

Cautions when installing / piping YD-GS [H] / GSF series

1) Caution when installing

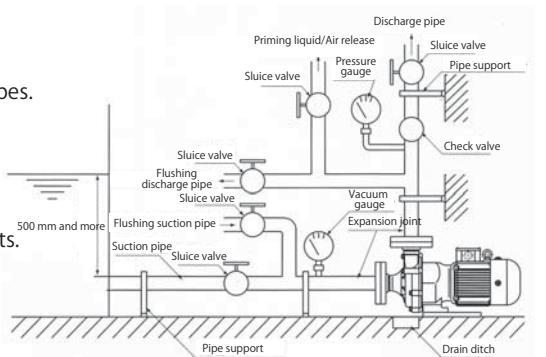
- ① If a large amount of air enters during operation, pumping failure occurs and causes the pump trouble.
- Locate that the liquid level in a tank is 50 cm and more higher than the suction inlet of the pump.
- Do not make spaces in the suction pipe where air accumulates or install up and down piping.
- Install the suction pipe on the 1/100 and more up grade to the pump.
- ② Place the strainer at the suction pipe to prevent dust and foreign objects enter.
However, clean the strainer periodically to prevent clogging and minimize loss resistance.
- ③ It is recommended to place check valves at the discharge rising pipe to prevent water hammer as follows.
Bypass pipes are also recommended to place underneath for air release.
- The discharge pipe is long and the total head is 10 m and more.
- The tip of the discharge pipe is 9 m and more higher than the suction tank.
- The piping condition to use 2 and more pumps in parallel.
- ④ Install bendings and expansion joints not to leak liquid by the pump deformation for the pipes' heat expansion.
- ⑤ Main parts inside the pump are made of plastic. Handle them with care not to make an impact.

2) Prohibition on uneven tightening and overtightening flange

- ① Align the pipe flange parallel to the pump flange and do not tighten bolts excessively.
- ② When piping, adjust the assembling dimensions.
If assemble while not fit in, the pump casing may be damaged.
- Moreover, uneven tightening may cause liquid leakage from packings. Tighten it diagonally and evenly.

3) Prohibition on piping load

- ① Be completely subjected to a piping load by pipe supports.
- ② When the temperature of liquid is high (40°C and more), install bendings and expansion joints not to be applied a load to the pump by heat expansion of pipes.
- ※ Especially, metal pipes are often used for strong sulfuric acid and caustic soda and obey the above prohibitions ② & ③.



4) Minimum flow rate

During operation, secure the following minimum flow rate to cool the sliding parts.

- Motor output 0.18 ~ 0.26kW : 5 L/min.
- Motor output 0.4 ~ 0.75kW : 10 L/min.
- Motor output 1.5 ~ 3.7kW : 20 L/min.

 Comprehensive Manufacturer of Environmental Equipment
Challenging the Liquid Transfer Technology,
WorldChemical Co., Ltd.

URL <http://www.wcc.co.jp/>
E-mail chemical@wcc.co.jp

Head office
3F., ANTEX24, 1-1-14 Taito, Taito-ku,
Tokyo, 110-0016 Japan
Phone +81-3-5818-5130 **FAX** +81-3-5818-5131

Domestic dept. +81-3-5818-5130 +81-3-5818-5131
Overseas dept. +81-3-5818-5134 +81-3-5818-5131

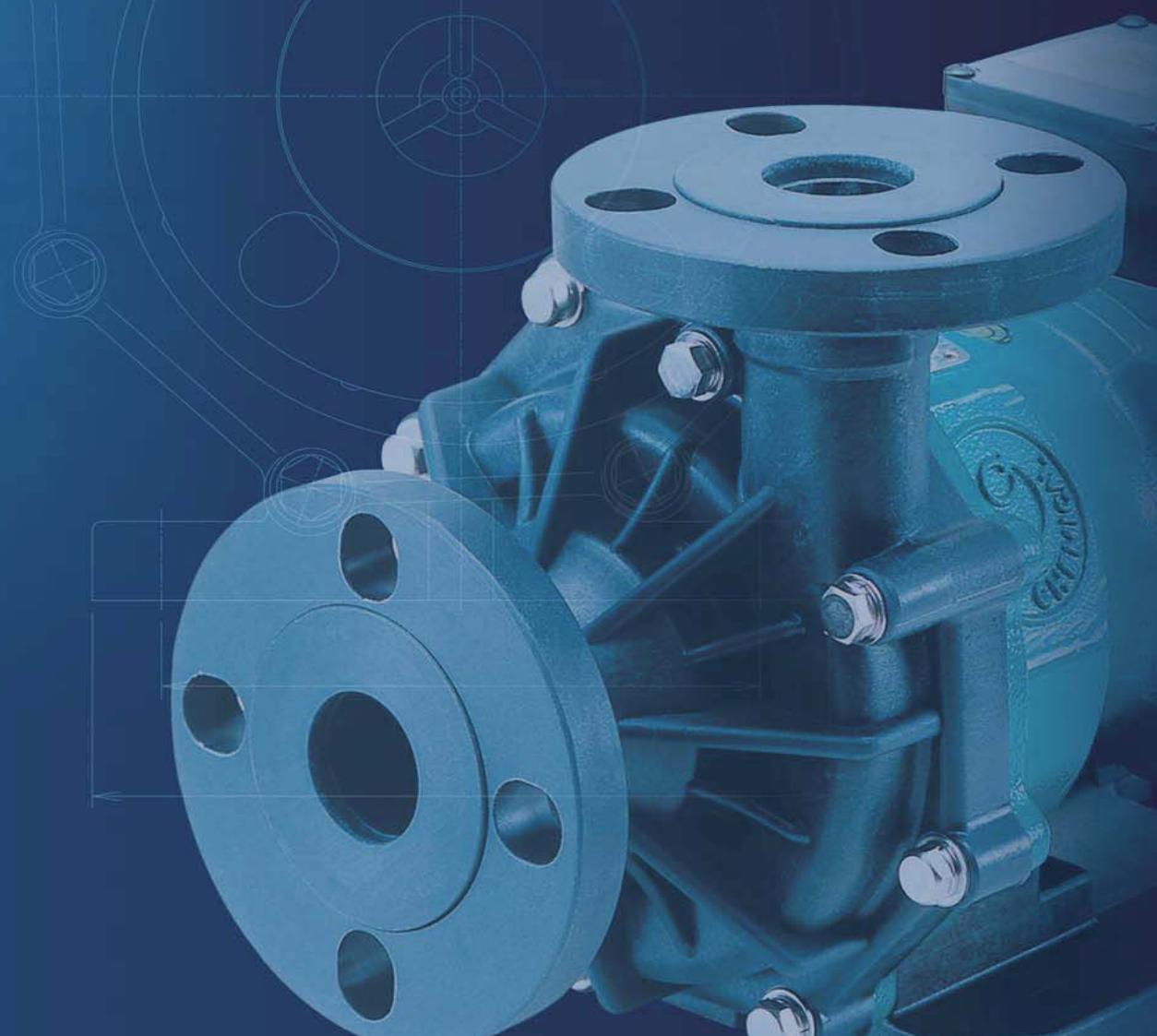
Nagoya office
4F, Daiei bldg., 1-11-20 Nishiki, Naka-ku,
Nagoya-shi, Nagoya, 460-0003 Japan
Phone +81-52-253-8426 **FAX** +81-52-253-8436

