

GF 60Hz
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 lip 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 (32GF 1.3~3HP & 50GF 3~10HP 3Ø)·MTS (50GF 3~6HP 1Ø)·MTS & MS (15HP)
	Bearing	Ball type
	M.seal	Double M.seals
Material	Impeller	Vortex
	Upper Cover	FC200
	Motor Frame	FC200
	Shaft	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Radial Cutter	SUS440C
Cutter Ring	SUS440C	
Optional	Cable	VCT or H07RN-F or SJOW/SOW
		Pumps can be customized to fit specifications DN40 Casing Floating Switch (32GF21.0/21.5/21.5H/22.2/22.2H)



Extreme Grinding Ability.



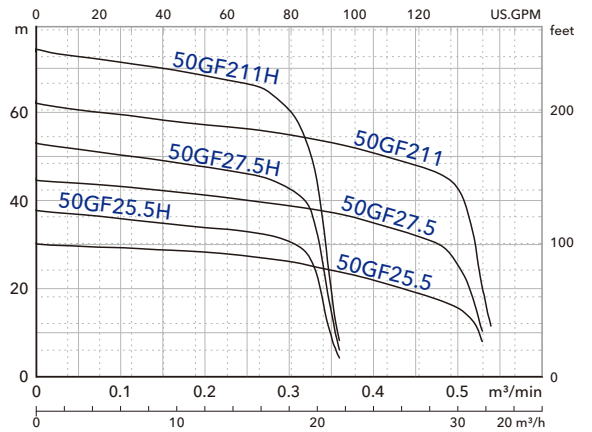
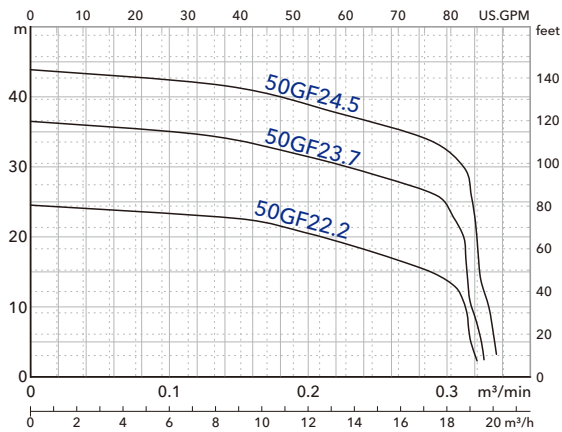
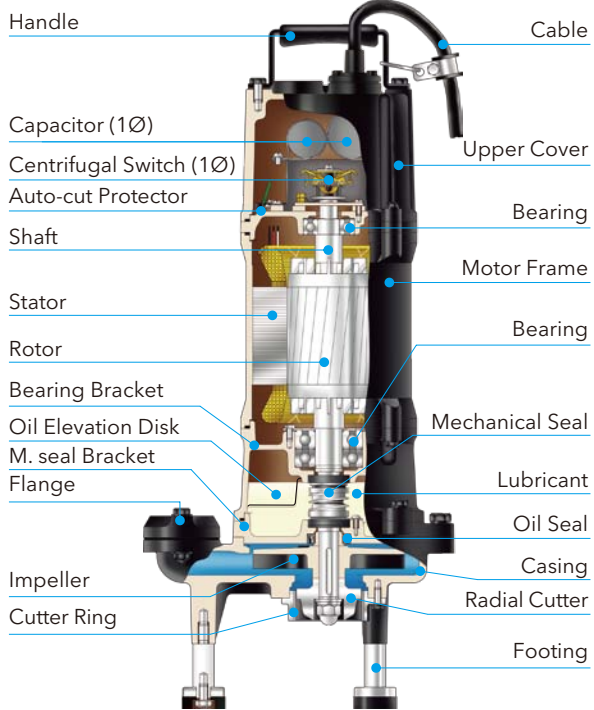
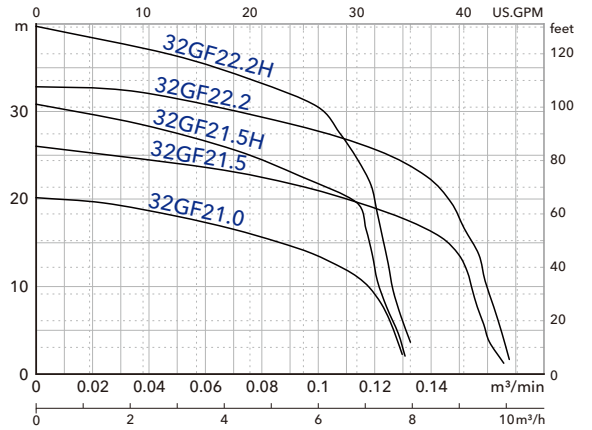
⚠ The pictures are for reference only.
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.



