



# GF

SUBMERSIBLE  
GRINDER PUMPS

50Hz

make future flow

# FEATURES

- The GF grinder pump grinds solid household wastes into fine particles using a durable SUS440C radial cutter and cutter ring.
- The corrosion-resistant radial cutter and cutter ring, with a hardness of 55~60 Rockwell C., works seamlessly with a non-clog vortex impeller to transport wastewater efficiently.
- The 2" (50mm) discharge (50GF) models feature triangular handles for easy installation and maintenance. The guide rail system enhances maintenance safety and minimizes the need for well and tank entries.



## PRODUCT NOMENCLATURE

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



ELBOW

GRS

※ 40(DN40)  
Casing

## SPECIFICATIONS

Spec.	Description
Liquid Temp.	0~40°C (32~104°F)
Motor	2P (3000rpm) • Dry Motor
Insulation	Class F • Class H
Protection	IP68
Protector	Auto-cut
M.seal Type	Double M.seals
Impeller Type	Vortex
Item	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

## APPLICATIONS

- Residential wastewater drainage for homes and apartments
- Wastewater drainage for commercial buildings such as hotels and office buildings
- Industrial wastewater drainage

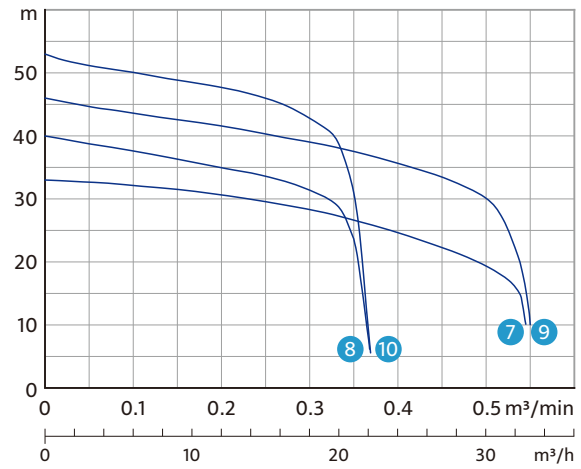
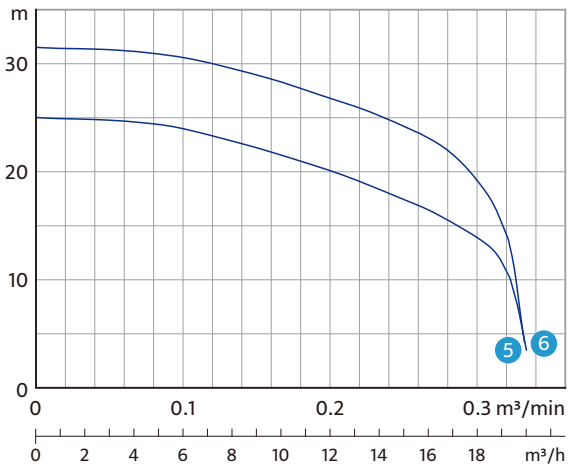
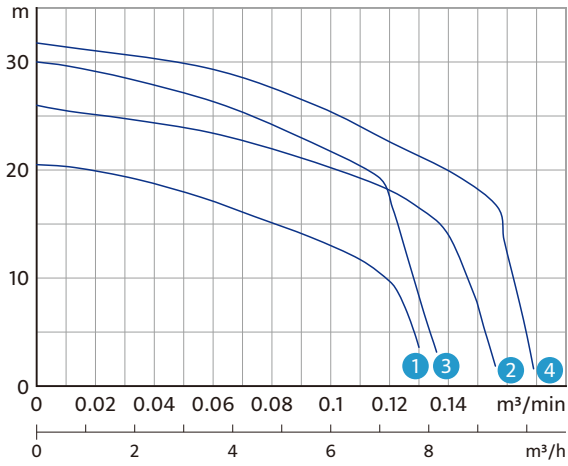
## EXTREME GRINDING ABILITY



The pictures are for reference only.

The actual grinding result might be varied cause radial cutter & cutter ring condition and application environment.

# PERFORMANCE CURVES AND SPECS



Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard	Max.	Casing Type	Weight kg	
					m-m³/min			1Ø	3Ø
1 32GF21.0	1.3(1.0)	1¼" (32)	1	Capacitor	17-0.06	20.5-0.13	V	27	25
			3	DOL					
2 32GF21.5	2(1.5)	1¼" (32)	1	Capacitor	23-0.06	26-0.15	V	36	32
			3	DOL					
3 32GF21.5H	2(1.5)	1¼" (32)	1	Capacitor	26-0.06	30-0.14	V	36	32
			3	DOL					
4 32GF22.2	3(2.2)	1¼" (32)	1	Capacitor	29-0.06	32-0.165	V	38	36
			3	DOL					
2 40GF21.5	2(1.5)	1½" (40)	1	Capacitor	23-0.06	26-0.15	H	36	32
			3	DOL					
3 40GF21.5H	2(1.5)	1½" (40)	1	Capacitor	26-0.06	30-0.14	H	36	32
			3	DOL					
4 40GF22.2	3(2.2)	1½" (40)	1	Capacitor	29-0.06	32-0.165	H	38	36
			3	DOL					
5 50GF22.2	3(2.2)	2"(50)	3	DOL	20-0.2	25-0.33	H	-	44
6 50GF23.7	5(3.7)	2"(50)	3	DOL	27-0.2	31.5-0.33	H	-	47
7 50GF25.5	7.5(5.5)	2"(50)	3	DOL	24-0.4	33-0.55	H	-	73
8 50GF25.5H	7.5(5.5)	2"(50)	3	DOL	33-0.25	40-0.37	H	-	74
9 50GF27.5	10(7.5)	2"(50)	3	DOL	35-0.4	46-0.55	H	-	80
10 50GF27.5H	10(7.5)	2"(50)	3	DOL	46-0.25	53-0.37	H	-	73

※ Excludes Cable & Elbow Weight.  
 ※ Casing type : V stands for Vertical and H for Horizontal.  
 ※ Start Method : Y-D = STAR-DELTA



# PRODUCT FEATURES



## 1 Epoxy Cable Base

An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.



## 2 Auto-cut Protector

Automatic On / Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



## 3 High Efficiency Dry Motors

All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.



## 4 Double Mechanical Seals

Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.



**Vortex Impeller**



**Radial Cutter & Cutter Ring**



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YouTube



**Selection system**



**Catalog**