

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

	<p>Epoxy Cable Base</p> <p>An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.</p>
	<p>Double Mechanical Seals</p> <p>Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.</p>
	<p>Auto-cut Protector</p> <p>Automatic On / Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.</p>
	<p>High Efficiency Dry Motor</p> <p>All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.</p>

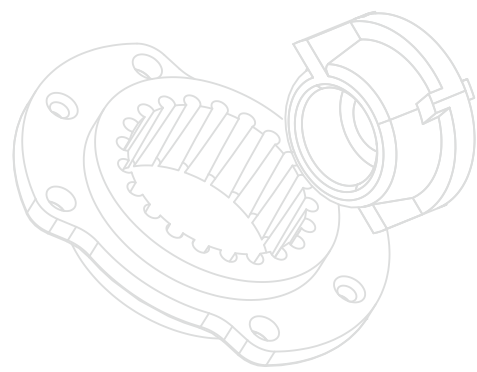
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GF 50Hz
SERIES
SUBMERSIBLE GRINDER PUMPS



GE

FEATURES

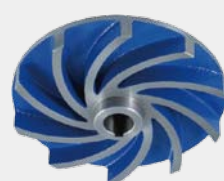
- Standard accessories include: cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals and lip seal design.
- Vortex impeller design prevents clogging.
- Radial cutter and cutter ring SUS440C : corrosion resistant material, hardened to 55~60 Rockwell 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
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
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 (32GF21.0/21.5/21.5H/22.2)

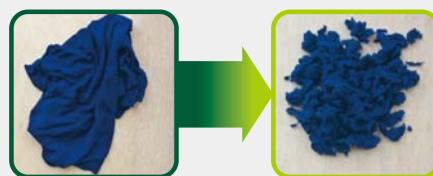


Vortex Impeller

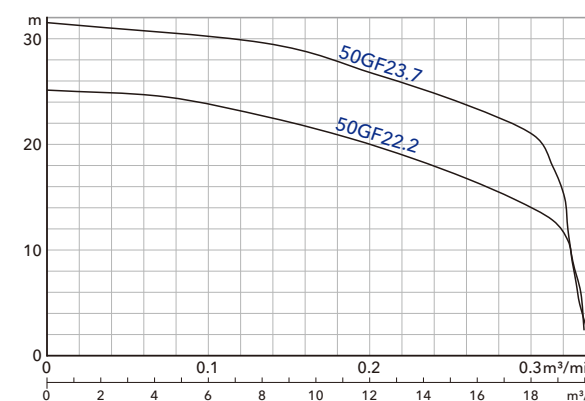
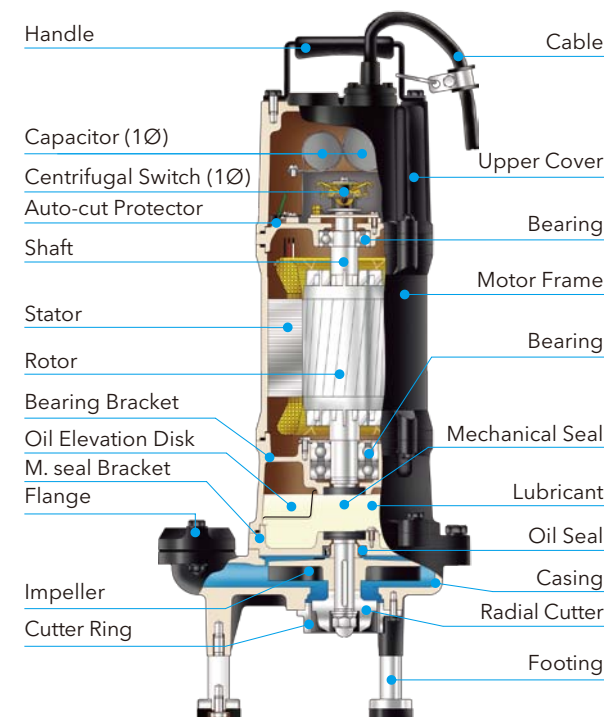


Radial Cutter & Cutter Ring

Extreme Grinding Ability.



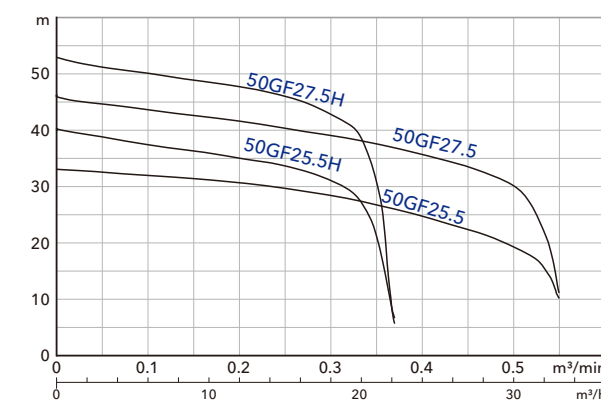
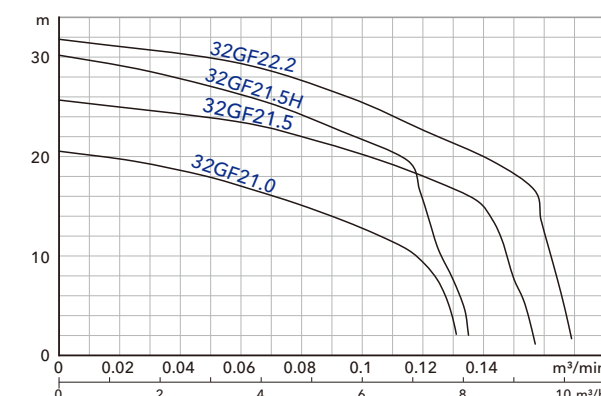
⚠ The pictures are for reference only.
The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.



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	D	
32GF21.0	1.3(1.0)	1.25"(32)	1/3	Capacitor DOL	17	0.06	3.6	27	25	249	-	177	555	530
32GF21.5	2(1.5)	1.25"(32)	1/3	Capacitor DOL	23	0.06	3.6	36	32	285	-	203	596	541
32GF21.5H	2(1.5)	1.25"(32)	1/3	Capacitor DOL	26	0.06	3.6	36	32	285	-	203	596	541
32GF22.2	3(2.2)	1.25"(32)	1/3	Capacitor DOL	29	0.06	3.6	38	36	285	-	203	623	541
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

