

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

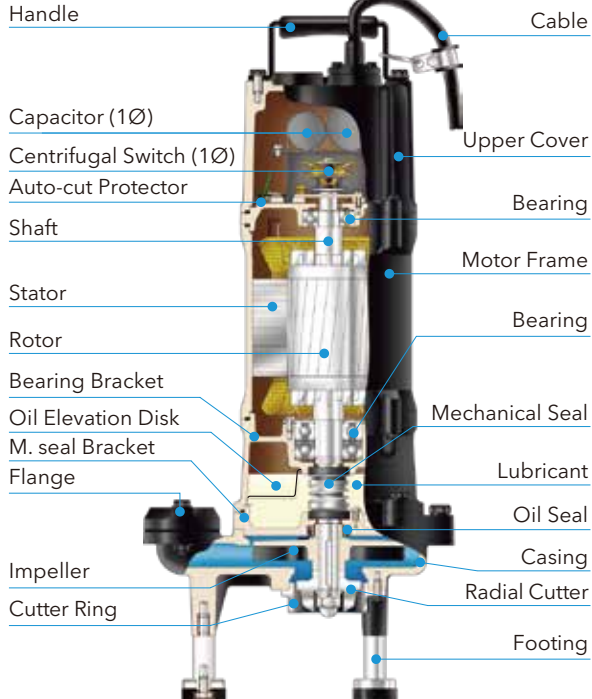
	Item	Description
Limits of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Residential Wastewater · Sewage
Type	Frequency	50Hz
	Motor	2P (3000rpm) · Dry Motor
	Insulation	Class F (1.3HP~5HP) · Class H (7.5~10HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200 / 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 Floating Switch (32GF21.0/21.5/21.5H/22.2)	



Extreme Grinding Ability.



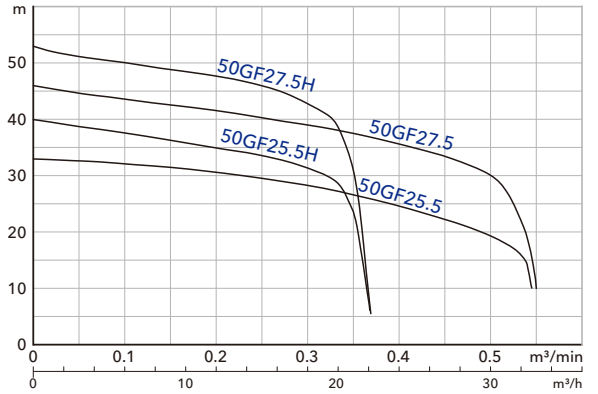
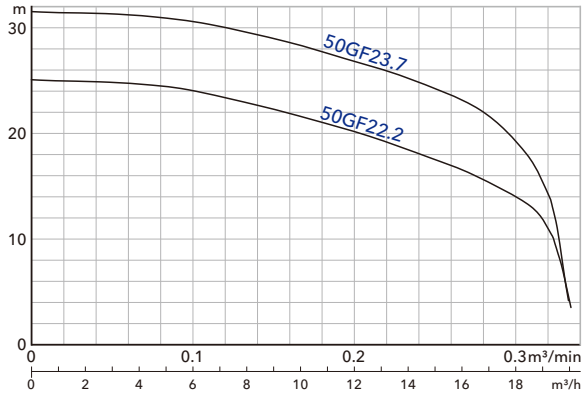
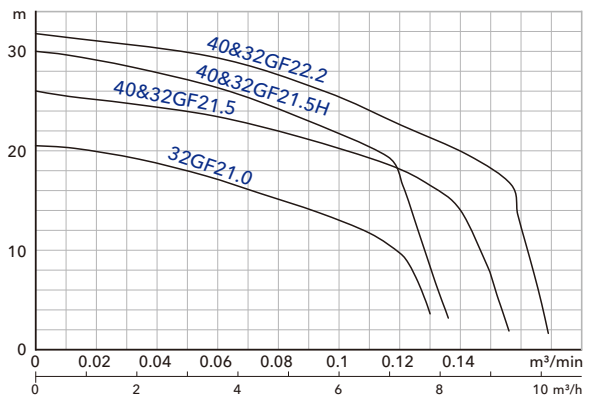
The pictures are for reference only.
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.



