



# GF

SUBMERSIBLE  
GRINDER PUMPS

50Hz

make future flow

# FEATURES

- The GF grinder pump grinds solid household wastes into fine particles using a durable SUS440C radial cutter and cutter ring.
- The corrosion-resistant radial cutter and cutter ring, with a hardness of 55~60 Rockwell C., works seamlessly with a non-clog vortex impeller to transport wastewater efficiently.
- The 2" (50mm) discharge (50GF) models feature triangular handles for easy installation and maintenance. The guide rail system enhances maintenance safety and minimizes the need for well and tank entries.



## PRODUCT NOMENCLATURE

| 32              | GF   | 2    | 1.5 | H         |
|-----------------|------|------|-----|-----------|
| Discharge<br>mm | Type | Pole | kW  | High Head |



## SPECIFICATIONS

| Spec.         | Description              |
|---------------|--------------------------|
| Liquid Temp.  | 0~40°C (32~104°F)        |
| Motor         | 2P (3000rpm) • Dry Motor |
| Insulation    | Class F • Class H        |
| Protection    | IP68                     |
| Protector     | Auto-cut                 |
| M.seal Type   | Double M.seals           |
| Impeller Type | Vortex                   |
| Item          | Material                 |
| Upper Cover   | FC200 / GG-20            |
| Motor Frame   | FC200 / GG-20            |
| Shaft         | SUS403 / X5Cr13          |
| M.seal        | CA/CE & SiC/SiC          |
| Casing        | FC200 / GG-20            |
| Impeller      | FC200 / GG-20            |
| Radial Cutter | SUS440C / X105CrMo17     |
| Cutter Ring   | SUS440C / X105CrMo17     |
| Cable         | VCT or H07RN-F           |

## APPLICATIONS

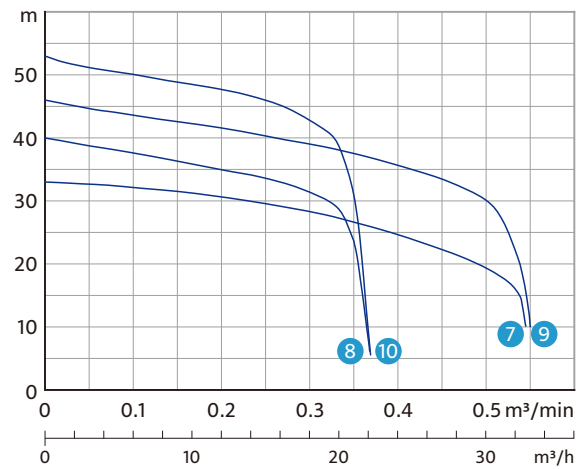
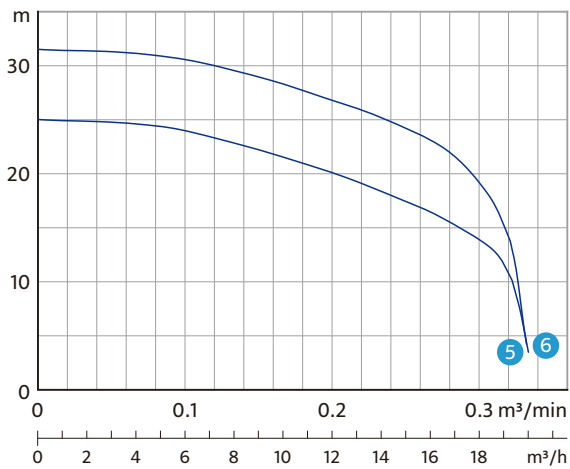
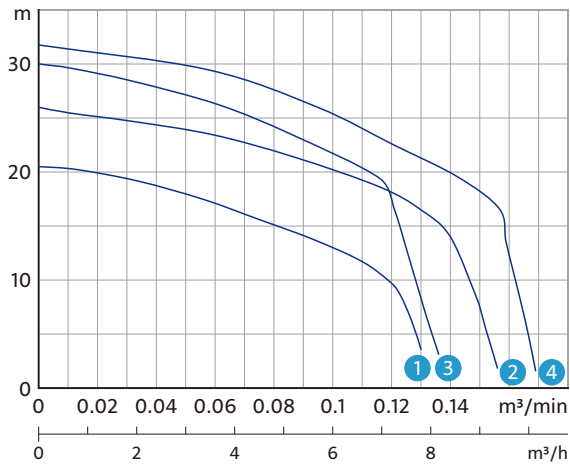
- Residential wastewater drainage for homes and apartments
- Wastewater drainage for commercial buildings such as hotels and office buildings
- Industrial wastewater drainage

## EXTREME GRINDING ABILITY



 The pictures are for reference only.  
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.

