

GF 50Hz
SERIES

SUBMERSIBLE GRINDER PUMPS



32GF21.0

32GF21.5(H) / 22.2

50GF22.2 / 23.7

50GF25.5(H) / 27.5(H)

32GF21.5(H) P
32GF22.2 P

*P Type = DN40

GF

FEATURES

- Standard accessories include: cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and oil seal design.
- Vortex impeller design prevents clogging.
- Radial cutter and cutter ring SUS440C : corrosion resistant material, hardened to 55~60 Rockwell C.
- 50GF model Triangular handle design for easy handling on Guide Rail System.
- 1Ø Centrifugal Switch and capacitor motor design provides 5 times higher torque than average capacitor starting.

APPLICATIONS

- Used in pressure sewage system.
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, motels, hotels.
- Transferring wastewater of commercial building, industrial plants.

SPECIFICATIONS

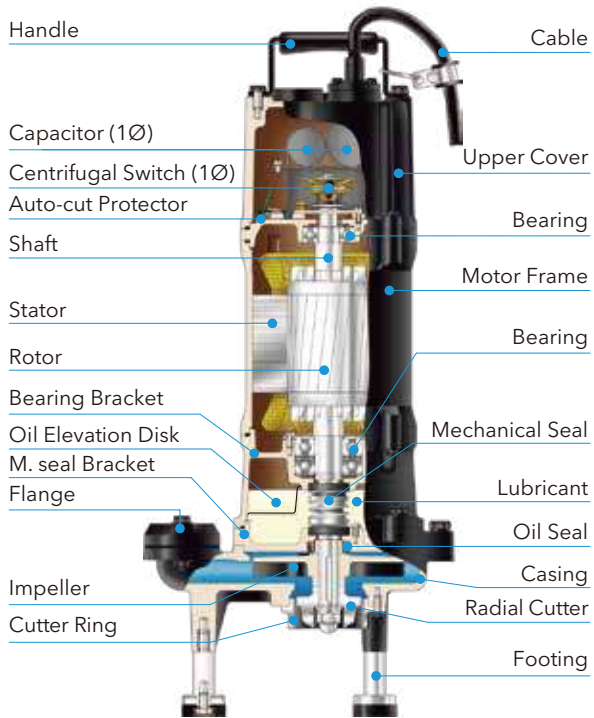
| | Item | Description |
|---------------|---|--|
| Limits of Use | Liquid Temp. | 0~40°C (32~104°F) |
| | Applications | Residential Wastewater · Sewage |
| Type | Frequency | 50Hz |
| | Motor | 2P (3000rpm) · Dry Motor |
| | Insulation | Class F (1.3HP~5HP) · Class H (7.5~10HP) |
| | Protection | IP68 |
| | Protector | Auto-cut |
| | Bearing | Ball type |
| | M.seal | Double M.seals |
| | Impeller | Vortex |
| 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 |
| Optional | Pumps can be customized to fit specifications S Type (DN40) Casing Floating Switch (32GF21.0/21.5/21.5H/22.2) | |



Extreme Grinding Ability.



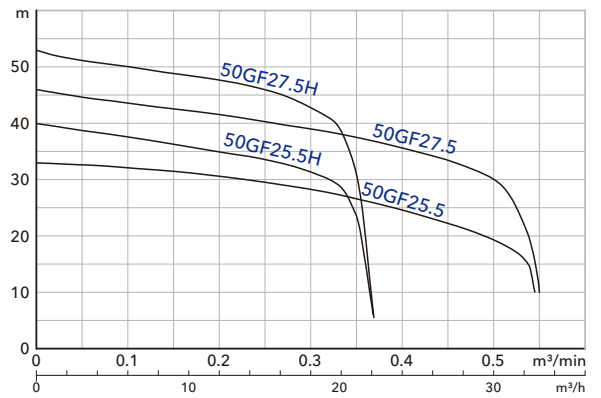
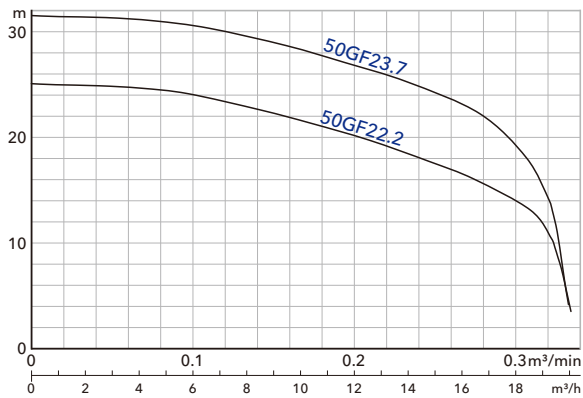
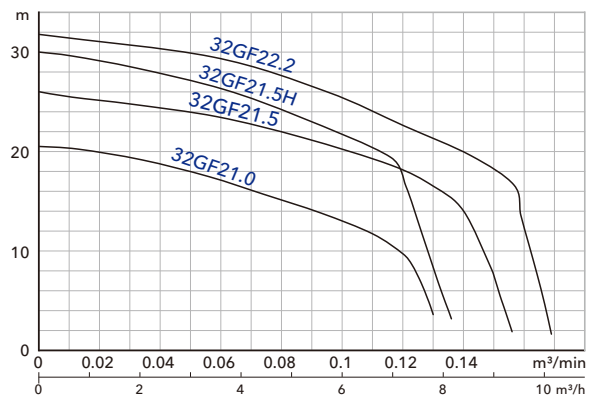
The pictures are for reference only.
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.



PRODUCT NOMENCLATURE

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

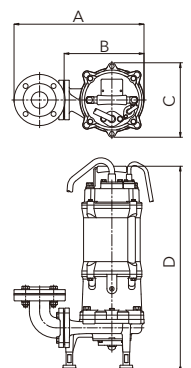
PERFORMANCE CURVES

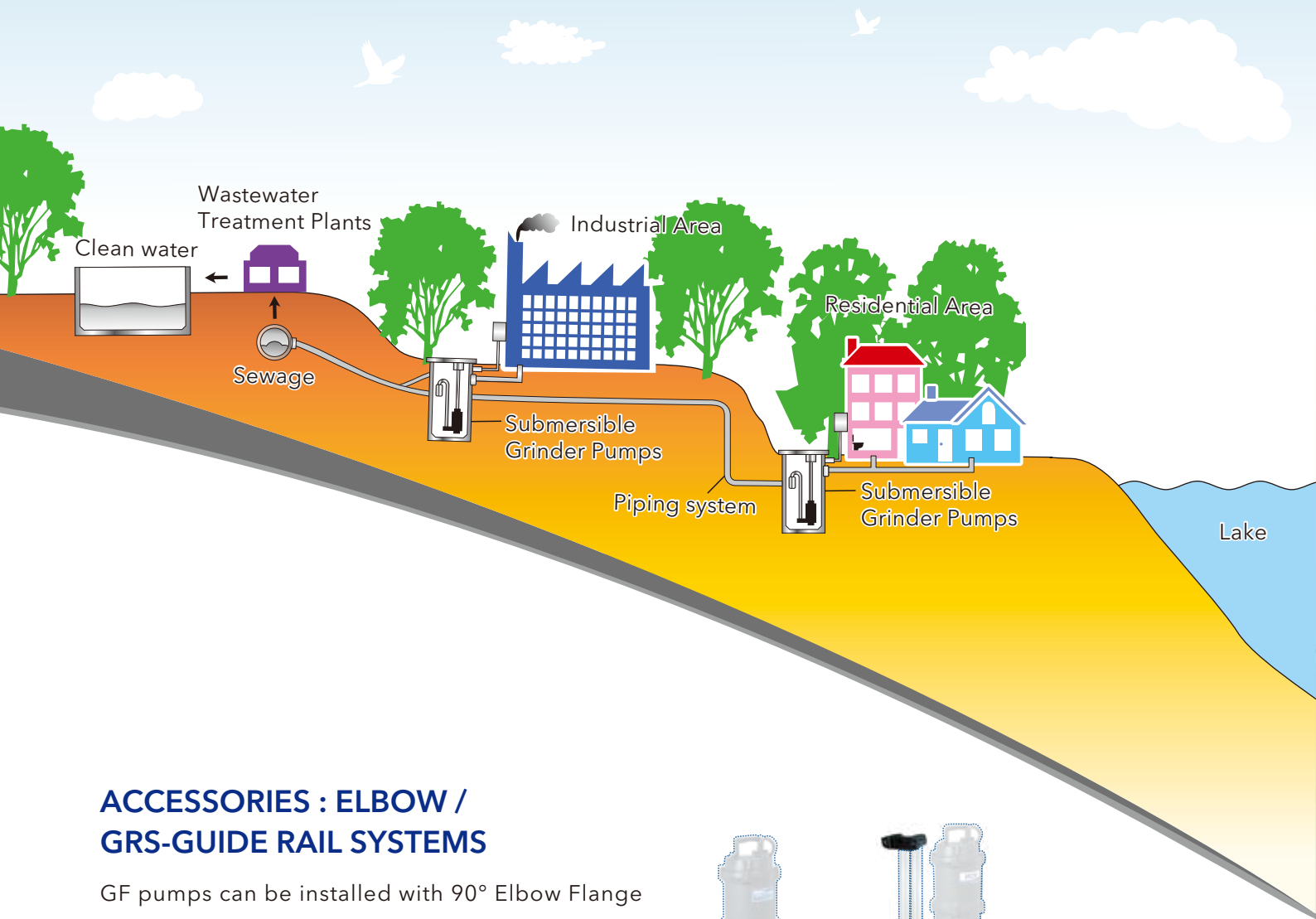


PERFORMANCE SPECS.

※ Note : Weight Without Cable & Elbow Set.

| Model | Output HP(kW) | Discharge Inch(mm) | Phase Ø | Start Method | Head m | Standard | | Weight kg | | Dimensions mm | | | | |
|-----------|---------------|--------------------|---------|--------------|--------|----------|------|-----------|----|---------------|-----|-----|------|-----|
| | | | | | | m³/min | m³/h | 1Ø | 3Ø | A | B | C | 1Ø D | 3Ø |
| 32GF21.0 | 1.3(1.0) | 11/4"(32) | 1 | Capacitor | 17 | 0.06 | 3.6 | 27 | 25 | 249 | - | 177 | 555 | 530 |
| 32GF21.5 | 2(1.5) | 11/4"(32) | 1 | Capacitor | 23 | 0.06 | 3.6 | 36 | 32 | 285 | - | 203 | 596 | 541 |
| | | | 3 | DOL | | | | | | | | | | |
| 32GF21.5H | 2(1.5) | 11/4"(32) | 1 | Capacitor | 26 | 0.06 | 3.6 | 36 | 32 | 285 | - | 203 | 596 | 541 |
| | | | 3 | DOL | | | | | | | | | | |
| 32GF22.2 | 3(2.2) | 11/4"(32) | 1 | Capacitor | 29 | 0.06 | 3.6 | 38 | 36 | 285 | - | 203 | 623 | 541 |
| | | | 3 | DOL | | | | | | | | | | |
| 50GF22.2 | 3(2.2) | 2"(50) | 3 | DOL | 20 | 0.2 | 12 | - | 44 | 395 | 243 | 226 | - | 606 |
