

**GF** **50Hz**  
SERIES

SUBMERSIBLE GRINDER PUMPS



# 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

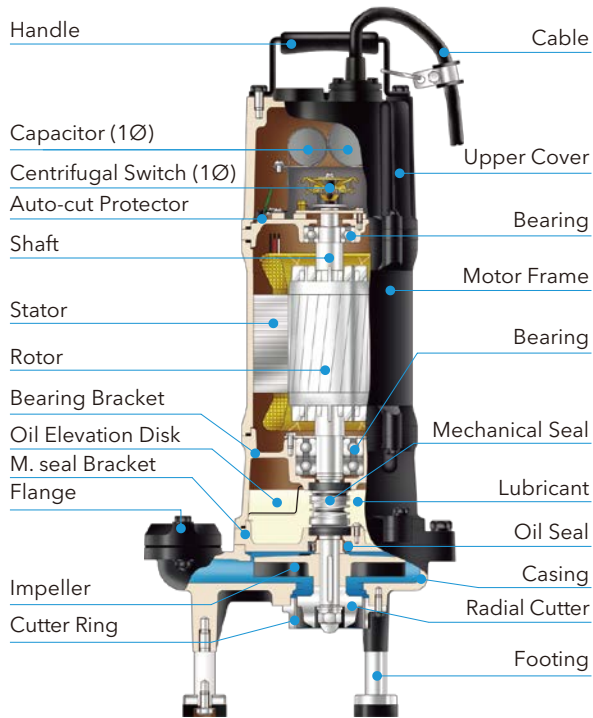
	Item	Description
Limits of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Residential Wastewater • Sewage
Type	Frequency	50Hz
	Motor	2P (3000rpm) • Dry Motor
	Insulation	Class F (1.3HP~5HP) • Class H (7.5~10HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Radial Cutter	SUS440C
	Cutter Ring	SUS440C
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		Pumps can be customized to fit specifications DN40 Casing Floating Switch (32GF21.0/21.5H/22.2)



## Extreme Grinding Ability.



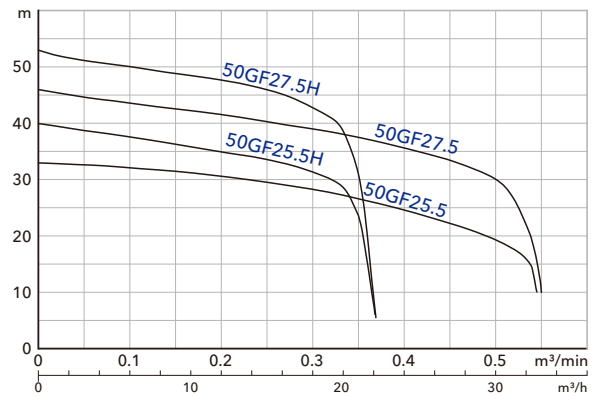
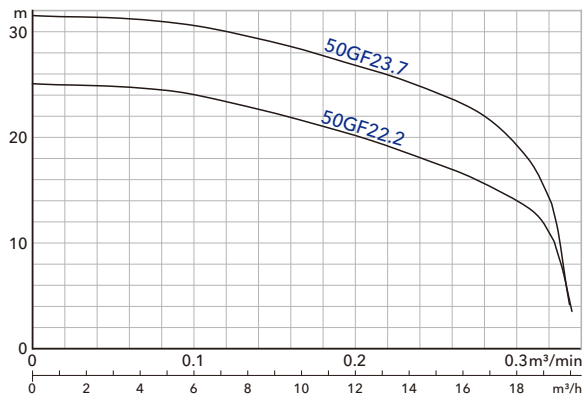
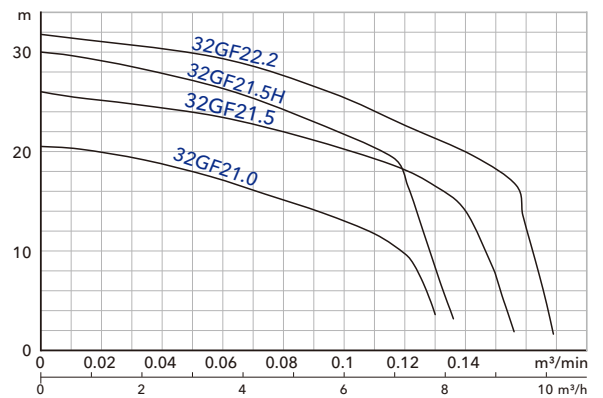
The pictures are for reference only.  
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.



