SHOWFOU

SINCE 1976

修附電機

SHOWFOU GRINDER PUMPS

Pumps designed to reduce industrial and domestic sewage to fine slurry.

ISO 9001

GP
粉碎型污物幫浦
Grinder Pump

GPA
粉碎型污物自動浮球幫浦
Automatic Grinder Pump with float switch

TOS-GP
著脫組
Guide Rail Kit

GPQ
粉碎型不銹鋼污物幫浦
Stainless Grinder Pump

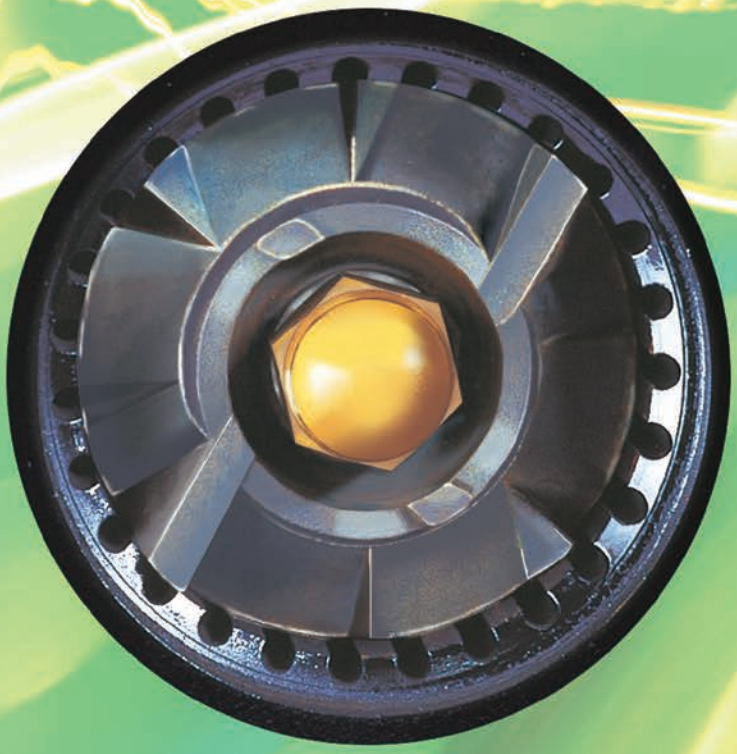
GPA 1.5HP&2HP

GP 1.5~5HP

GPQ 7.5HP

SHOWFOU GRINDER PUMPS

GP type Submersible Grinder Pump



■ Features:

1. The advanced integrated grinding mechanism particularly well-suited for use with liquids that may contain filaments, plastic bags, long fibers, rubber material etc.

2. The grinding mechanism is composed of a fixed blade and a rotating grinder made by hard Chromium-Molybdenum alloy steel that is highly resistant to the abrasion. There are 27 cutting edges on the fixed part. Then the two poles high torque motor will provide more than 80,000 shredding actions every minutes to perform an optimum shredding performance.

3. The triplex seals- Double mechanical seal plus an oil seal to isolate the motor from the sewage.

4. Unique Epoxy Cable Sealing Base ensures 100% capability to block the water vapor from entering the motor even the cable breaks.