## PERFORMANCE CURVES AND SPECS



| Model       | Output HP(kW) | Discharge Inch(mm) | Phase Ø | Start Method | Standard | Max.      | Casing Type | Weight kg |    |
|-------------|---------------|--------------------|---------|--------------|----------|-----------|-------------|-----------|----|
|             |               |                    |         |              | m-m³/min |           |             | 1Ø        | 3Ø |
| ① 32GF21.0  | 1.3(1.0)      | 1¼" (32)           | 1       | Capacitor    | 17-0.06  | 20.5-0.13 | V           | 27        | 25 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ② 32GF21.5  | 2(1.5)        | 1¼" (32)           | 1       | Capacitor    | 23-0.06  | 26-0.15   | V           | 36        | 32 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ③ 32GF21.5H | 2(1.5)        | 1¼" (32)           | 1       | Capacitor    | 26-0.06  | 30-0.14   | V           | 36        | 32 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ④ 32GF22.2  | 3(2.2)        | 1¼" (32)           | 1       | Capacitor    | 29-0.06  | 32-0.165  | V           | 38        | 36 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ② 40GF21.5  | 2(1.5)        | 1½" (40)           | 1       | Capacitor    | 23-0.06  | 26-0.15   | H           | 36        | 32 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ③ 40GF21.5H | 2(1.5)        | 1½" (40)           | 1       | Capacitor    | 26-0.06  | 30-0.14   | H           | 36        | 32 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ④ 40GF22.2  | 3(2.2)        | 1½" (40)           | 1       | Capacitor    | 29-0.06  | 32-0.165  | H           | 38        | 36 |
|             |               |                    | 3       | DOL          |          |           |             |           |    |
| ⑤ 50GF22.2  | 3(2.2)        | 2"(50)             | 3       | DOL          | 20-0.2   | 25-0.33   | H           | -         | 44 |
| ⑥ 50GF23.7  | 5(3.7)        | 2"(50)             | 3       | DOL          | 27-0.2   | 31.5-0.33 | H           | -         | 47 |
| ⑦ 50GF25.5  | 7.5(5.5)      | 2"(50)             | 3       | DOL          | 24-0.4   | 33-0.55   | H           | -         | 73 |
| ⑧ 50GF25.5H | 7.5(5.5)      | 2"(50)             | 3       | DOL          | 33-0.25  | 40-0.37   | H           | -         | 74 |
| ⑨ 50GF27.5  | 10(7.5)       | 2"(50)             | 3       | DOL          | 35-0.4   | 46-0.55   | H           | -         | 80 |
| ⑩ 50GF27.5H | 10(7.5)       | 2"(50)             | 3       | DOL          | 46-0.25  | 53-0.37   | H           | -         | 73 |

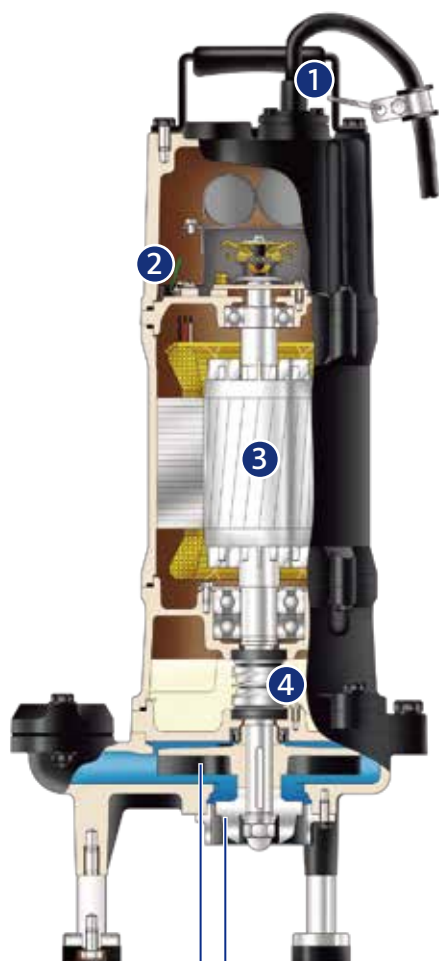
※ Excludes Cable & Elbow Weight.

※ Casing type : V stands for Vertical and H for Horizontal.

※ Start Method : Y-D = STAR-DELTA



## PRODUCT FEATURES



### 1 Epoxy Cable Base

An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.



### 2 Auto-cut Protector

Automatic On / Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



### 3 High Efficiency Dry Motors

All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.



### 4 Double Mechanical Seals

Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.



**Vortex Impeller**



**Radial Cutter & Cutter Ring**



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YouTube



**Selection  
system**



**Catalog**