## PRODUCT NOMENCLATURE

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

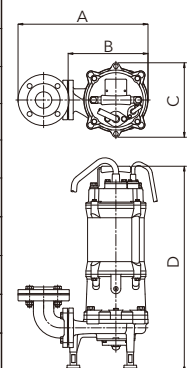
## PERFORMANCE CURVES

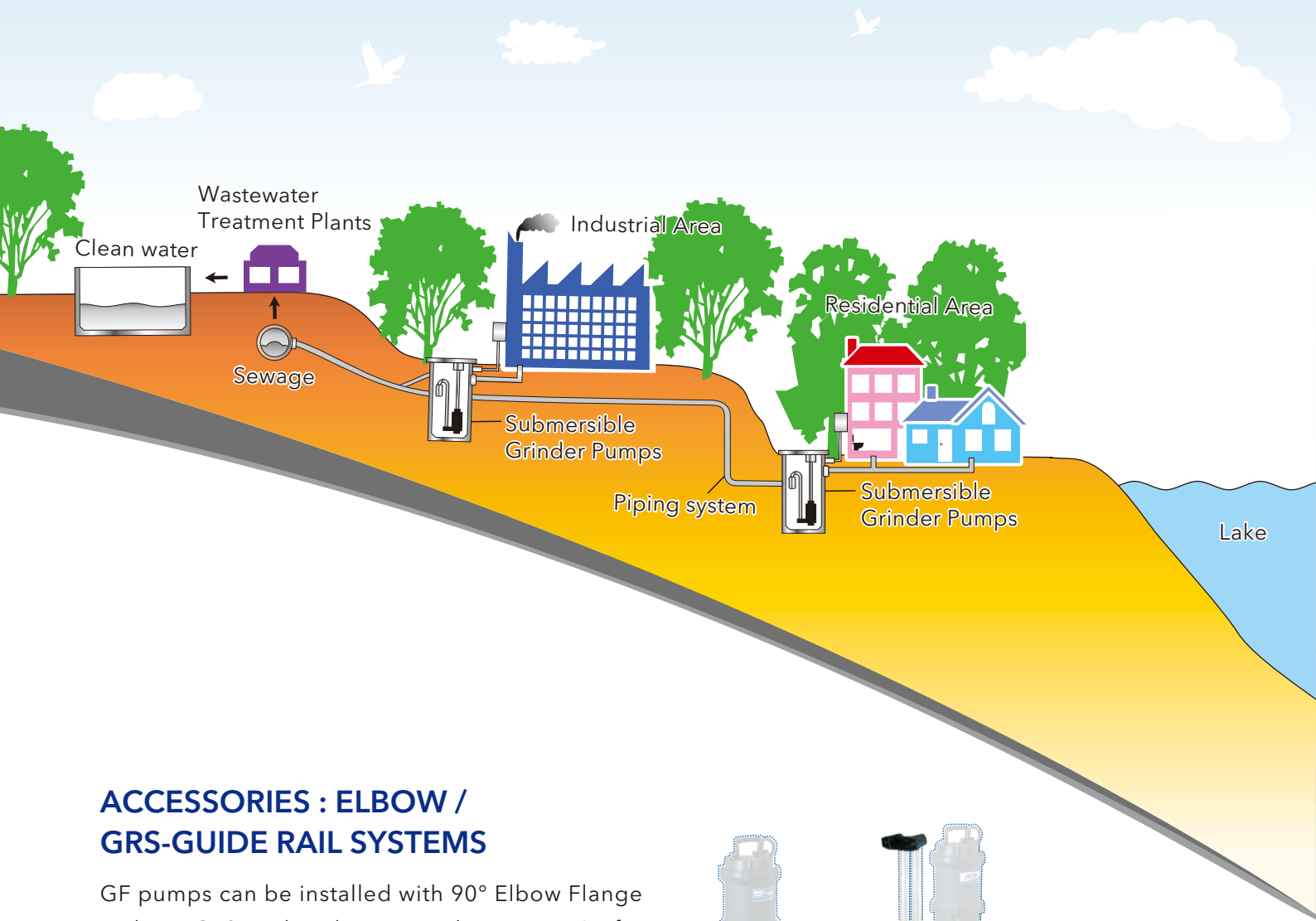


## PERFORMANCE SPECS.

※ 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)	1 1/4"(32)	1	Capacitor	17	0.06	3.6	27	25	249	-	177	555	530
32GF21.5	2(1.5)	1 1/4"(32)	3	DOL	23	0.06	3.6	36	32	285	-	203	596	541
			1	Capacitor										
32GF21.5H	2(1.5)	1 1/4"(32)	3	DOL	26	0.06	3.6	36	32	285	-	203	596	541
			1	Capacitor										
32GF22.2	3(2.2)	1 1/4"(32)	3	DOL	29	0.06	3.6	38	36	285	-	203	623	541
			1	Capacitor										
50GF22.2	3(2.2)	2"(50)	3	DOL	20	0.2	12	-	44	395	243	226	-	589
50GF23.7	5(3.7)	2"(50)	3	DOL	27	0.2	12	-	47	395	243	226	-	609
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	-	80	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](http://www.hcppump.com)



Distributor: