

GF SERIES

SUBMERSIBLE GRINDER PUMPS

TECHNICAL DATA
PAGE 46-47

POWER : 1 $\frac{1}{3}$ ~5HP (1.0~3.7kW)
MAX. HEAD : 105feet (32m)
MAX. FLOW : 0.33m³/min (19.8m³/h)

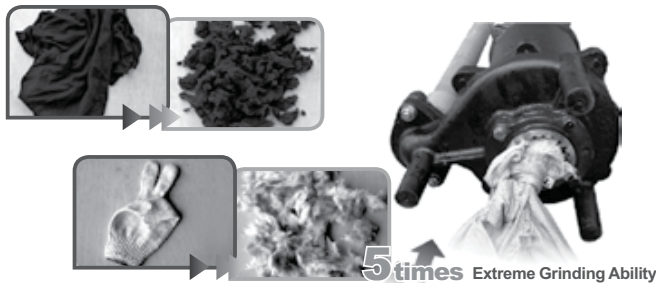


PRODUCT NOMENCLATURE

Example : 32 GF 2 1.5 F
Discharge mm Type Pole kW Float

FEATURE

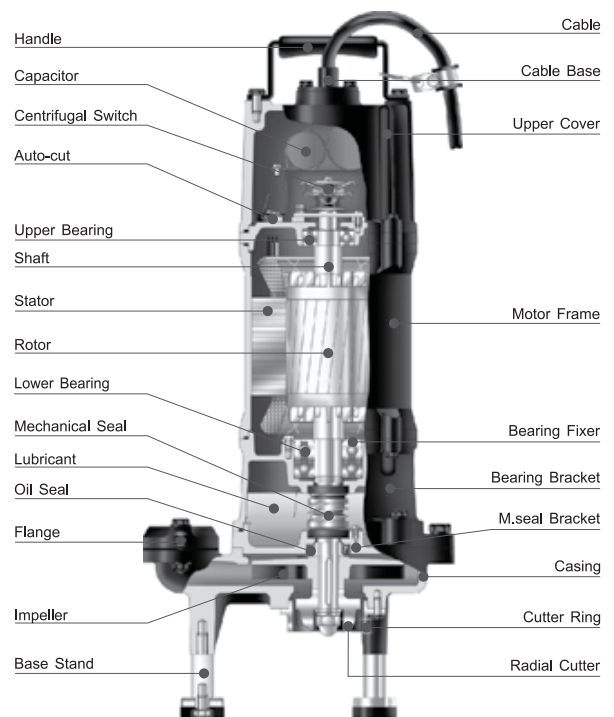
- ▶ Durable heavy duty finned cast iron construction.
- ▶ Standard accessories include : epoxy resin cable base, dry motor, double mechanical seals, autcut protection, double ball bearing support shaft and rotor.
- ▶ Vortex impeller design prevents clogging by cutting up articles.
- ▶ Radial cutter and cutter ring : corrosion resistant material, hardened to 55-60 Rockwell C.
- ▶ Models with float : 32GF type - 1.3 & 2 & 3HP



APPLICATIONS

- ▶ Used in pressure sewage system.
- ▶ Drainage of wastewater from individual residences, apartment buildings, recreational developments, motels.

- ▶ Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals.
- ▶ Schools, federal, state and local parks, wastewater drainage.
- ▶ To transfer various wastewater and sewage.



GF SERIES SUBMERSIBLE GRINDER PUMPS

32GF21.0 • 32GF21.5 • 32GF22.2 • 50GF22.2 • 50GF23.7

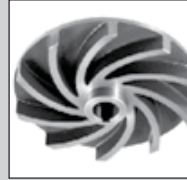
SPECIFICATIONS

Item		Description
Limits Of Use	Liquid Temp.	0~40°C
	Applications	Residential Wastewater And Sewage
	Submersion Depth	100feet (30m)
Type	Frequency	50Hz
	Motor	2P • Dry Motor
	Insulation	Class B (5HP : Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double M.seals
Material	Impeller	Semi-open
	Radial Cutter	SUS440C
	Cutter Ring	SUS440C
	Main Shaft	SUS403
	M.seal	Upper : Carbon/Ceramic • Lower : Silicon/Silicon
	Casing	FC-200
	Impeller	FC-200
Optional	Cable	VCT or H07RN-F or SJOW/SOW
Optional	Float Switch	(5HP : none)