5. Using dual ball bearing on the bottom of the motor to support the axial push.

Pants

Cotton gloves

Rags

Sanitary pad

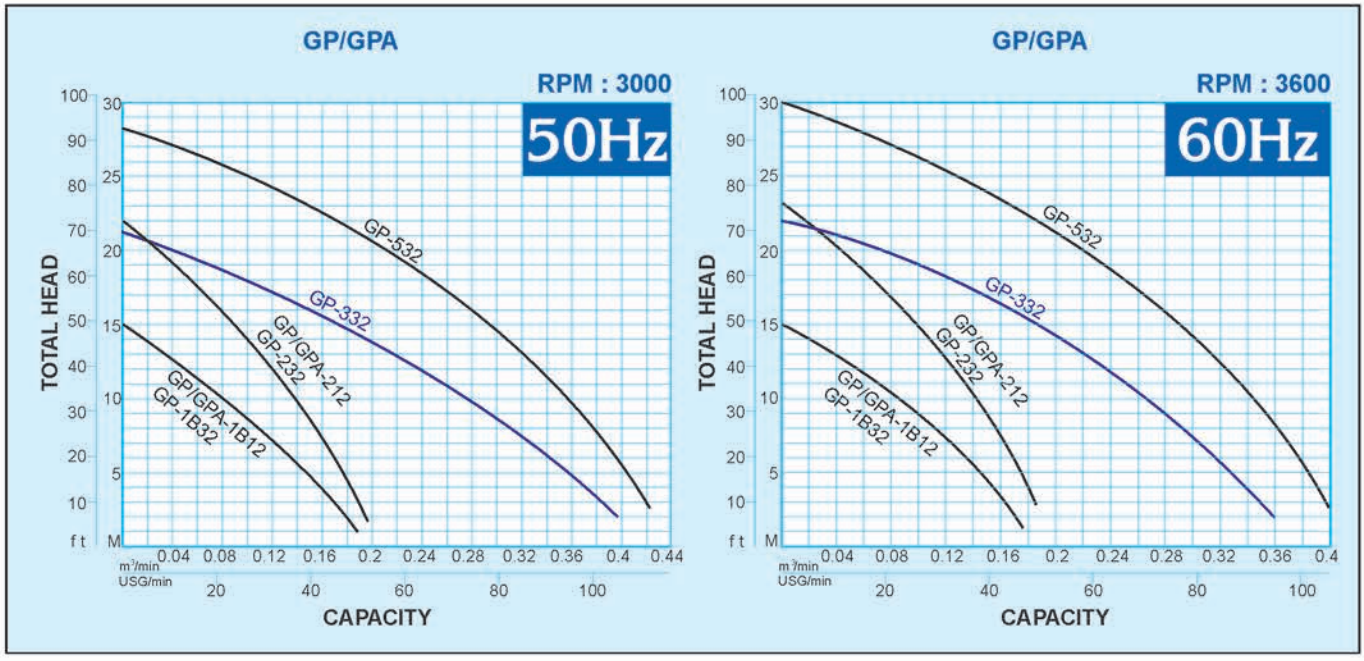
Plastic bags

■ SPECIFICATIONS

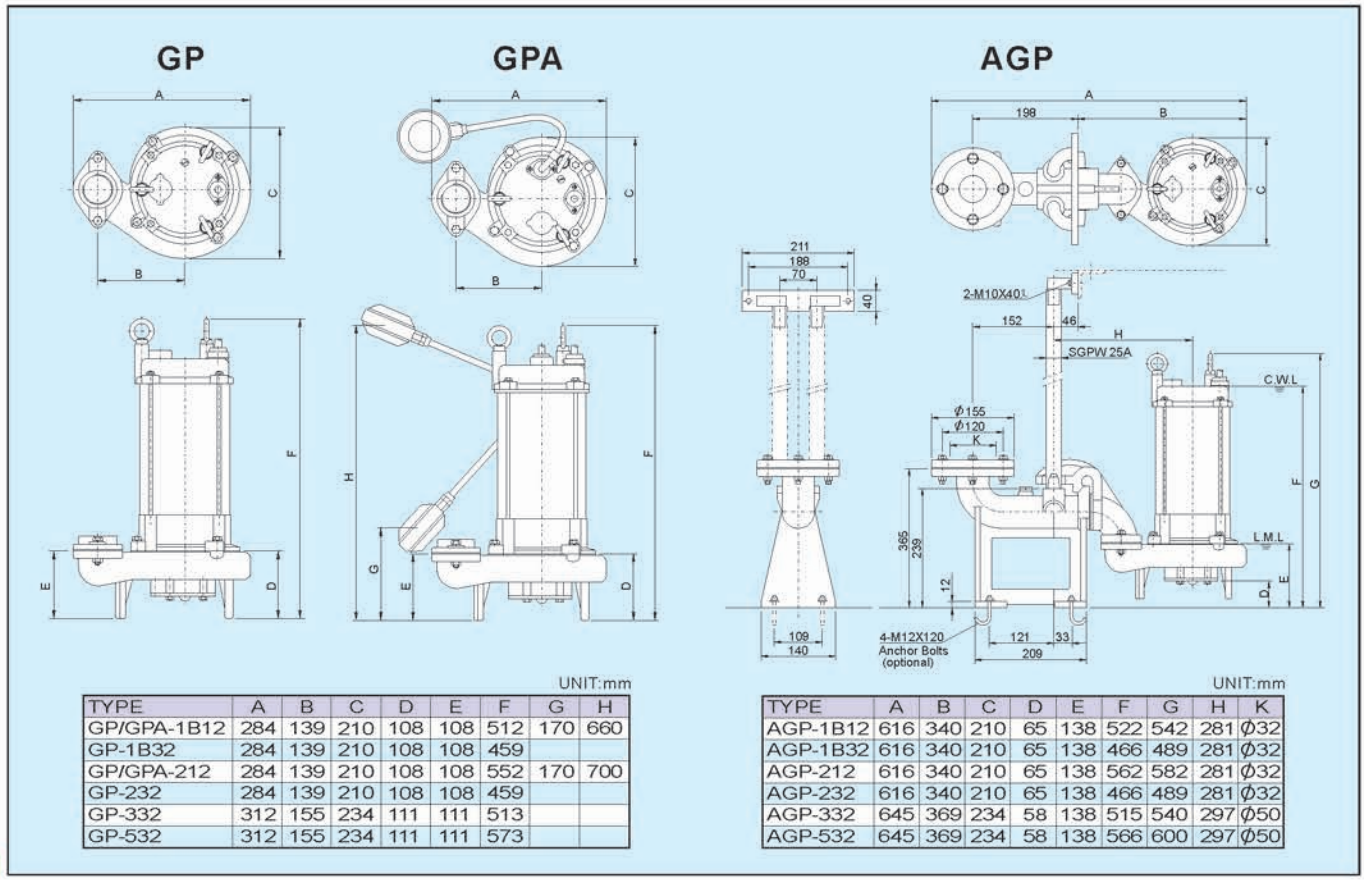
型式 TYPE			電動機 MOTOR 馬力 Power		相數 Phase	電壓 Volt	口徑 Discharge Dia.		50 Hz 最高揚程 Max. Head	50 Hz 最大水量 Max. Flow	60 Hz 最高揚程 Max. Head	60 Hz 最大水量 Max. Flow	電纜 Cable	重量 Weight kG	
GP	GPA	TOS-GP	HP	kW	PH	V	Inch	mm	M	m³/min	M	m³/min	mm²xM	GP	TOS
GP-1B12	GPA-1B12	TOS-32-GP	1-1/2	1.1	1	200~240	1-1/4"	32	15	0.19	15	0.18	3.5² X10	31	18.2
GP-1B32		TOS-32-GP			3	200~480								30	