■ Note:



GS series

High head magnet drive pump **CHEMIFREE**



 **WorldChemical Co., Ltd.**



300 series

- Low power consumption is achieved because the motor has better efficiency.
- 50/60Hz in common use.
- Small and light design.
- Fluoro-rubber (FKM) O-ring is adopted as standard.



p.4

Type	Model	Bore (mm)		Standard performance (m - L/min.)				Output (W)	Output (W)	Voltage (V)			
		Suc.	Dis.	50Hz		60Hz							
				Std. spec.	Std. S.G.	Std. spec.	Std. S.G.						
300 GS	YD-3320GS1	G3/4 thread		2 - 30	1.3	3 - 34	1.3	45	60	1PH / 200V			
	YD-3420GS1	G3/4 thread		3 - 31	1.1	3 - 43	1.1	50	75				
	YD-3520GS1	G1 thread		3 - 40	1.2	5 - 40	1.2	80	120				
	YD-3720GS1	G1 thread		4 - 50	1.1	6 - 51	1.1	120	160				



16/20series

- Our original impeller is equipped.
 - Durability and low price are achieved.
 - YD-GSF series (ETFE) is available for specific gravity until 1.9.
- The equipped exclusive motor is durable.
 - The motor has a terminal box as standard.
 - Oil seal is installed to prevent the invasion of gas and mist.
 - Thermal protector is incorporated to prevent overload operation.



p.6

Type	Model	Bore (mm)		Standard performance (m - L/min.)				Output (kW)	Voltage (V)		
		Suc.	Dis.	50Hz		60Hz					
				Std. spec.	Std. S.G.	Std. spec.	Std. S.G.				
GS	YD-16X8GS1	20A	16A	5 - 50	1.1	6.5 - 60	1.1	0.18	3PH / 200V		
	YD-20A6GS1	20A	20A	7 - 60	1.4	9.5 - 70	1.1	0.26	1PH / 100V		
	YD-20Y6GS1	20A	20A	7 - 60	1.4	9.5 - 70	1.1	0.26	3PH / 200V		
(High lift)	YD-16A6GSH1	20A	16A	12 - 24	1.1	17 - 25	1.1	0.26	1PH / 100V		
	YD-16Y6GSH1	20A	16A	12 - 24	1.1	17 - 25	1.1	0.26	3PH / 200V		
	YD-20A6GSH1	20A	20A	9.5 - 70	1.1	-	-	0.26	1PH / 100V		
	YD-20Y6GSH1	20A	20A	9.5 - 70	1.1	-	-	0.26	3PH / 200V		
GSF	YD-16X8GSF1	20A	16A	5 - 60	1.2	5 - 60	1.2	0.18	3PH / 200V		
	YD-20A6GSF1	20A	20A	7.5 - 70	1.2	8 - 70	1.2	0.26	1PH / 100V		
	YD-20Y6GSF1	20A	20A	7.5 - 70	1.2	8 - 70	1.2	0.26	3PH / 200V		



2500 series

- The lineup is from 0.4kW to 2.2kW. It contributes to a cost reduction for piping works.
- It is suitable for high pressure washing. Widely used for washing that the pressure is more important than capacity.
- Even with IE3 motor, the size & weight are the same as with IE1 motor. Since the size and weight are the same, there are no installation conditions when replacing the existing pump.



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Type	Model	Bore (mm)		Standard performance (m - L/min.)				Output (kW)	Voltage (V)		
		Suc.	Dis.	50Hz		60Hz					
				Std. spec.	Std. S.G.	Std. spec.	Std. S.G.				
GS	YD-2500GS1			14 - 50	1.0	14 - 50	1.0	0.4	3PH / 200V		
	YD-2501GS3			21 - 50	1.0	21.5 - 50	1.0	0.75	3PH / 200V		
	YD-2502GS3			25.5 - 50	1.3	34 - 50	1.0	1.5	3PH / 200V		
	YD-2503GS3			-	-	37 - 50	1.1	2.2	3PH / 200V		
	YD-4000GS1			11 - 100	1.05	11 - 100	1.05	0.4	3PH / 200V		
	YD-4001GS3			15 - 150	1.05	15 - 150	1.05	0.75	3PH / 200V		
	YD-4002GS3			19 - 200	1.1	19 - 200	1.1	1.5	3PH / 200V		
	YD-4003GS3			23 - 200	1.1	25 - 200	1.1	2.2	3PH / 200V		
	YD-4003GSH3			32 - 100	1.1	33 - 100	1.1	2.2	3PH / 200V		
	YD-4005GS3			25 - 200	1.4	34 - 200	1.1	3.7	3PH / 200V		
GSH	YD-5005GS3	65	50	20 - 500	1.1	20 - 500	1.1	3.7	3PH / 200V		
	YD-2500GSF1			9 - 50	1.2	9 - 50	1.2	0.4	3PH / 200V		
	YD-2501GSF3			16.5 - 50	1.2	15 - 50	1.2	0.75	3PH / 200V		
	YD-2502GSF3			24 - 50	1.2	26 - 50	1.2	1.5	3PH / 200V		
	YD-2503GSF3			23.5 - 50	1.9	33 - 50	1.2	2.2	3PH / 200V		
	YD-4000GSF1			8.5 - 100	1.2	9 - 100	1.2	0.4	3PH / 200V		
	YD-4001GSF3			12 - 150	1.2	11.5 - 150	1.2	0.75	3PH / 200V		
	YD-4002GSF3			18 - 200	1.2	17.5 - 200	1.2	1.5	3PH / 200V		
	YD-4003GSF3			21 - 200	1.2	22.5 - 200	1.2	2.2	3PH / 200V		
GSF	YD-4005GSF3			25 - 200	1.3	30 - 200	1.2	3.7	3PH / 200V		



4000/5000 series

- Real value in space saving Ideal for line design where installation space is concern.
- Big capacity magnet pump Ideal for mass transfer of a wide range of chemical liquids.
- Even with IE3 motor, the size & weight are the same as with IE1 motor. Since the size and weight are the same, there are no installation conditions when replacing the existing pump.



