

Submersible Grinder Pump

Model DGUII, DGFU



drainage | small scale sewage transfer systems

Model DGUI, DGFU

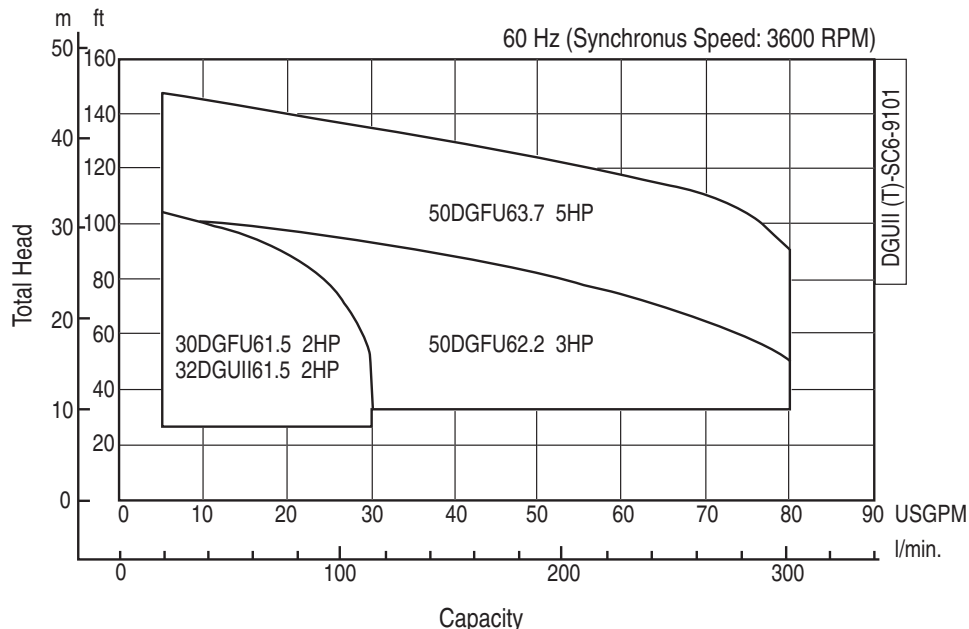
Features

- **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
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	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	
Submersible Cable	33 ft. standard cable length, Optional 66 ft.		
Accessories	Optional QDC System		

DGUI, DGFU selection chart



* All specifications subject to change without notice.



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