

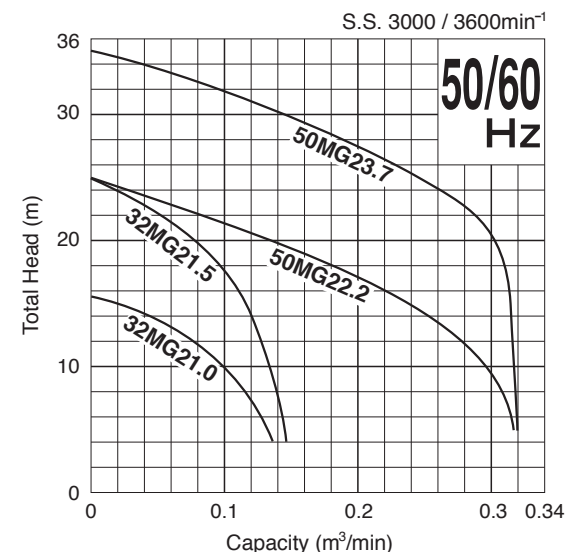
MG

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

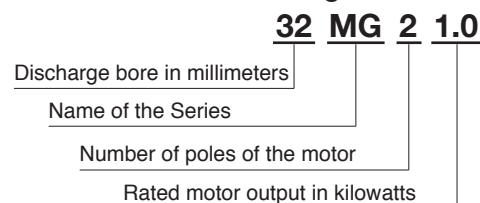
| | | | | |
|----------------------|------------------------------|--|--|----|
| Discharge Bore | | mm | 32 | 50 |
| Pumping Fluid | Type of Fluid | Waste water, and Liquid carrying Waste and Solid Matters | | |
| | Fluid Temperature | 0 to 40°C | | |
| Pump | Structure | Impeller | Vortex Impeller | |
| | | 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 |
| | | | | | | | | | Cores × mm ² | Outer Dia. mm | Cores × mm ² | Outer Dia. mm | | |
| 32 | 32MG21.0 | TOS32MG21.0 | 1.0 | D.O.L. | 3000/3600 | 36 | 35 | 1 | 4 × 1.25 | 11.1 | 4 × 1.25 | 11.1 | 6 | PVC |
| 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)