

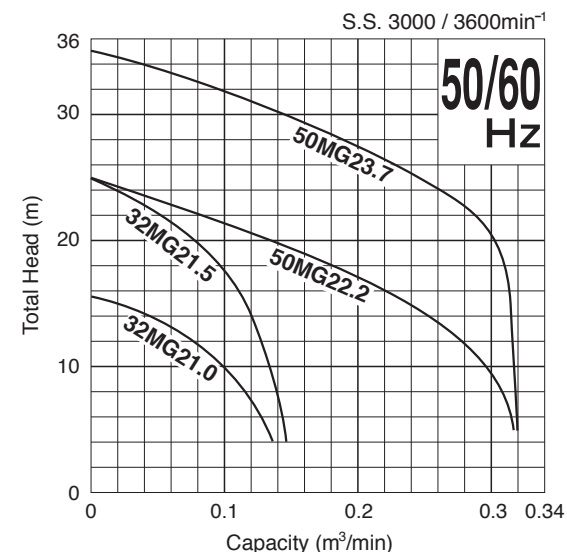
MG

The MG-series has a grinding mechanism in its suction port, and it cuts incoming solid into small pieces. This enables the pump to transfer sewage via a small diameter pipe without the fear of clogging.



- Applications
- Transferring sewage from residence in pressurized sewerage system
 - Draining wastewater at exhibition site or campsite, etc

■ Performance Curves



■ Major Standard Specifications

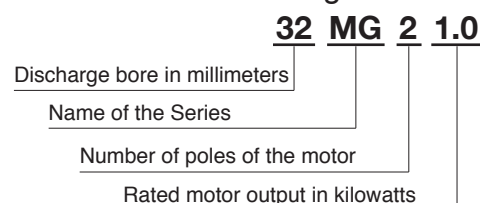
Discharge Bore		mm	32	50
Pumping Fluid	Type of Fluid	Waste water, and Liquid carrying Waste and Solid Matters		
	Fluid Temperature	0 to 40°C		
Pump	Structure	Impeller	Vortex Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Grinder	Chromium Iron Casting (Stationary and Rotating Cutter)	
		Casing	Gray Iron Casting	
Shaft Seal	SiC			
Motor	Type, Pole	Dry Type Submersible Induction Motor 2-pole		
	Class of Insulation	Class F		
	Phase	Three-phase		
	Starting Method	Direct on Line		
	Protection Device (built-in)	Circle Thermal Protector		
	Lubricant	Turbine Oil (ISO VG32)		
	Materials	Frame	Gray Iron Casting	
		Shaft	420 Stainless Steel	
Cable		PVC		
Discharge Connection		Screwed Flange (1.5kW and below) JIS 10K Flange (2.2kW and above)		

■ Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Dry Weight * kgs		Cabtyre Cable						
	Free Standing	Guide Rail Fitting				Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
32	32MG21.0	TOS32MG21.0	1.0	D.O.L.	3000/3600	36	35		1	4 × 1.25	11.1	4 × 1.25		
32	32MG21.5	TOS32MG21.5	1.5	D.O.L.	3000/3600	34	33	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC
50	50MG22.2	TOS50MG22.2	2.2	D.O.L.	3000/3600	54	52	1	4 × 2.0	11.8	4 × 2.0	11.8	6	PVC
50	50MG23.7	TOS50MG23.7	3.7	D.O.L.	3000/3600	55	53	1	4 × 3.5	13.9	4 × 3.5	13.9	6	PVC

* Dry weight
All weights excluding cable
Weights of guide rail fitting excluding duckfoot bend

■ Model Number Designation



■ Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)
- Screwed Flange
- -1.5kW and below
- JIS 10kg/cm² Flange (with Packing, Bolts & Nuts)
- -2.2kW and above

Guide Rail Fitting - TOS

- Lifting Chain 5m, (with Shackles)
- Guide Support (with Bolts & Nuts)
- Guide Hook (with Bolts)
- Duckfoot Bend
- Guide Connector (with Bolts)
- JIS 10kg/cm² Flange (with Packing, Bolts & Nuts)
- Foundation Bolts (with Nuts)