PRODUCT NOMENCLATURE

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

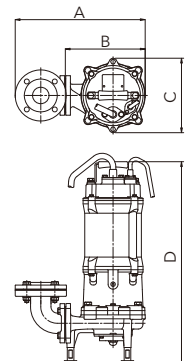
PERFORMANCE CURVES

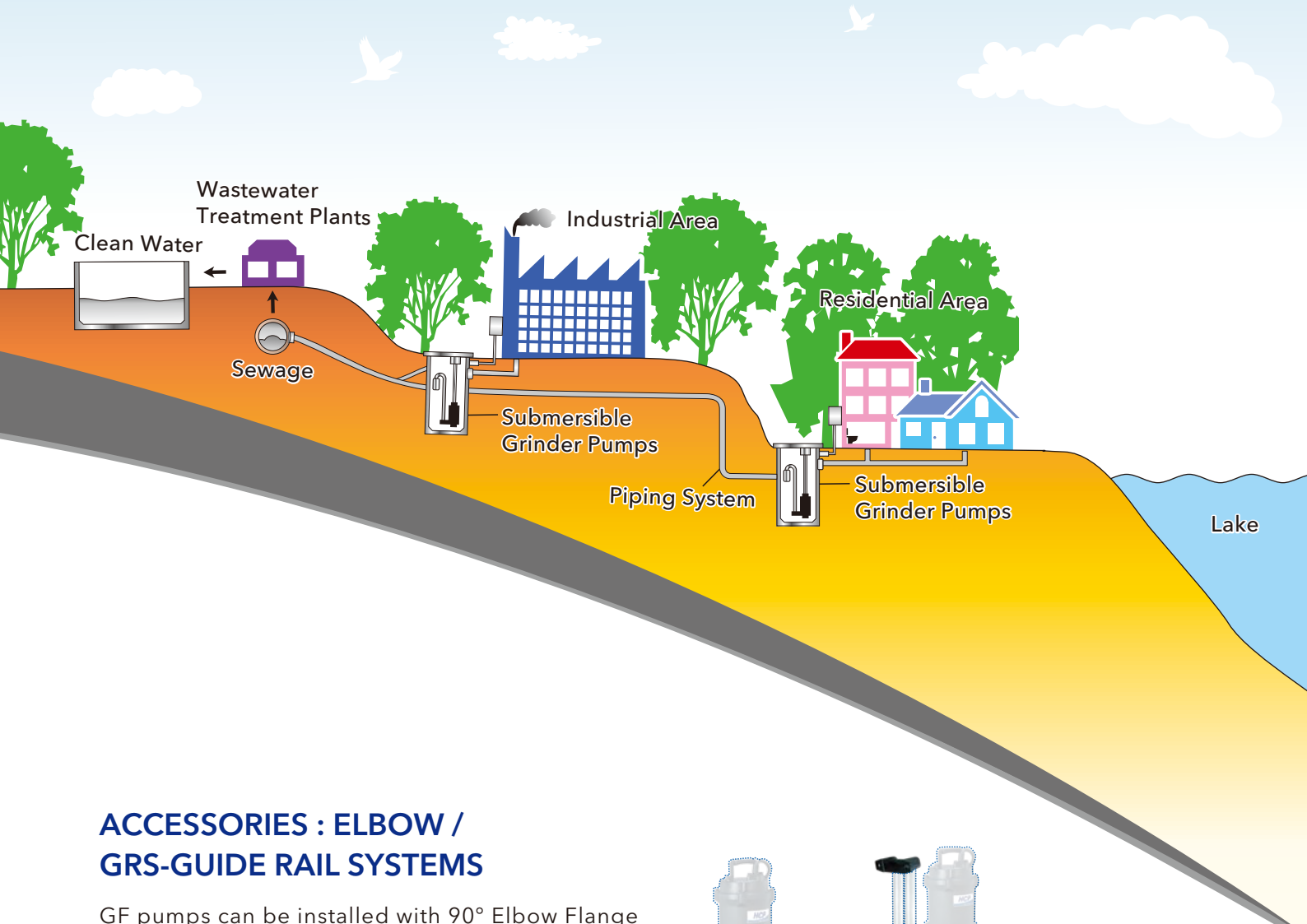


PERFORMANCE SPECS.

※ 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	1Ø D	3Ø
32GF21.0	1.3(1.0)	1.25"(32)	1/3	Capacitor DOL	17-0.06	55-16	27(60)	25(55)	249	-	177	555	530
32GF21.5	2(1.5)	1.25"(32)	1/3	Capacitor DOL	23-0.06	75-16	36(79)	32(71)	285	-	203	596	541
32GF21.5H	2(1.5)	1.25"(32)	1/3	Capacitor DOL	26-0.06	85-16	36(79)	32(71)	285	-	203	596	541
32GF22.2	3(2.2)	1.25"(32)	1/3	Capacitor DOL	30.5-0.06	100-16	38(84)	35(77)	285	-	203	623	541
32GF22.2H	3(2.2)	1.25"(32)	1/3	Capacitor DOL	35-0.06	115-16	38(84)	35(77)	285	-	203	623	541
50GF22.2	3(2.2)	2"(50)	1/3	*External Capacitor DOL	20-0.2	66-52	50(110)	44(97)	395	243	226	624	589
50GF23.7	5(3.7)	2"(50)	1/3	*External Capacitor DOL	31-0.2	102-52	50(110)	47(104)	395	243	226	624	609
50GF24.5	6(4.5)	2"(50)	1/3	*External Capacitor DOL	38-0.2	125-52	56(123)	50(110)	395	243	226	644	624
50GF25.5	7.5(5.5)	2"(50)	3	DOL	21.5-0.4	71-106	-	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	113-106	-	79(174)	447	295	279	-	711
50GF27.5H	10(7.5)	2"(50)	3	DOL	45.5-0.25	149-66	-	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	218-66	-	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.



ELBOW


GRS

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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