



GF

SUBMERSIBLE
GRINDER PUMPS

60Hz

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 (3600rpm) • Dry Motor
Insulation	Class F • Class H
Protection	IP68
Protector	Auto-cut / MTS / MTS & MS
M.seal Type	Double M.seals
Impeller Type	Vortex
Item	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

APPLICATIONS

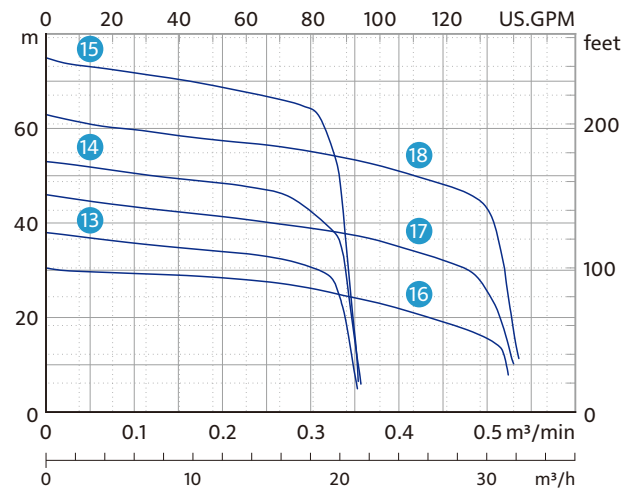
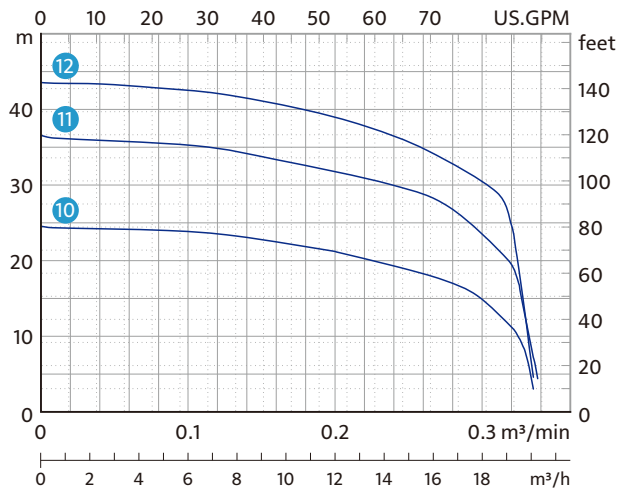
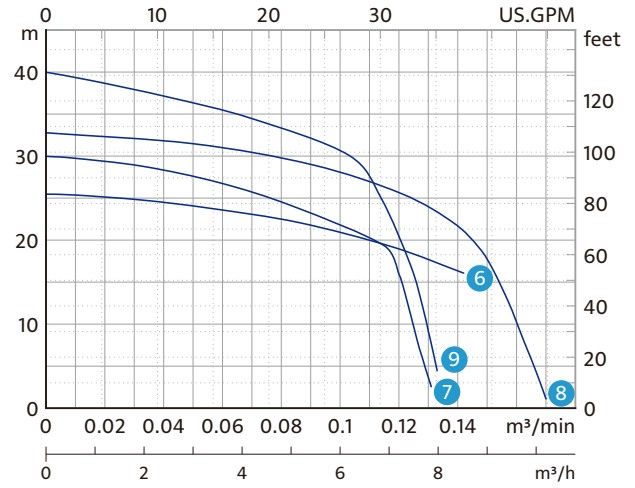
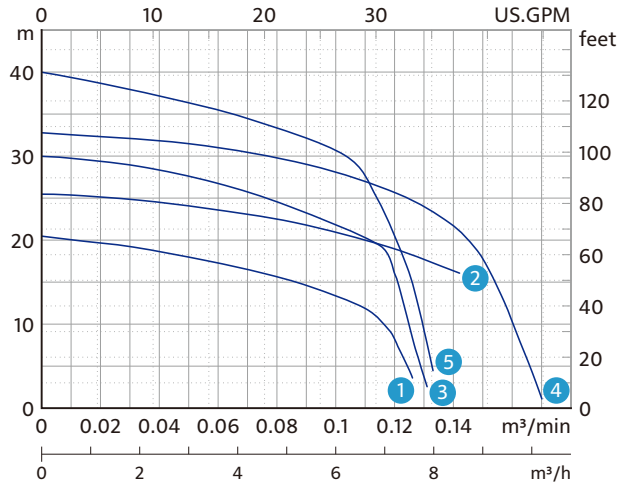
- Residential wastewater drainage for homes and apartments
- Wastewater drainage for commercial buildings such as hotels and office buildings
- Industrial wastewater drainage