GP-212	GPA-212	TOS-32-GP	2	1.5	1	200~240	1-1/4"	32	22	0.2	23	0.19	3.5² X10	37	18.2
GP-232		TOS-32-GP			3	200~480								34	
GP-332		TOS-50-GP	3	2.2	3	200~480	2"	50	21	0.40	22	0.36	3.5² X10	48	18
GP-532		TOS-50-GP	5	3.7	3	200~480	2"	50	28	0.43	30	0.40	3.5² X10	50	18

※ GP : Manual Type GPA : Automatic Type TOS-GP : Guide Rail Kit

■ PERFORMANCE CURVES



■ DIMENSIONS



UNIT:mm

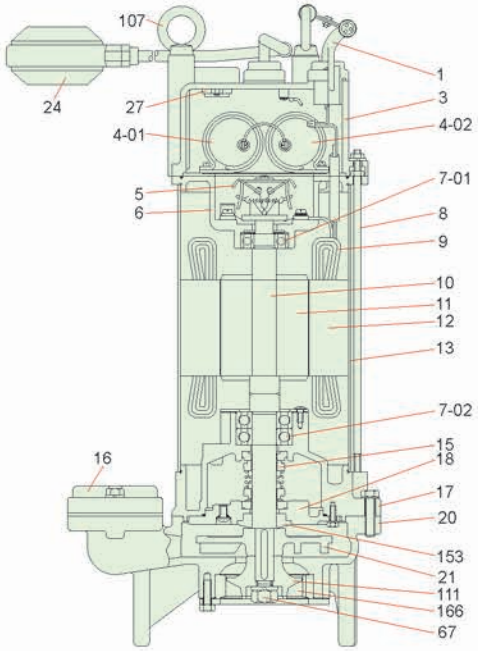
TYPE	A	B	C	D	E	F	G	H
GP/GPA-1B12	284	139	210	108	108	512	170	660
GP-1B32	284	139	210	108	108	459		
GP/GPA-212	284	139	210	108	108	552	170	700
GP-232	284	139	210	108	108	459		
GP-332	312	155	234	111	111	513		
GP-532	312	155	234	111	111	573		