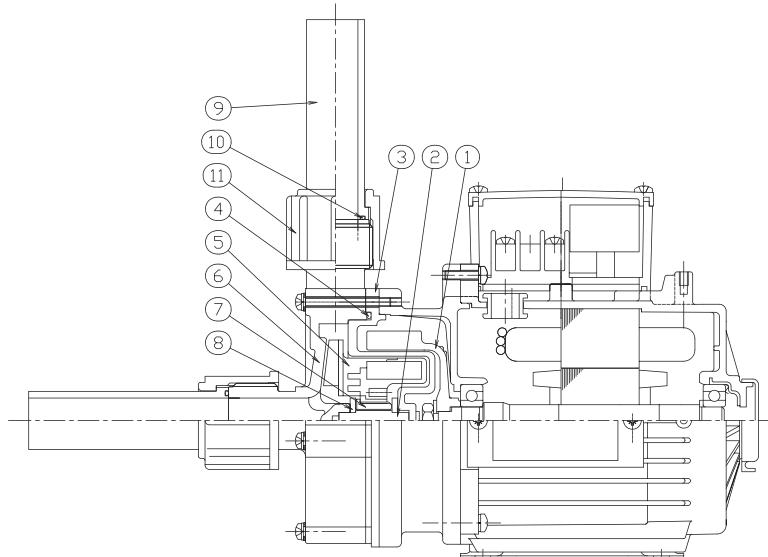
Model description

* The limited S.G. differs according to the model. Refer to the specification and performance.

YD - 3320 GS 1 - GP - RD 71

①	Model
②	Motor type 1 : IE 1
③	Main material GP : GFR PP
④	Bearing material R : PTFE
⑤	O-ring material D : FKM
⑥	50/60Hz in common
⑦	Limited S.G. 1 : 1.1 2 : 1.2 3 : 1.3

Cross-sectional drawing



No.	Part name	Qty	Material
1	Magnet housing	1	Plastic magnet
2	Pump shaft	1	Alumina ceramics
3	Back casing	1	GFR-PP
4	O-ring for casing	1	FKM
5	Impeller	1	GFR-PP
6	Casing	1	GFR-PP
7	Bearing	1	PTFE
8	Bearing washer	2	Alumina ceramics
9	Union socket	2	PVC
10	O-ring for union soc.	2	FKM
11	Union nut	2	GFR-PP

Use

- Washing in plating equipment
- To circulate liquid in a draft chamber
- To circulate liquid in a small scrubber
- To transfer chemical liquid / waste liquid

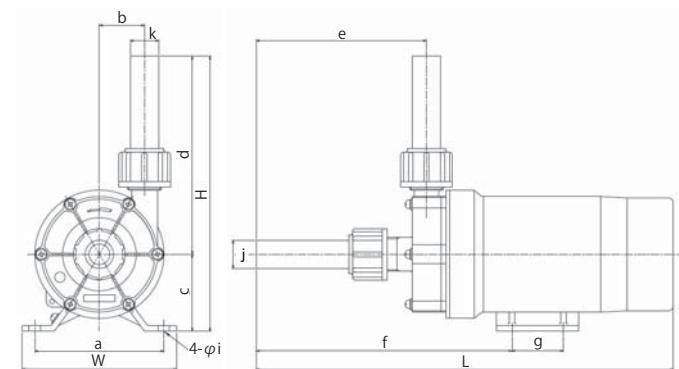
YD-3320GS1
YD-3420GS1



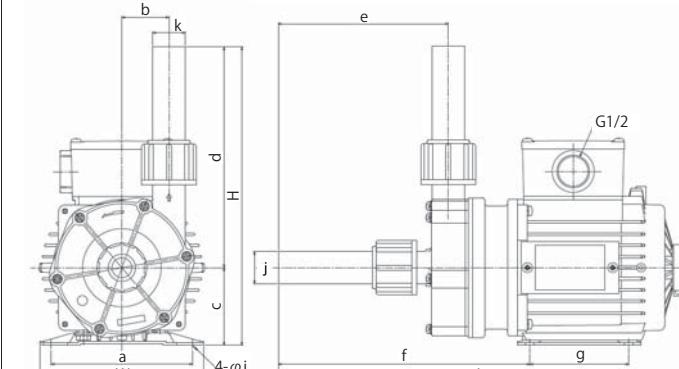
YD-3520GS1
YD-3720GS1

Outline dimension

● YD-3320GS1 / YD-3420GS1



● YD-3520GS1 / YD-3720GS1



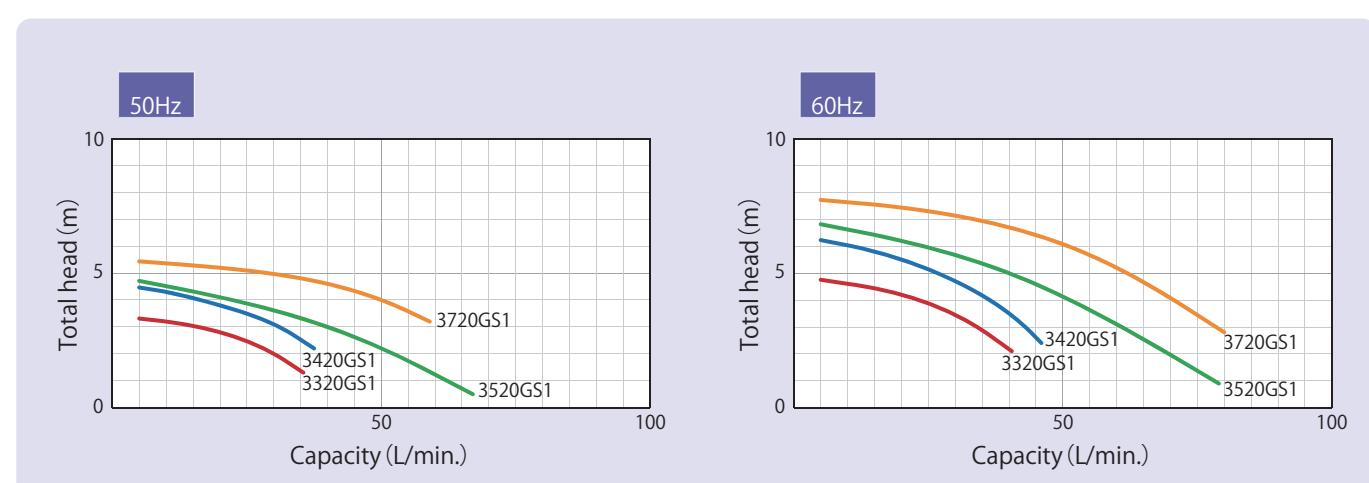
Dimension

Model	W	H	L	a	b	c	d	e	f	g	i	j	k
YD-3320GS1	120	214.5	324.5	100	35	60	154.5	132.5	199	40	9	16A Union	16A Union
YD-3420GS1													
YD-3520GS1	133	242.5	327	100-114	38	63	179.5	137.5	203.5	80	7-19	20A Union	20A Union
YD-3720GS1													

Standard performance

Type	Model	Bore		Standard performance (THD:m - Capacity: L/min.)				Power (W)		Voltage (V)	Weight (kg)	Limit temp. (°C)			
		Suc.	Dis.	50Hz		60Hz									
				Std. spec.	S.G.	Std. spec.	S.G.	50Hz	60Hz						
300 GS	YD-3320GS1	G3/4 thread		2-30	1.3	3-34	1.3	45	60	1PH/200V	3.4	50			
	YD-3420GS1	G3/4 thread		3-31	1.1	3-43	1.1	50	75		3.4				
	YD-3520GS1	G1 thread		3-40	1.2	5-40	1.2	80	120		4.8				
	YD-3720GS1	G1 thread		4-50	1.1	6-51	1.1	120	160		5.4				