2011 NEW



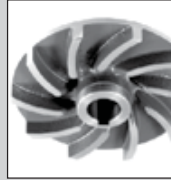
32GF21.0
32GF21.5 • 32GF22.2



Semi-open Impeller



32GF21.5DN40
32GF22.2DN40



Semi-open Impeller



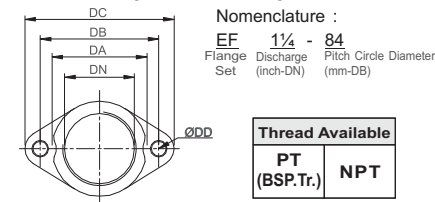
50GF22.2 • 50GF23.7



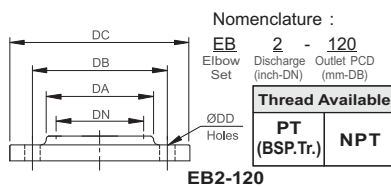
Radial Cutter & Cutter Ring

Model	Power HP (kW)	Discharge inch (mm)	Standard		MAX		Solid Passage mm (inch)	Weight (W/O Cable)		Phase Voltage	1Ø	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	
			m - m ³ /min	m - m ³ /h	m - m ³ /min	m - m ³ /h		1Ø-kg(lb)	3Ø-kg(lb)		220V	230V	240V	230V	380V	400V	415V	
32GF21.0	1 1/3 (1.0)	1 1/4" (32)	17 - 0.06	17 - 3.6	20.5 - 0.13	20.5 - 7.8	28 (62)	25 (55)	Full Load Ampere	6.6	6.4	6.4	4.1	2.4	2.4	2.3		
32GF21.5	2 (1.5)	1 1/4" (32)	23 - 0.06	23 - 3.6	26 - 0.15	26 - 9	36 (79)	33 (73)		10.4	10.0	9.8	6.1	3.6	3.5	3.4		
32GF22.2	3 (2.2)	1 1/4" (32)	10 ²⁸ / ₃₀₋₂₉ - 0.06	10 ²⁸ / ₃₀₋₂₉ - 3.6	32 - 0.165	32 - 9.9	38 (84)	35 (77)		15.0	14.6	14.4	8.6	5.1	5.0	4.8		
50GF22.2	3 (2.2)	2" (50)	19 - 0.2	19 - 12	25 - 0.33	25 - 19.8		51 (113)					9.5	5.6	5.5	5.2		
50GF23.7	5 (3.7)	2" (50)	26 - 0.2	26 - 12	31.5 - 0.33	31.5 - 19.8		53 (117)					14.0	8.4	8.2	7.7		

ELBOW (FLANGE) SET



EF1/4-84

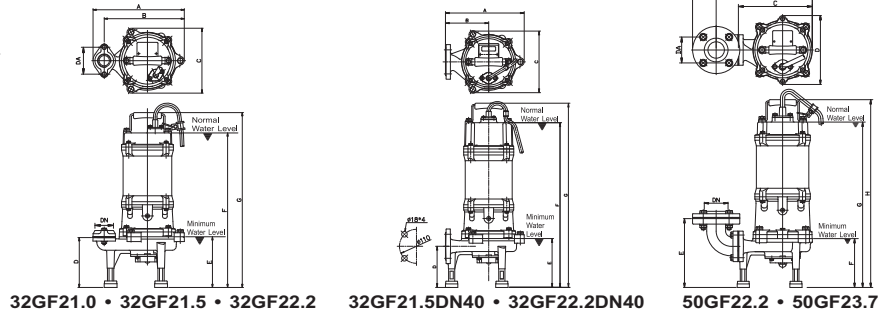


EB2-120

Elbow (Flange) Set	Application Model	Dimensions - inch					Holes
		DN	DA	DB	DC	DD	
EF1/4-84	32GF21.0	1 1/4	2 3/4	3 1/4	4 1/4	1/4	2
EF1/4-84	32GF21.5	1 1/4	2 3/4	3 1/4	4 1/4	1/4	2
EF1/4-84	32GF22.2	1 1/4	2 3/4	3 1/4	4 1/4	1/4	2
EB2-120	50GF22.2	2	3	4 3/4	6	1/2	4
EB2-120	50GF23.7	2	3	4 3/4	6	1/2	4

Elbow (Flange) Set	Application Model	Dimensions - mm					Holes
		DN	DA	DB	DC	DD	
EF1/4-84	32GF21.0	32	70	84	105	9.5	2
EF1/4-84	32GF21.5	32	70	84	105	9.5	2
EF1/4-84	32GF22.2	32	70	84	105	9.5	2
EB2-120	50GF22.2	50	78	120	155	15	4
EB2-120	50GF23.7	50	78	120	155	15	4

DIMENSIONS



Model	Dimensions - inch												
	DN	DA	A	B	C	D	E	F		G		H	
32GF21.0	1 1/4	3 1/4	9 3/4	8 1/2	7	6 1/4	6 1/4	19 1/2	18 1/2	21 1/4	20 3/4	6 1/4	
32GF21.5	1 1/4	3 1/4	11 1/4	9 3/4	8	6 1/4	6 1/4	21 3/4	19	23 1/2	21 1/2	6 1/4	
32GF22.2	1 1/4	3 1/4	11 1/4	9 3/4	8	6 1/4	6 1/4	22 1/4	19	24 3/4	21 1/2	6 1/4	
32GF21.5DN40			10	5 1/2	8	5 1/4	6 1/4	21	19	23 1/2	21 1/2	6 1/4	
32GF22.2DN40			10	5 1/2	8	5 1/4	6 1/4	22 1/4	19	24 3/4	21 1/2	6 1/4	
50GF22.2	2	4 3/4	15 1/2	12 1/2	9 1/2	9 1/2	7				21 1/2	24 1/4	
50GF23.7	2	4 3/4	15 1/2	12 1/2	9 1/2	9 1/2	7				21 1/2	24 1/4	

Model	Dimensions - mm												
	DN	DA	A	B	C	D	E	F		G		H	
32GF21.0	32	84	249	214	177	156	160	498	473	555	530		
32GF21.5	32	84	285	250	203	156	160	553	483	597	546		
32GF22.2	32	84	285	250	203	156	160	566	483	630	546		
32GF21.5DN40			255	140	203	133	160	533	483	596	546		
32GF22.2DN40			255	140	203	133	160	566	483	630	546		
50GF22.2	50	120	393	316	243	226	226		180		543	616	
50GF23.7	50	120	393	316	243	226	226		180		543	616	