UNIT:mm

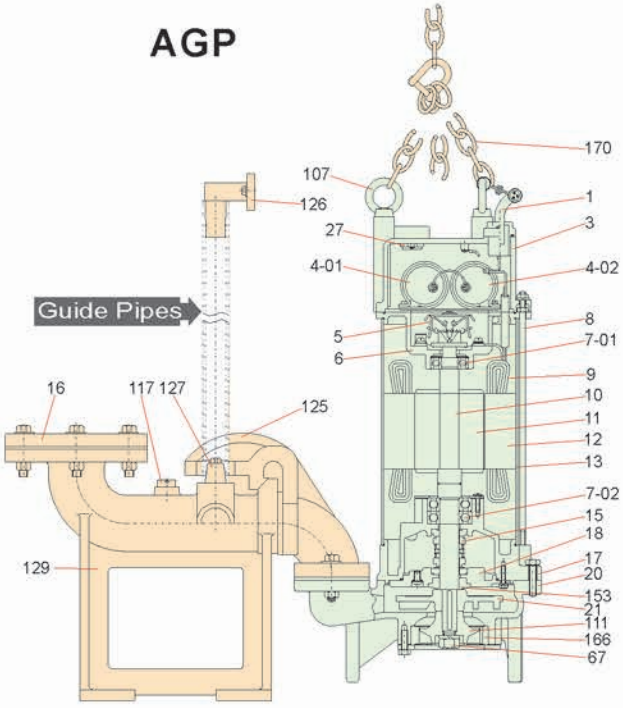
TYPE	A	B	C	D	E	F	G	H	K
AGP-1B12	616	340	210	65	138	522	542	281	φ32
AGP-1B32	616	340	210	65	138	466	489	281	φ32
AGP-212	616	340	210	65	138	562	582	281	φ32
AGP-232	616	340	210	65	138	466	489	281	φ32
AGP-332	645	369	234	58	138	515	540	297	φ50
AGP-532	645	369	234	58	138	566	600	297	φ50

■ CONSTRUCTIONS

GP/GPA



AGP



TOS-GP kit + GP pump = AGP

NO.	NAME OF PARTS	中文名稱	MATERIAL	
			GP/GPA	AGP
1	Cable	電纜線	V.C.T.	V.C.T.
3	Motor head cover	馬達上蓋	Cast iron	Cast iron
4-01	Running capacitor	電容器		
4-02	Starting capacitor	電容器		
5	Centrifugal switch	離心開關		
6	Upper bracket	馬達內盤	Cast iron	Cast iron
7-01	Bearing	軸承		
7-02	Bearing	軸承	SUS 304	SUS 304
8	Bolt	長螺絲	SUS 304	SUS 304
9	Coil	馬達線圈		
10	Shaft	主軸	SUS 304	SUS 304
11	Rotor	轉子	Steel plate	Steel plate
12	Stator	靜子	Steel plate	Steel plate
13	Motor casing	馬達中框	SUS 304	SUS 304
15	Mechanical seal	機械軸封	Ceramic + Carbon	
16	Flange setter	法蘭途	Cast iron	Cast iron
17	Motor lower cover	馬達下蓋	Cast iron	Cast iron
18	Mechanical seal cover	細日盤	Cast iron	Cast iron
20	Pump casing	水機	Cast iron	Cast iron
21	Impeller	水葉	Cast iron	Cast iron
24	Float Switch	浮球開關	fo GPA only	
27	Thermal protector	電流保護開關		
67	Nut	螺帽	SUS304	SUS304
107	Eye Bolt	環首螺栓	SUS304	SUS304
111	Grinder	切刀	SCM 440	SCM 440
117	Vented Screw	透氣螺栓		P. Steel
125	Guide connector	脫架固定勾		Cast iron
126	Upper guide support	固定桿托架		Cast iron
127	Lower guide support	固定桿托塊		Cast iron
129	Duck foot bend	脫架本座		Cast iron
153	Sand proof trap	防砂帽	NBR	NBR
166	Fixed blade	固定切刀	SCM 440	SCM 440
170	Lifting chain set	鏈條組		SUS 304

■ SPECIFICATION of Guide Rail Kit,TOS-GP

TYPE	Discharge bore		Designed for	Weight
TOS-32-GP	1-1/4"	32 mm	GP-1B12/1B32/212/232	18.2 kG
TOS-50-GP	2"	50 mm	GP-332, GP-532	18 kG

Customer can order TOS-GP kit to convert GP pump into AGP.
For example: GP-1B12+ TOS-32-GP = AGP-1B12
GP-532 + TOS-50-GP = AGP-532

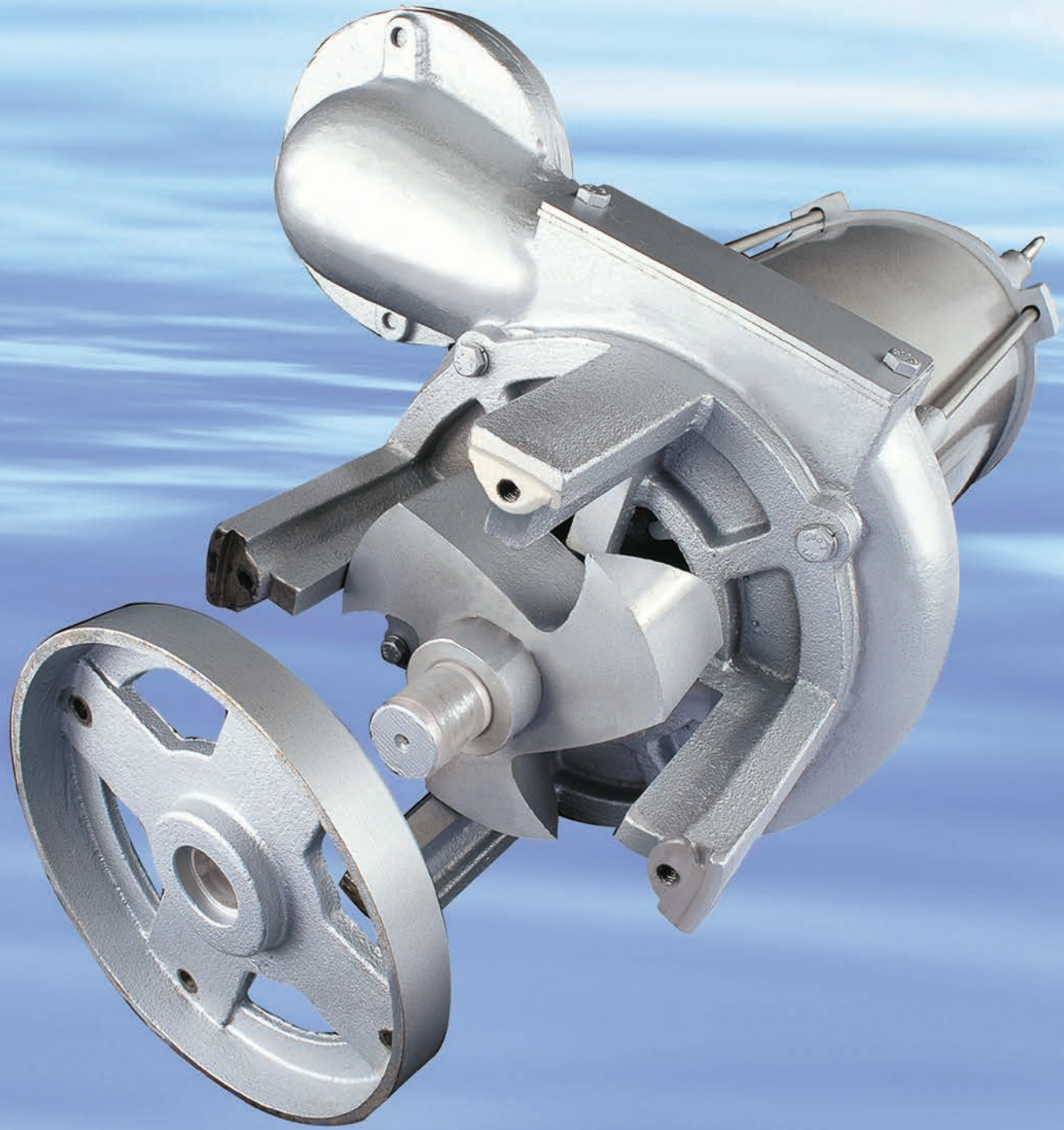
■ Standard Accessories of TOS-GP Kit

Part No.	Description \ Discharge bore	1-1/4" (32 mm)	2" (50 mm)	Material
126	Upper guide support 固定桿托架	1.5 kg	1.5 kG	Cast iron
125	Guide connector 脫架固定勾	2.7 kg	2.7 kG	Cast iron
170	Lifting chain with shackle 鏈條組	4 m	4 m	SUS 304
129	Duck foot bend 脫架本座	12 kg	12 kG	Cast iron

※ The guide pipes are not included in the package of guide rail kit.

SHOWFOU GRINDER PUMPS

GPQ type Submersible Stainless Grinder Pump



■ Features:

1. The powerful integrated grinding mechanism particularly for grinding larger and heavier piece such as the poultry bones at the waste of the restaurant or the untreated sewage with larger hard solid inside.

2. The hard stainless steel made grinder and impeller together with the high torque motor perform the optimal grinding performance.

3. Special servicing hole situated at the side of the pump casing provide the easy checking and cleaning function during the maintenance.

4. The triplex seals- Double mechanical seal plus an oil seal to isolate the motor from the sewage.

5. Unique Epoxy Cable Sealing Base ensures 100% capability to block the water vapor from entering the motor even the cable breaks.

6. Equipped with a self-reset circle thermal protect or to prevent over-loading, locking of the impeller, and scorch damage to the motor from phase failure.

7. Using dual ball bearing on the bottom of the motor to support the axial push.

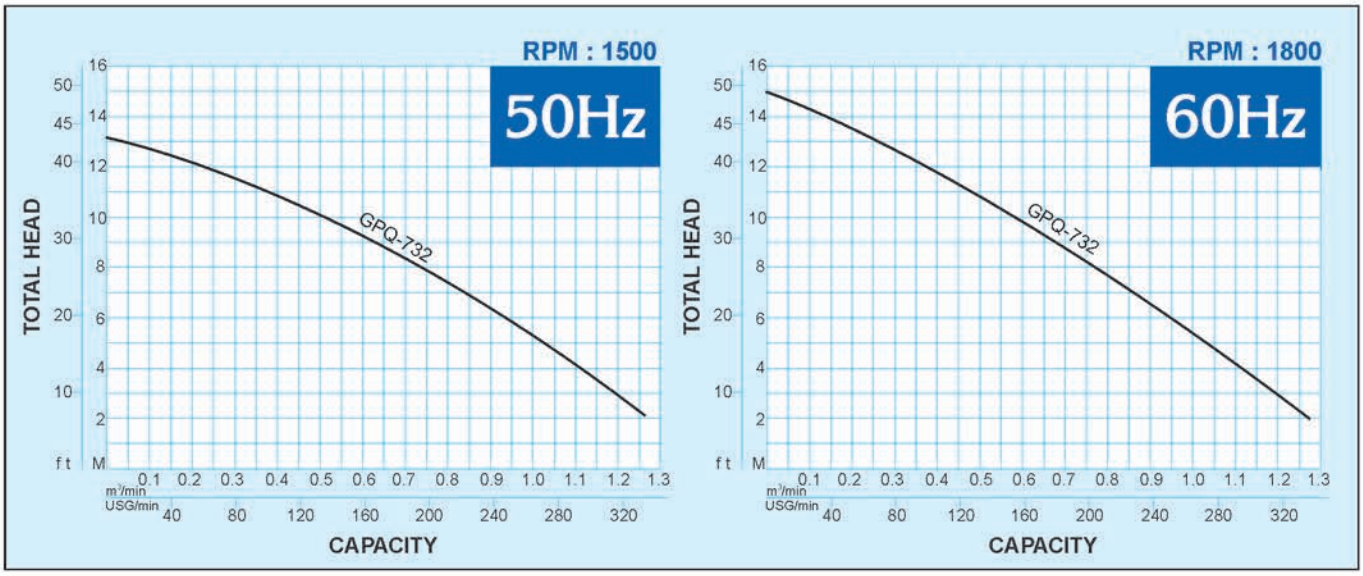
Poultry bones

■ SPECIFICATIONS

型式 TYPE	電動機 MOTOR				口徑 Discharge Dia.		50 Hz		60 Hz		電纜	重量
	馬力 Power		相數 Phase	電壓 Volt			最高揚程 Max. Head	最大水量 Max. Flow	最高揚程 Max. Head	最大水量 Max. Flow	Cable	Weight
GPQ	HP	kW	PH	V	Inch	mm	M	m³/min	M	m³/min	mm²x M	kG
GPQ-732	7-1/2	5.5	3	200~480	3"	80	13	1.25	15	1.28	5.5²X10	83.5

※ GPQ: Manual Type - Full Stainless Grinder Pump

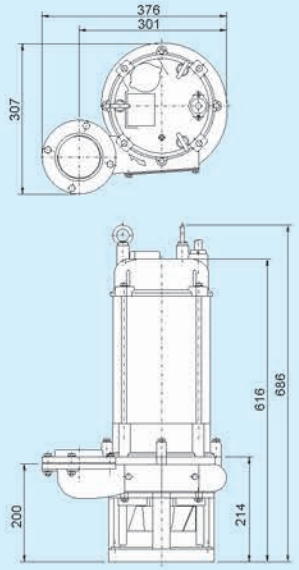
■ PERFORMANCE CURVES



■ DIMENSIONS

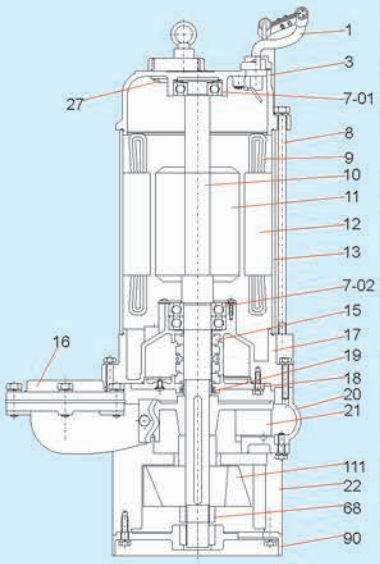
GPQ

UNIT:mm



■ CONSTRUCTIONS

GPQ



NO.	NAME OF PARTS	中文名稱	MATERIAL
1	Cable	電纜線	V.C.T
3	Motor head cover	馬達上蓋	SUS 304
7-01	Bearing	軸承	
7-02	Bearing	軸承	
8	Bolt	長螺絲	SUS 304
9	Coil	馬達線圈	
10	Shaft	主軸	SUS 410
11	Rotor	轉子	Steel plate
12	Stator	靜子	Steel plate
13	Motor casing	馬達中框	SUS 304
15	Mechanical seal	機械軸封	Ceramic+Carbon
16	Flange setter	法蘭途	SUS 304
17	Motor low cover	馬達下蓋	SUS 304
18	Mechanical seal cover	細日盤	SUS 304
19	Oil seal	油封	NBR
20	Pump casing	水機	SUS 304
21	Impeller	水葉	SUS 304
22	Suction cover	吸水盤	SUS 304
27	Thermal protector	電流保護開關	
68	Nut	(公)螺帽	Gun metal
90	Motor base	馬達腳座	SUS 304
111	Grinder	切刀	SUS 304

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