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(lb)	
					ft-GPM	ft-GPM		1Ø	3Ø
1 32GF21.0	1.3(1.0)	1¼" (32)	1	Capacitor	55.8-16	67.3-34	V	27(60)	25(55)
			3	DOL					
2 32GF21.5	2(1.5)	1¼" (32)	1	Capacitor	75.5-16	83.7-36	V	36(79)	32(71)
			3	DOL					
3 32GF21.5H	2(1.5)	1¼" (32)	1	Capacitor	85.3-16	98.4-36	V	36(79)	32(71)
			3	DOL					
4 32GF22.2	3(2.2)	1¼" (32)	1	Capacitor	100.1-16	105-44	V	38(84)	36(79)
			3	DOL					
5 32GF22.2H	3(2.2)	1¼" (32)	1	Capacitor	114.8-16	131.2-36	V	38(84)	35(77)
			3	DOL					
6 40GF21.5	2(1.5)	1½" (40)	1	Capacitor	75.5-16	83.7-36	H	36(79)	32(71)
			3	DOL					
7 40GF21.5H	2(1.5)	1½" (40)	1	Capacitor	85.3-16	98.4-36	H	36(79)	32(71)
			3	DOL					
8 40GF22.2	3(2.2)	1½" (40)	1	Capacitor	100.1-16	105-44	H	38(84)	36(79)
			3	DOL					
9 40GF22.2H	3(2.2)	1½" (40)	1	Capacitor	114.8-16	131.2-36	H	38(84)	35(77)
			3	DOL					
10 50GF22.2	3(2.2)	2" (50)	1	*External Capacitor	65.6-52	80.4-88	H	50(110)	44(97)
			3	DOL					
11 50GF23.7	5(3.7)	2" (50)	1	*External Capacitor	101.7-52	119.8-88	H	50(110)	47(104)
			3	DOL					
12 50GF24.5	6(4.5)	2" (50)	1	*External Capacitor	124.7-52	142.7-88	H	56(123)	50(110)
			3	DOL					
13 50GF25.5	7.5(5.5)	2" (50)	3	DOL	70.5-106	100.1-140	H	-	73(161)
14 50GF25.5H	7.5(5.5)	2" (50)	3	DOL	105-66	124.7-95	H	-	73(161)
15 50GF27.5	10(7.5)	2" (50)	3	DOL	113.2-106	150.9-140	H	-	79(174)
16 50GF27.5H	10(7.5)	2" (50)	3	DOL	149.3-66	173.9-95	H	-	79(174)
17 50GF211	15(11)	2" (50)	3	Y-D/DOL	164-106	206.7-142	H	-	90(198)
18 50GF211H	15(11)	2" (50)	3	Y-D/DOL	218.2-66	246.1-95	H	-	90(198)

※ Excludes Cable & Elbow Weight.

※ Start Method : Y-D = STAR-DELTA

※ Casing type : V stands for Vertical and H for Horizontal.

※ *External Capacitor : Required external capacitors & start relay.



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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HCP PUMP MANUFACTURER CO., LTD.
www.hcppump.com



YouTube



Selection system



Catalog