Performance curve



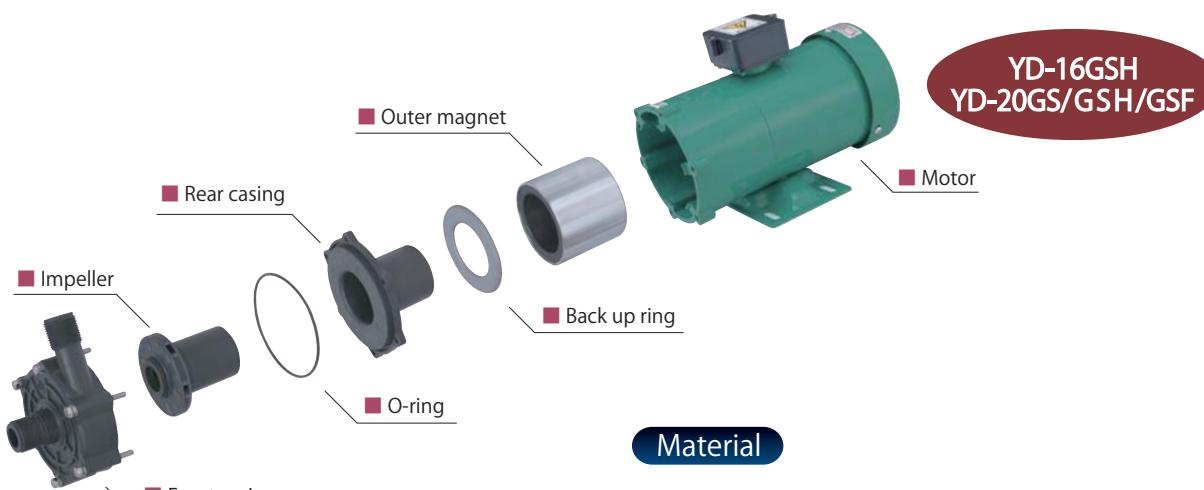
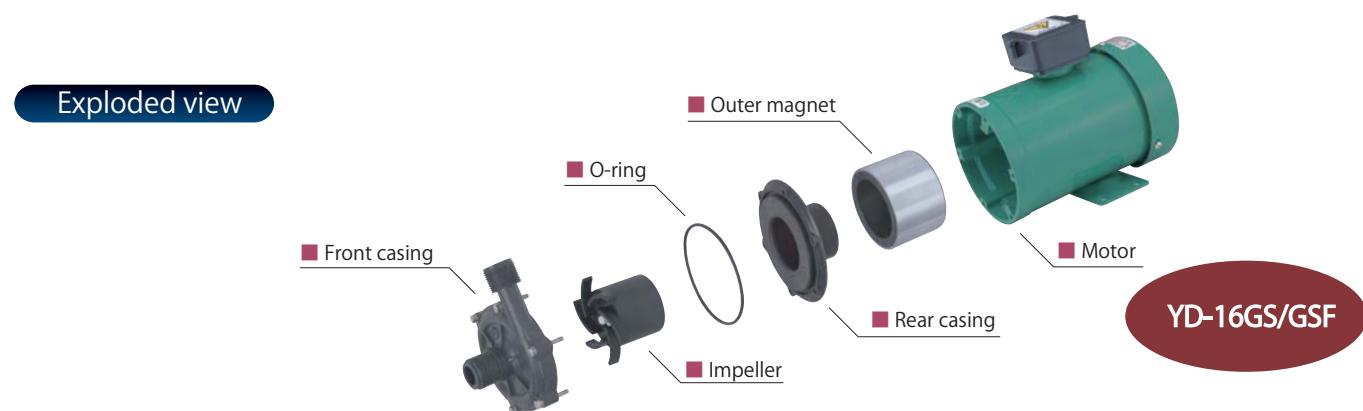
Model description

* The limited S.G. differs according to the model. Refer to the specification and performance.

YD - 16 X8 GS 1 - GP - RD 51 - SS

① Discharge bore 16 : 16 A 20 : 20 A	② Motor output X8 : 0.18 A6 : 0.26 (1PH) Y6 : 0.26	③ Model GS GSH GSF	④ Motor type 1 : IE 1	⑥ Bearing material R : CFR PTFE	⑧ Frequency 5 : 50Hz 6 : 60Hz	⑩ Connection FF : 25A flange SS : G1 thread UU : 20A union
⑤ Main material GP : GFR PP CF : CFR ETFE	⑦ O-ring material E : EPDM D : Dai-el (FPM)	⑨ Specific gravity 1 : 1.1 2 : 1.2 4 : 1.4 5 : 1.5 9 : 1.9				

Exploded view



Material

Part name	Material	
	GS / GSH series	GSF series
Front casing	GFR PP	CFR ETFE
Impeller	(GFR) PP + Magnet	CFR ETFE + Magnet
Rear casing	GFR PP + GFR PPS	CFR ETFE
Outer magnet	Aluminum alloy + Magnet	
Motor	Aluminum light weight motor	
O-ring	EPDM/FPM	
Back up ring	SPCC	

Notice

*GS series : It is regulated by Catch-all. When exporting the pump, please observe the export regulations.

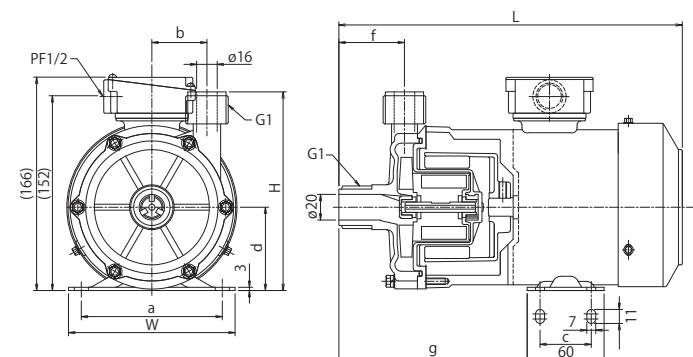
*GSF series : It is regulated by List Control.

When exporting the pump, it requires export license by METI.

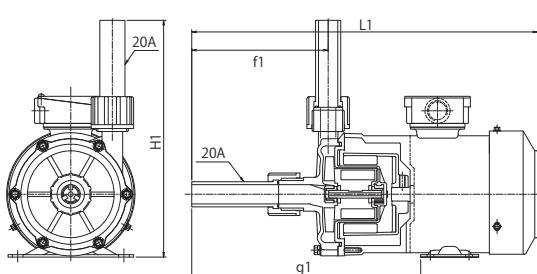
* The exploded view is for only explanation of the structure. Parts are sold as a set.
For more information, please contact us.