| 50GF23.7 | 5(3.7) | 2"(50) | 3 | DOL | 27 | 0.2 | 12 | - | 47 | 395 | 243 | 226 | - | 626 |
| 50GF25.5 | 7.5(5.5) | 2"(50) | 3 | DOL | 24 | 0.4 | 24 | - | 73 | 447 | 295 | 279 | - | 711 |
| 50GF25.5H | 7.5(5.5) | 2"(50) | 3 | DOL | 33 | 0.25 | 15 | - | 74 | 462 | 310 | 279 | - | 711 |
| 50GF27.5 | 10(7.5) | 2"(50) | 3 | DOL | 35 | 0.4 | 24 | - | 80 | 462 | 310 | 279 | - | 711 |
| 50GF27.5H | 10(7.5) | 2"(50) | 3 | DOL | 46 | 0.25 | 15 | - | 73 | 462 | 310 | 279 | - | 711 |






ACCESSORIES : ELBOW / GRS-GUIDE RAIL SYSTEMS

GF pumps can be installed with 90° Elbow Flange outlet or GRS guide rail system, to have easier / safer installation or removal during replacement and maintenance.




PRODUCT FEATURES




Epoxy Cable Base

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




Double Mechanical Seals

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



Auto-cut Protector

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



High Efficiency Dry Motor

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



Professionalism · Innovation · Service · Commitment
HCP PUMP MANUFACTURER CO., LTD.
www.hcppump.com



Distributor: