

GF 60Hz
SERIES

SUBMERSIBLE GRINDER PUMPS



32GF21.0 32GF21.5(H)/22.2(H) 50GF22.2/23.7/24.5 50GF25.5(H)/27.5(H) 50GF211(H)

40GF21.5(H)
40GF22.2(H)
*40(DN40)Casing

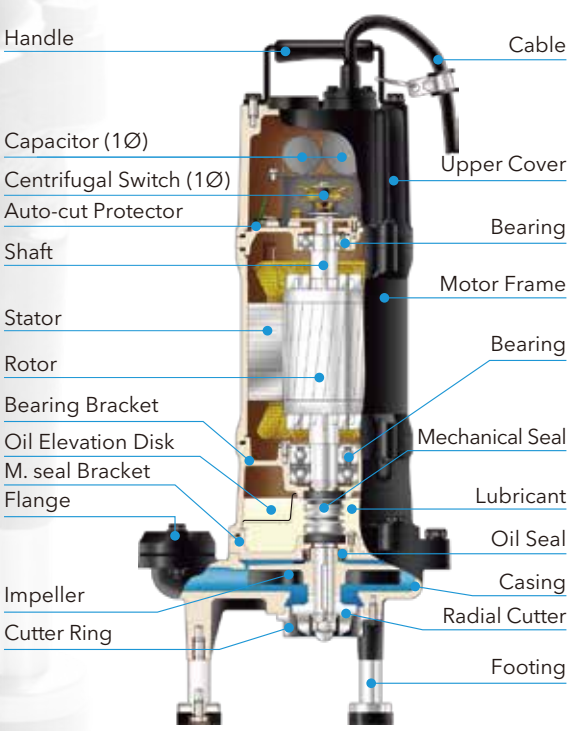


FEATURES

- 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	60Hz	
	Motor	2P (3600rpm)· Dry Motor	
	Insulation	Class F (1.3HP~6HP)· Class H (7.5~15HP)	
	Protection	IP68	
	Protector	Auto-cut (32 / 40 / 50GF1.3~10HP)· MTS (32 / 50GF 1Ø 3~6HP)· MTS & MS (15HP)	
	Bearing	Ball type	
	M.seal	Double M.seals	
	Impeller	Vortex	
	Material	Upper Cover	FC200 / ASTM-30
		Motor Frame	FC200 / ASTM-30
Shaft		SUS403 / ASTM 403	
M.seal		CA/CE & SiC/SiC	
Casing		FC200 / ASTM-30	
Impeller		FC200 / ASTM-30	
Radial Cutter		SUS440C / AISI 440C	
Cutter Ring	SUS440C / AISI 440C		
Cable	VCT or SJOW/SOW/SOOW		
Optional	Pumps can be customized to fit specifications Floating Switch (32GF21.0/21.5/21.5H/22.2/22.2H)		

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.

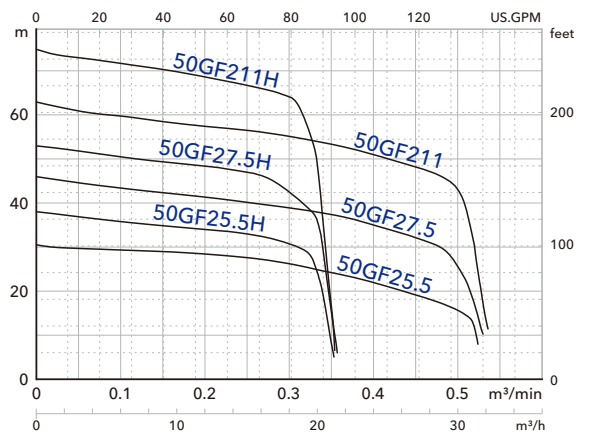
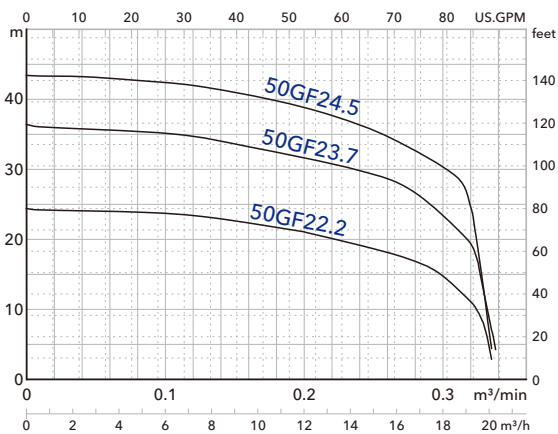
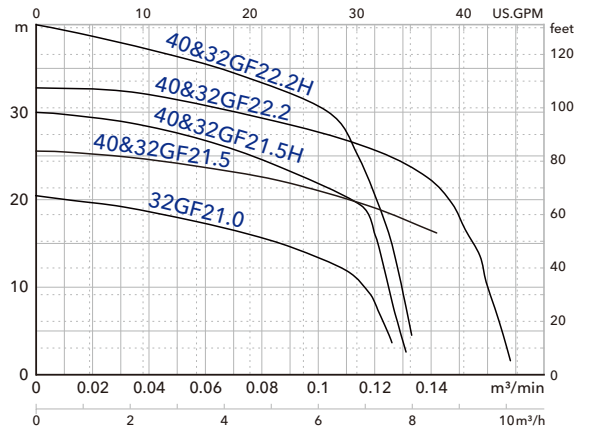


PRODUCT NOMENCLATURE

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



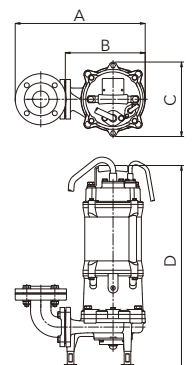
PERFORMANCE CURVES

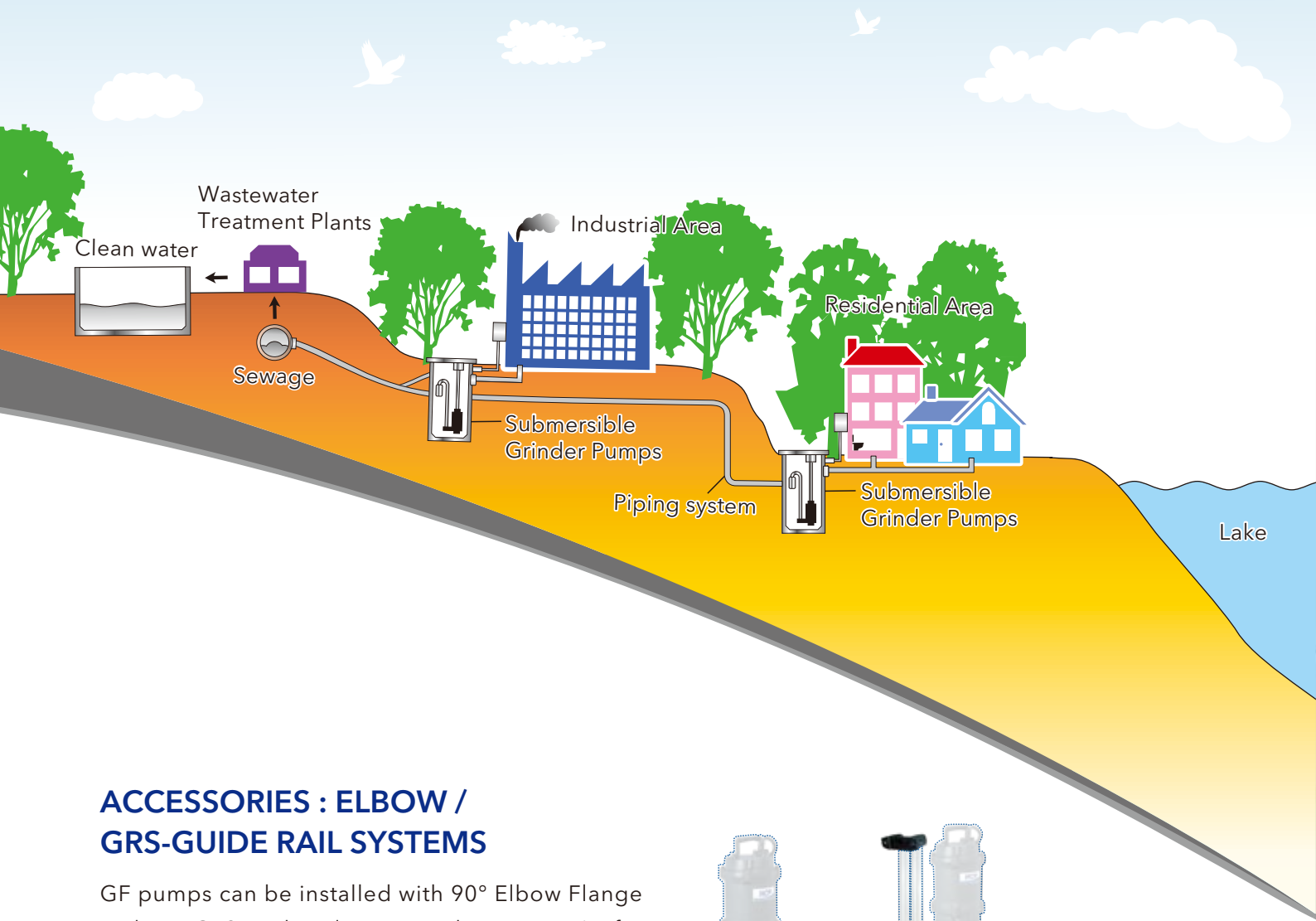


PERFORMANCE SPECS.

※ Note : Weight Without Cable & Elbow Set.
 Start Method : Y-D = STAR-DELTA
 *External Capacitor : Required external capacitors & start relay.

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		Weight kg(lb)		Dimensions mm				
					m-m³/min	ft-GPM	1Ø	3Ø	A	B	C	D	
32GF21.0	1.3(1.0)	1 1/4"(32)	1/3	Capacitor	17-0.06	55.8-16	27(60)	25(55)	249	-	177	555	530
32GF21.5	2(1.5)	1 1/4"(32)	1/3	Capacitor	23-0.06	75.5-16	36(79)	32(71)	285	-	203	596	541
32GF21.5H	2(1.5)	1 1/4"(32)	1/3	Capacitor	26-0.06	85.3-16	36(79)	32(71)	285	-	203	596	541
32GF22.2	3(2.2)	1 1/4"(32)	1/3	Capacitor	30.5-0.06	100.1-16	38(84)	36(79)	285	-	203	623	541
32GF22.2H	3(2.2)	1 1/4"(32)	1/3	Capacitor	35-0.06	114.8-16	38(84)	35(77)	285	-	203	623	541
40GF21.5	2(1.5)	1 1/2"(40)	1/3	Capacitor	23-0.06	75.5-16	36(79)	32(71)	-	255	203	596	541
40GF21.5H	2(1.5)	1 1/2"(40)	1/3	Capacitor	26-0.06	85.3-16	36(79)	32(71)	-	255	203	596	541
40GF22.2	3(2.2)	1 1/2"(40)	1/3	Capacitor	30.5-0.06	100.1-16	38(84)	36(79)	-	255	203	623	541
40GF22.2H	3(2.2)	1 1/2"(40)	1/3	Capacitor	35-0.06	114.8-16	38(84)	35(77)	-	255	203	623	541
50GF22.2	3(2.2)	2"(50)	1/3	*External Capacitor	20-0.2	65.6-52	50(110)	44(97)	395	243	226	641	606
50GF23.7	5(3.7)	2"(50)	1/3	*External Capacitor	31-0.2	101.7-52	50(110)	47(104)	395	243	226	641	626
50GF24.5	6(4.5)	2"(50)	1/3	*External Capacitor	38-0.2	124.7-52	56(123)	50(110)	395	243	226	661	641
50GF25.5	7.5(5.5)	2"(50)	3	DOL	21.5-0.4	70.5-106	-	73(161)	447	295	279	-	711
50GF25.5H	7.5(5.5)	2"(50)	3	DOL	32-0.25	105-66	-	73(161)	447	295	279	-	711
50GF27.5	10(7.5)	2"(50)	3	DOL	34.5-0.4	113.2-106	-	79(174)	447	295	279	-	711
50GF27.5H	10(7.5)	2"(50)	3	DOL	45.5-0.25	149.3-66	-	79(174)	447	295	279	-	711
50GF211	15(11)	2"(50)	3	Y-D/DOL	50-0.4	164-106	-	90(198)	462	310	279	-	751
50GF211H	15(11)	2"(50)	3	Y-D/DOL	66.5-0.25	218.2-66	-	90(198)	462	310	279	-	751






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.



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