Outline dimension

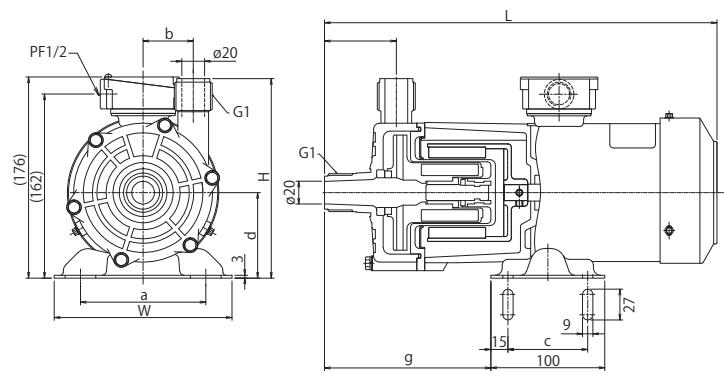
- Connection : SS type (Thread type)
YD-16GS/GSF



- Connection : UU type (Union type)



YD-16GSH / 20GS / 20GSH / 20GSF



Dimension

Model	W	H	L	a	b	c	d	f	g	f1	f2	g1	g2	H1	H2	L1	L2	(mm)
YD-16GS YD-16GSF	130	155	269	110	43	40	65	51	148	143	60	238	155	245	161	360	277	
YD-16GSH YD-20GS YD-20GSH YD-20GSF	156	175	346	110	44	70	75	63	145	153	69	236	152	265	181	435	351	

Impeller

Original design pursuing high efficiency and durability.
Staple of small magnet drive pumps.



- 16GS / GSF: The impeller is open type and integrated with a bearing.
- 16GSH / 20GS (H) / 20GSF: The impeller is closed type and high efficiency.

Exclusive motor (incorporated termal protector)

Various measures considering durability.



- Terminal box as standard.
- Equipped with an oil seal to protect from gas and mist.
- Built-in a termal protector to prevent overload operation.

Standard performance

● Small GS series (Main material : GFR PP)

Model	Connection	Bore		Standard performance (THD: m - Capacity: L/min.)				Power (kW)	Voltage (V)	Weight (kg)	Limit temp. (°C)				
				50Hz		60Hz									
		Suc.	Dis.	Std. spec.	S.G.	Std. spec.	S.G.								
Small GS	YD-16X8GS1-GP-R□△○-	SS	Thread	20A	16A	5-50	1.1	6.5-60	1.1	0.18	3PH/200V	6.2			
		UU	Union	20A	20A		1.4		9.5-70	1.1	0.26	1PH/100V			
		FF	Flange	25A	25A		1.4		9.5-70	1.1	0.26	3PH/200V	8.0		
	YD-20A6GS1-GP-R□△○-	SS	Thread	20A	20A	7-60	1.4	9.5-70	1.1	0.26	1PH/100V	8.9			
		UU	Union	20A	20A		1.4		9.5-70	1.1	0.26	3PH/200V			
		FF	Flange	25A	25A		1.4		9.5-70	1.1	0.26	3PH/200V	8.0		
	YD-20Y6GS1-GP-R□△○-	SS	Thread	20A	20A	7-60	1.4	9.5-70	1.1	0.26	3PH/200V	8.0			
		UU	Union	20A	20A		1.4		9.5-70	1.1	0.26	3PH/200V			
		FF	Flange	25A	25A		1.4		9.5-70	1.1	0.26	3PH/200V	8.0		

※ □ : O-ring material, △ : Frequency, ○ : Allowable specific gravity

● Small GSH series (Main material : GFR PP) (High lift type)

Model	Connection	Bore		Standard performance (THD: m - Capacity: L/min.)				Power (kW)	Voltage (V)	Weight (kg)	Limit temp. (°C)				
				50Hz		60Hz									
		Suc.	Dis.	Std. spec.	S.G.	Std. spec.	S.G.								
Small GSH	YD-16A6GSH1-GP-R□△○-	SS	Thread	20A	16A	12-24	1.1	17-25	1.1	0.26	1PH/100V	8.9			
		UU	Union	20A	16A		1.1		17-25	1.1	0.26	3PH/200V			
		FF	Flange	25A	25A		1.1		17-25	1.1	0.26	3PH/200V	8.0		
	YD-16Y6GSH1-GP-R□△○-	SS	Thread	20A	16A	12-24	1.1	17-25	1.1	0.26	3PH/200V	8.0			
		UU	Union	20A	20A		1.1		17-25	1.1	0.26	3PH/200V			
		FF	Flange	25A	25A		1.1		17-25	1.1	0.26	3PH/200V	80		
	YD-20A6GSH1-GP-R□△○-	SS	Thread	20A	20A	9.5-70	1.1	-	-	0.26	1PH/100V	8.9			
		UU	Union	20A	20A		1.1		-	-	0.26	1PH/100V			
		FF	Flange	25A	25A		1.1		-	-	0.26	3PH/200V	8.0		
	YD-20Y6GSH1-GP-R□△○-	SS	Thread	20A	20A	9.5-70	1.1	-	-	0.26	3PH/200V	8.0			
		UU	Union	20A	20A		1.1		-	-	0.26	3PH/200V			
		FF	Flange	25A	25A		1.1		-	-	0.26	3PH/200V	80		

※ □ : O-ring material, △ : Frequency, ○ : Allowable specific gravity

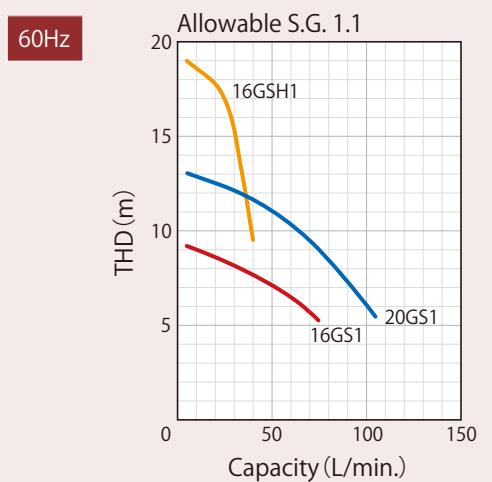
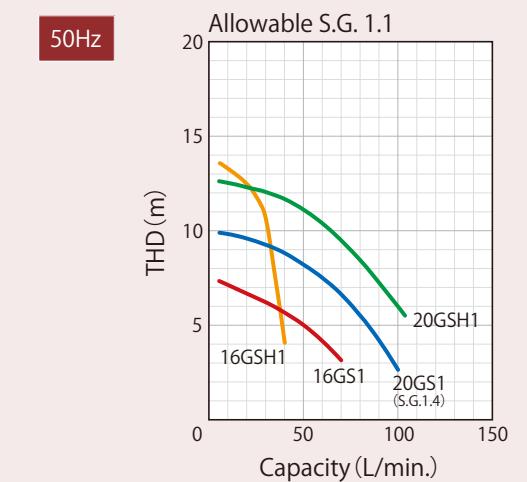
● Small GSF series (Main material : CFR ETFE)

Model	Connection	Bore		Standard performance (THD: m - Capacity: L/min.)				Power (kW)	Voltage (V)	Weight (kg)	Limit temp. (°C)				
				50Hz		60Hz									
		Suc.	Dis.	Std. spec.	S.G.	Std. spec.	S.G.								
Small GSF	YD-16X8GSF1-CF-R□△○-	SS	Thread	20A	16A	5-60	1.2	5-60	1.2	0.18	3PH/200V	6.6			
		UU	Union	20A	20A	4.2-60	1.5	3.9-60	1.5						
		FF	Flange	25A	25A	4.1-50	1.9	3.9-50	1.9						
	YD-20A6GSF1-CF-R□△○-	SS	Thread	20A	20A	7.5-70	1.2	8-70	1.2	0.26	1PH/100V	9.2			
		UU	Union	20A	20A	6.3-70	1.5	6.7-70	1.5						
		FF	Flange	25A	25A	6.5-60	1.9	6.4-60	1.9						
	YD-20Y6GSF1-CF-R□△○-	SS	Thread	20A	20A	7.5-70	1.2	8-70	1.2	0.26	3PH/200V	8.3			
		UU	Union	20A	20A	6.3-70	1.5	6.7-70	1.5						
		FF	Flange	25A	25A	6.5-60	1.9	6.4-60	1.9						

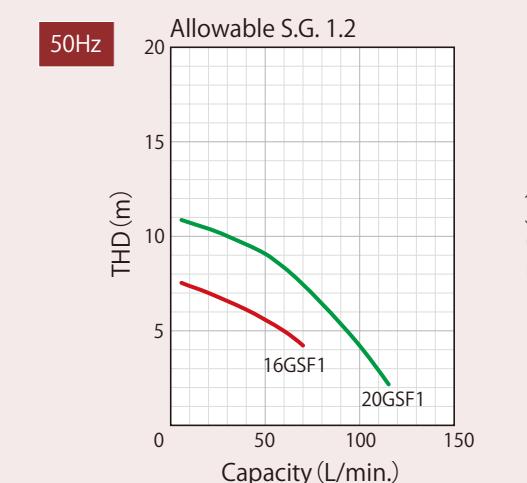
※ □ : O-ring material, △ : Frequency, ○ : Allowable specific gravity

Performance curve

Small GS/GSH series



Small GSF series



Model description

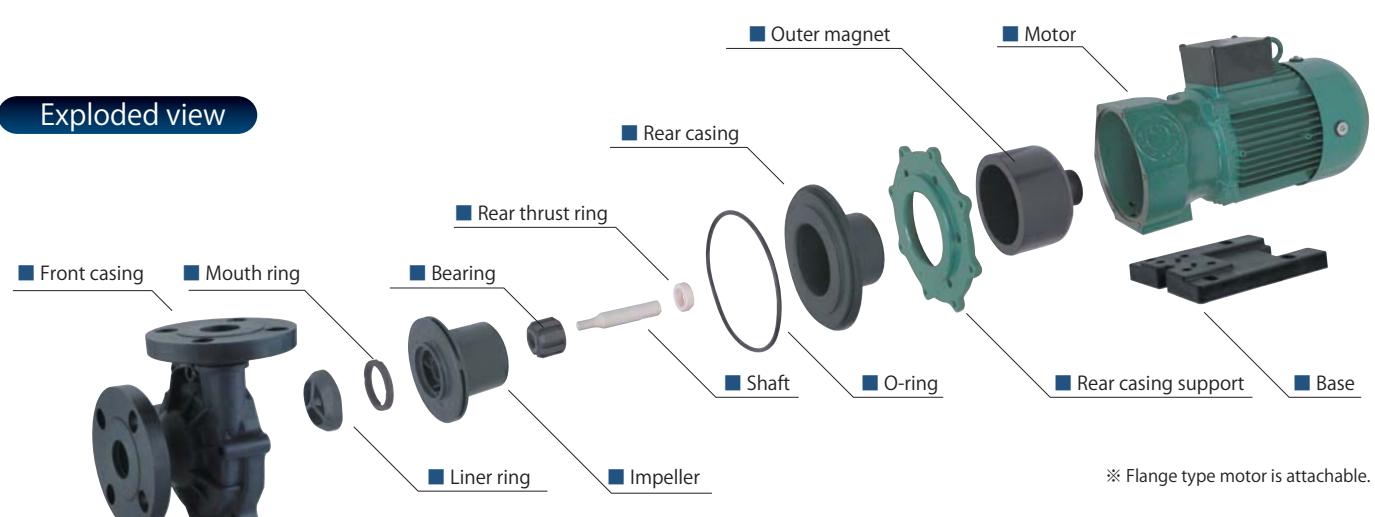
YD - 40 01 GS 3 - GP - KD 51

① Discharge bore 25 : 25 A 40 : 40 A 50 : 50 A	② Motor output 00 : 0.4 01 : 0.75 02 : 1.5 03 : 2.2 05 : 3.7	③ Model GS GSH GSF	④ Motor type 1 : Other than IE3 3 : IE3	⑤ Main material GP : GFR PP CF : CFR ETFE	⑥ O-ring material E : EPDM D : Dai-el (FPM)	⑦ Specific gravity 0 : 1.0 1 : 1.05/1.1 2 : 1.2 3 : 1.3 4 : 1.4 5 : 1.5 6 : 1.6 9 : 1.9
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Bearing material
K : SiC (Standard)

⑧ Frequency
5 : 50Hz
6 : 60Hz

Exploded view



Notice

※ GS series : It is regulated by Catch-all. When exporting the pump, please observe the export regulations.
※ GSF series : It is regulated by List Control. When exporting the pump, it requires export license by METI.

Material

Part name	Material	
	GS/GSH series	GSF series
Front casing	GFR PP	CFR ETFE
Liner ring	Alumina ceramics + GFR PPS	Alumina ceramics + ETFE
Mouth ring	CFR PTFE	
Impeller	(GFR) PP + Magnet	CFR ETFF + Magnet
Bearing	SiC	
Shaft	Alumina ceramics / SiC	
Rear thrust ring	Alumina ceramics / SiC	

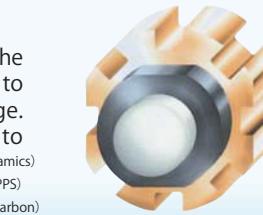
Part name	Material	
	GS/GSH series	GSF series
O-ring for casing	EPDM/FPM	
Rear casing	GFR PP	CFR ETFE
Rear casing support	FC200	
Outer magnet	FCD450-10 + Magnet	
Motor	FC200 + Aluminum frame motor	
Base	GFR PP/FC200	

※ The exploded view is for only explanation of the structure. Parts are sold as a set. For more information, please contact us.

Twofold Measures against dry running

1 Bearing design of heat release & insulation.

When the pump runs dry, friction generates at the sliding parts and the shaft and bearing are raised to high temperature. It cause the pump damage. However, GS series is our original structure to prevent deformation.

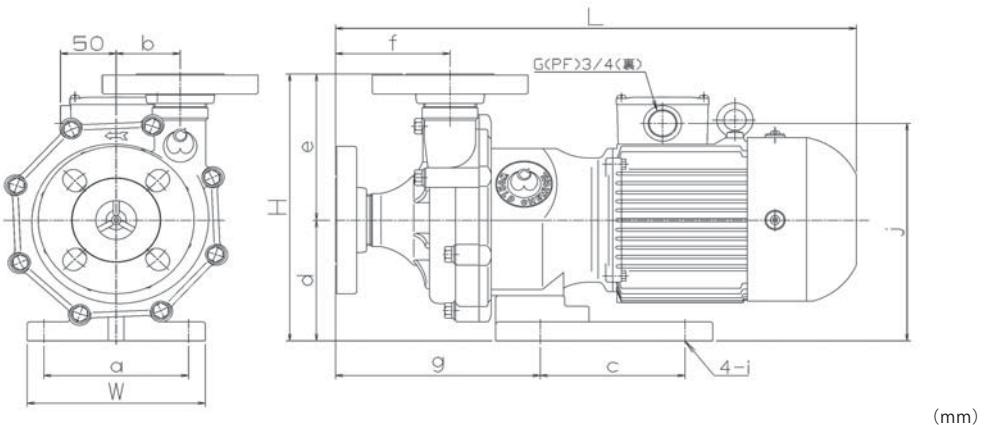


Anti-air lock structure

If air enters, usually it is trapped in a rear casing. However, the rear casing and impeller have the special structure that air is easily moved and exhausted by our air release structure.



Outline dimension



Dimension

Model	W	H	L	a	b	c	d	e	f	g	i	j
YD-2500GS(F1)	160	260	431	130	130	115		145	90	173	ø12	200
YD-2501GS(F3)			457									207
YD-2502GS(F3)	260	261	490	208								
YD-2503GS(F3)					200	116						
YD-4000GS(F1)	140	216	423	110	51	98	95	121	87	150	12-18	180
YD-4001GS(F3)	160	254	468	130	57.5	130	115	139	103	184	ø12	207
YD-4002GS(F3)					261	490	208	65	116	145	89	156
YD-4003GS(F3)					305	498	208			169	93	164
YD-4003GSH3 (50Hz)					296	490	80	200	136		160	
YD-4005GS(F3)					280	531	230	65	135	145		156
YD-5005GS3					331	541	80	261	162	169	92	166

The shaft designed for durability is a both ends support structure.

- The both ends support structure dramatically improved durability of the shaft.
- Well resisted abrasion SiC shaft is available.

A Shaft

Air release structure of the rear casing with measures to prevent air lock.

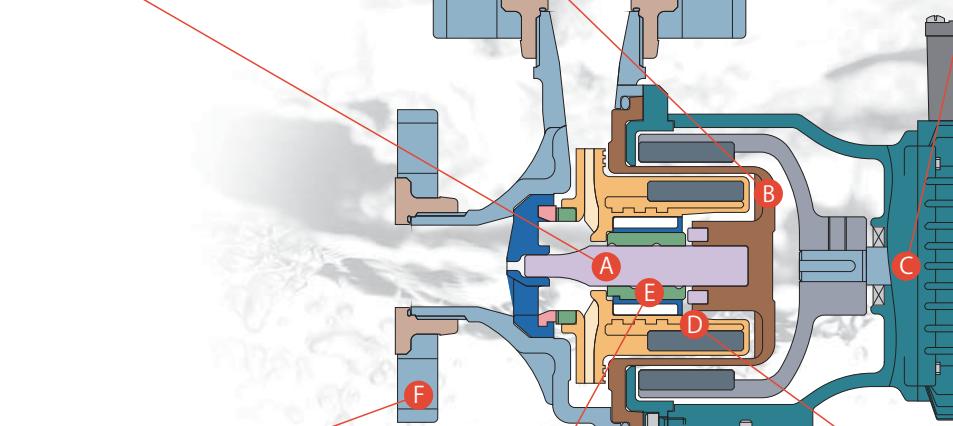
- Air release structure of the rear casing and air accumulation prevention of the impeller fulfill measures against air lock.
- Carbon fiber is adopted to reinforce the rear casing and the pressure resistance is dramatically improved. (1.5kw and more)

B Rear casing

The exclusive motor is an outdoor type as standard. The durability is much improved.

- Reinforced plastic terminal box does not ruin and can be used in a chemical atmosphere. Besides, it is placed at the top of the motor to wire easily.
- Lip seal is attached for measures against gas caused corrosion and liquid leakage. It increases the motor life very much.
- When the inverter for 400V is used, the general purpose motor is supplied.

C Exclusive motor (with Terminal box)



F Loose flange

No need to align bolt holes during installation due to use the loose flange.

- Loose flange is adopted to freely match to the holes on the other side.
- No need to worry about fitting dimension when exchanging with other products.

E Bearing

The bearing material is SiC.

- The fine ceramics SiC bearing has high chemical resistance and wear resistance.

D Impeller & Magnet

The realization of compactification by adopting rear earth magnet. (1.5kW and more)

- Powerful rare earth magnet is adopted. (1.5kW and more) Compact but excellent performance.
- The impeller casted with magnets made it more resistant to reverse rotation and troubles in high temperature area.
- Our original impeller achieves high efficiency.

● GS series (Main material : GFR PP)