PRODUCT NOMENCLATURE

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

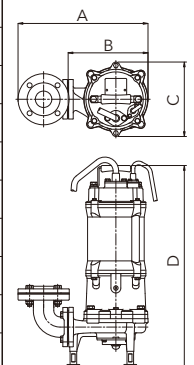
PERFORMANCE CURVES

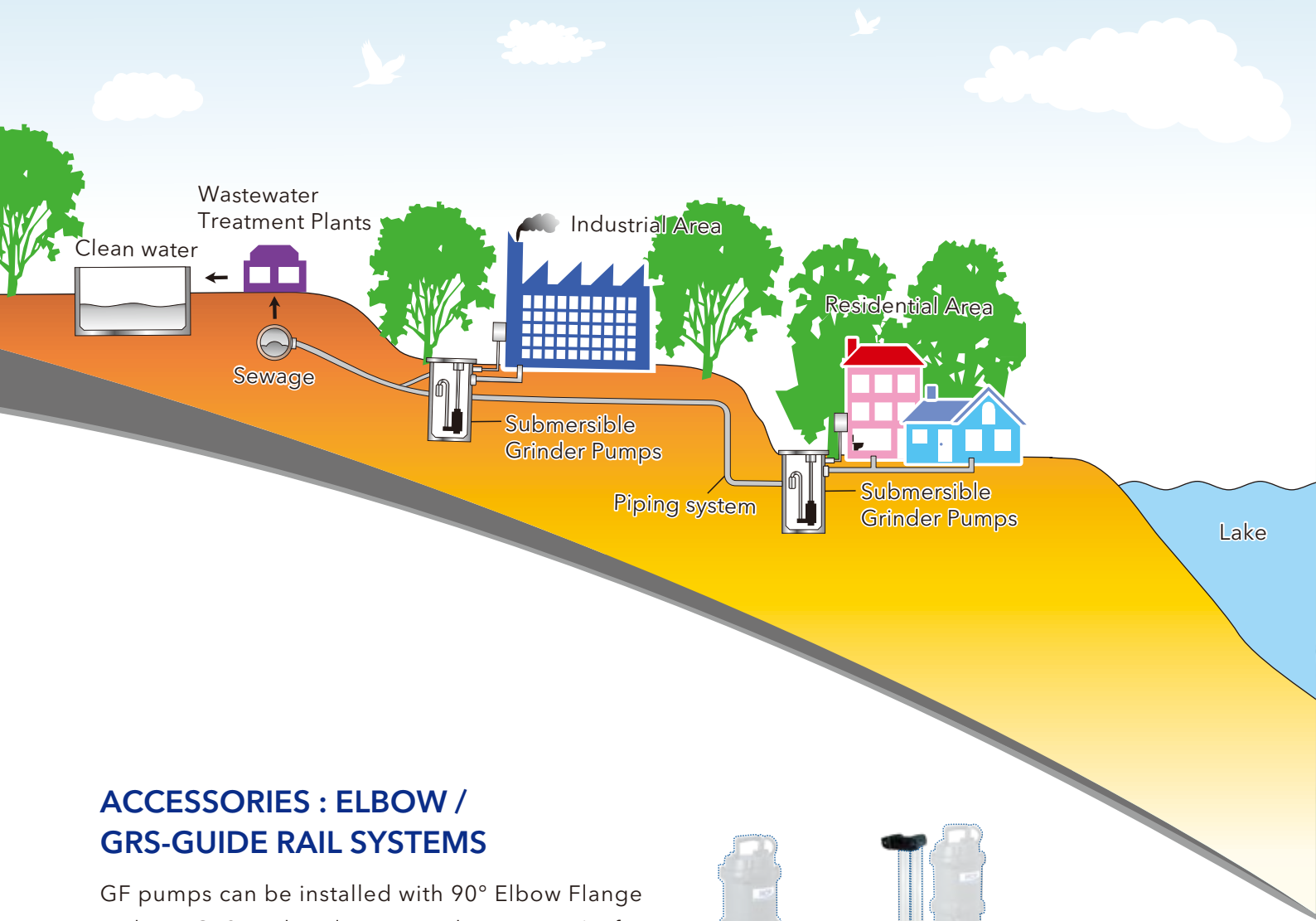


PERFORMANCE SPECS.

※ 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
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
32GF21.5H	2(1.5)	11/4"(32)	1	Capacitor	26	0.06	3.6	36	32	285	-	203	596	541
32GF22.2	3(2.2)	11/4"(32)	1	Capacitor	29	0.06	3.6	38	36	285	-	203	623	541
40GF21.5	2(1.5)	11/2"(40)	1	Capacitor	23	0.06	3.6	36	32	-	255	203	596	541
40GF21.5H	2(1.5)	11/2"(40)	1	Capacitor	26	0.06	3.6	36	32	-	255	203	596	541
40GF22.2	3(2.2)	11/2"(40)	1	Capacitor	29	0.06	3.6	38	36	-	255	203	623	541
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: