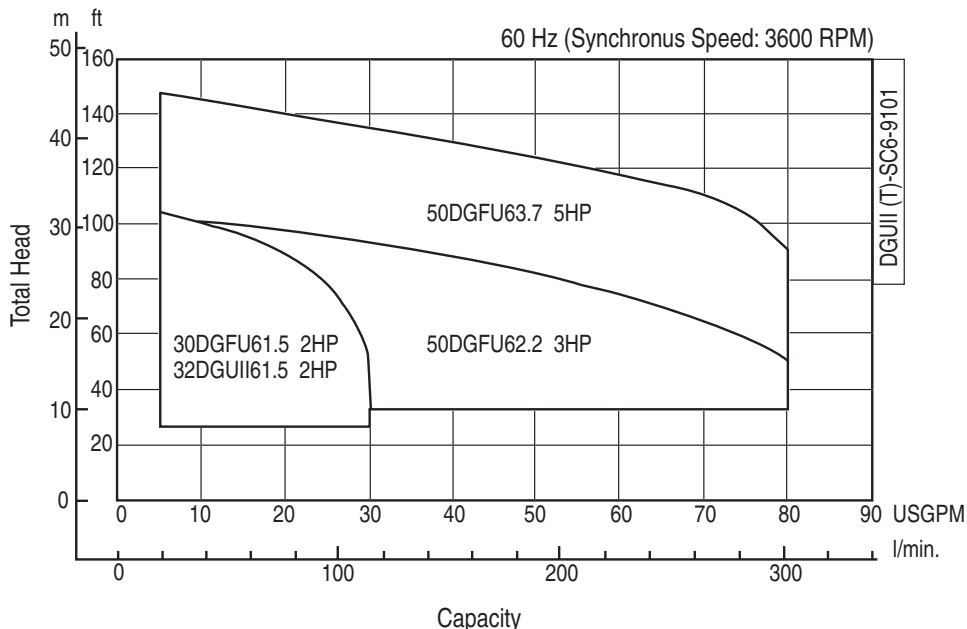
## Features

- **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**; (DGUI models) protects motor against overheating, out-of-phase, single phasing, and no load; (DGFU 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

		DGUI	DGFU
<b>Design</b>	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	
<b>Speed</b>		3600 RPM	
<b>Materials</b>	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	
<b>Construction</b>	Fastener	304 Stainless Steel	
	<b>Mechanical Seal</b>	Double Mechanical Seal	
	Material – Upper	Carbon/Ceramic	
	Material – Lower	Silicon Carbide/Silicon Carbide	Silicon
	Impeller Type	Vortex	
	Bearing	Prelubricated Ball Bearing	
	Upper/Lower	Air-filled, Insulation Class F	
	Motor	208/230V	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	
<b>Submersible Cable</b>	33 ft. standard cable length, Optional 66 ft.		
<b>Accessories</b>	Optional QDC System		

## DGUI, DGFU selection chart



\* All specifications subject to change without notice.



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