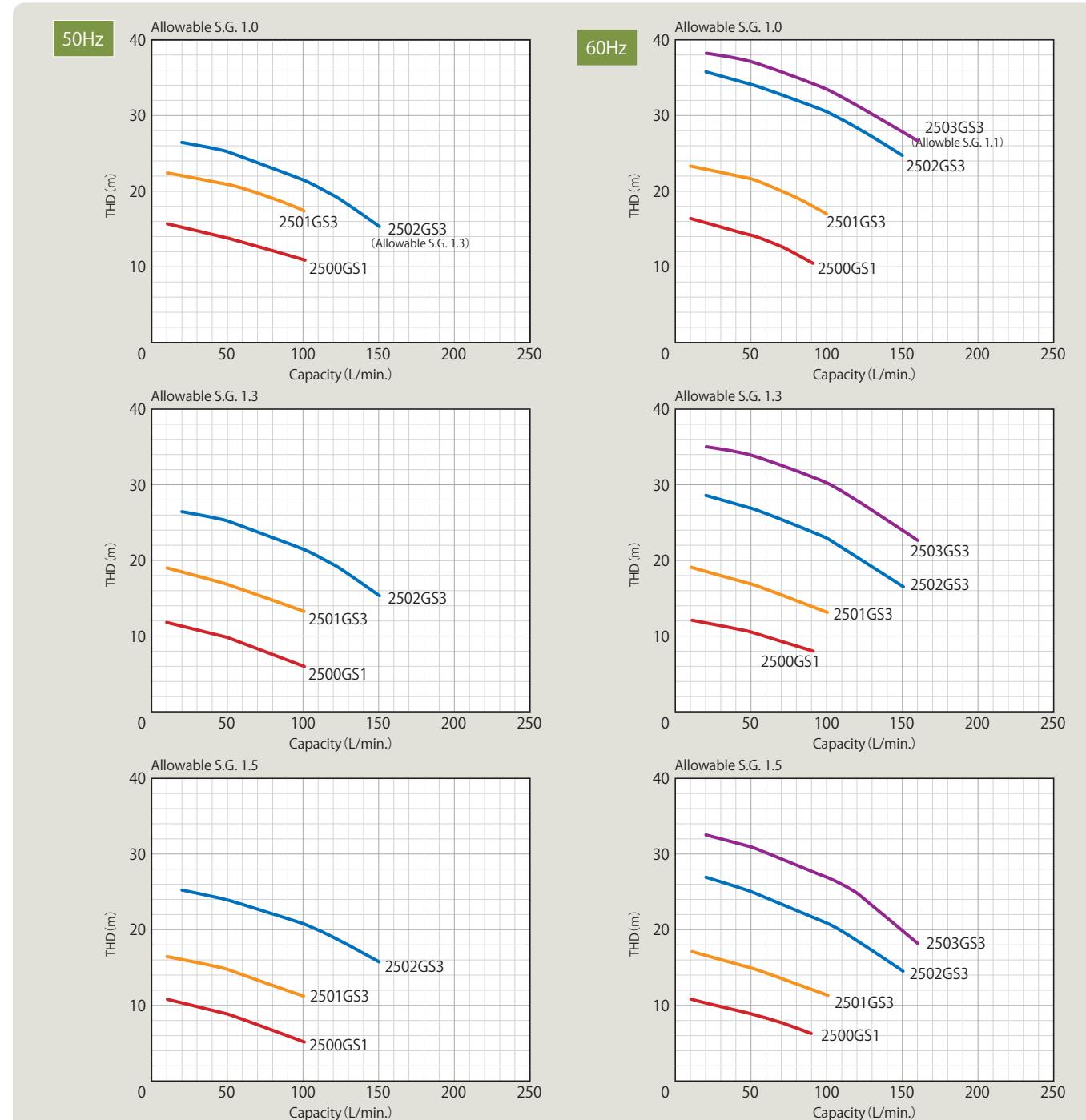
Standard performance

Model	Bore		S.G. limit	Performance		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		THD-Capacity (m - L/min)	50Hz			
YD-2500GS1	25A	25A	1.0	14-50	14-50	0.4	19.5	80
			1.3	10-50	10.5-50			
			1.5	9-50	9-50			
			1.0	21-50	21.5-50			
YD-2501GS3	25A	25A	1.3	17-50	17-50	0.75	21.5	80
			1.5	15-50	15-50			

Model	Bore		S.G. limit	Performance		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		THD-Capacity (m - L/min)	50Hz			
YD-2502GS3	25A	25A	1.0	34-50	34-50	1.5	26.5	80
			1.3	25.5-50	27-50			
			1.5	24-50	25-50			
			1.1	37-50	37-50			
YD-2503GS3	25A	25A	1.3	34-50	34-50	2.2	28.5	80
			1.5	31-50	31-50			

Performance curve

2500GS series



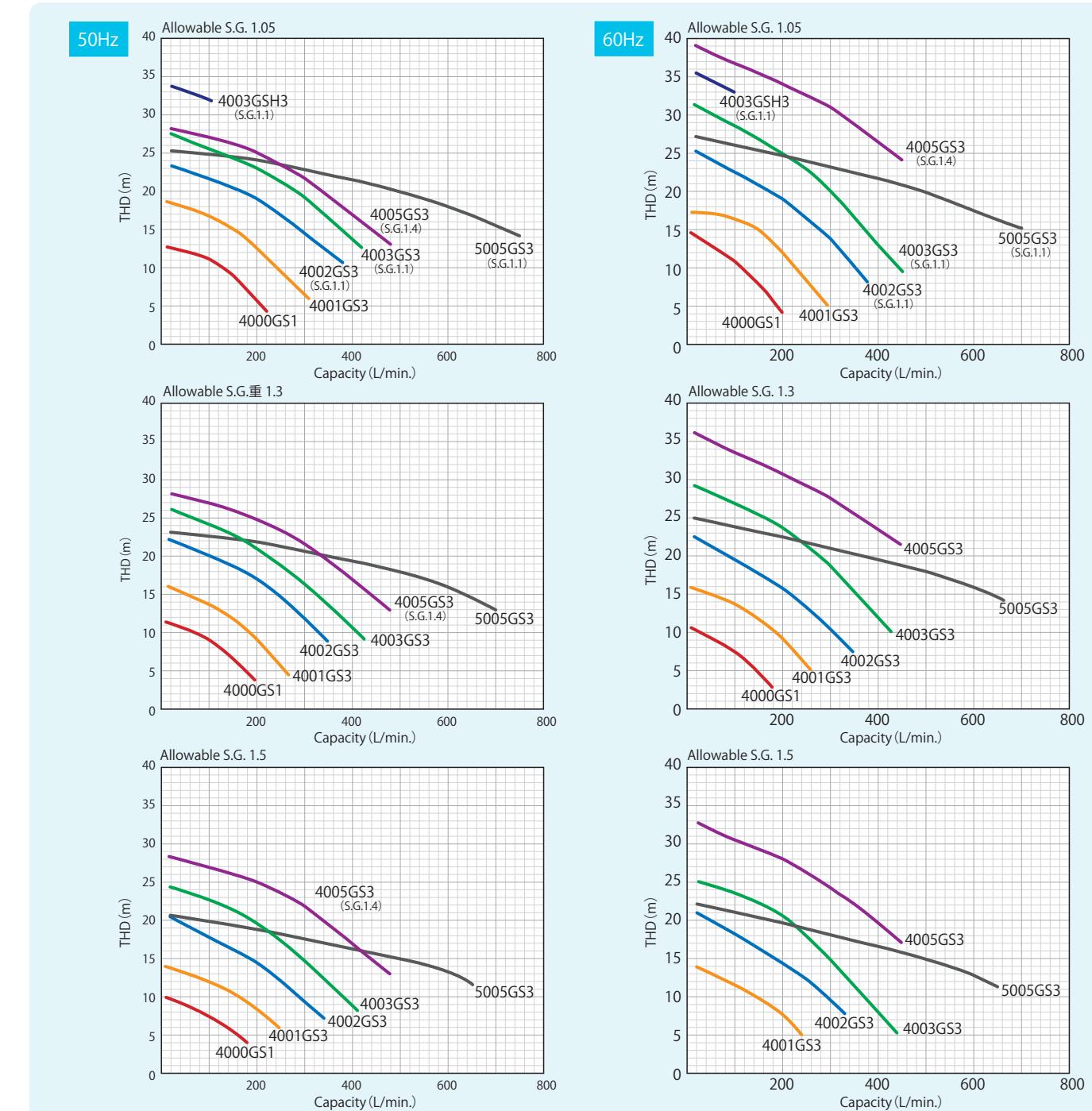
● GS series (Main material : GFR PP)

Standard performance

Model	Bore		S.G. limit	Performance		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		THD-Capacity (m - L/min)	50Hz			
YD-4003GS1	40A	40A	1.05	11-100	11-100	0.4	16.5	80
			1.3	9-100	7.5-100			
			1.5	7.5-100				
			1.05	15-150	15-150			
YD-4001GS3	40A	40A	1.3	12-150	12-150	0.75	19.5	80
			1.5	10.5-150	10-150			
			1.1	19-200	19-200			
YD-4002GS3	50A	40A	1.3	17-200	16-200	1.5	25.5	80
			1.5	14.5-200	14.5-200			

Performance curve

4000/5000GS series



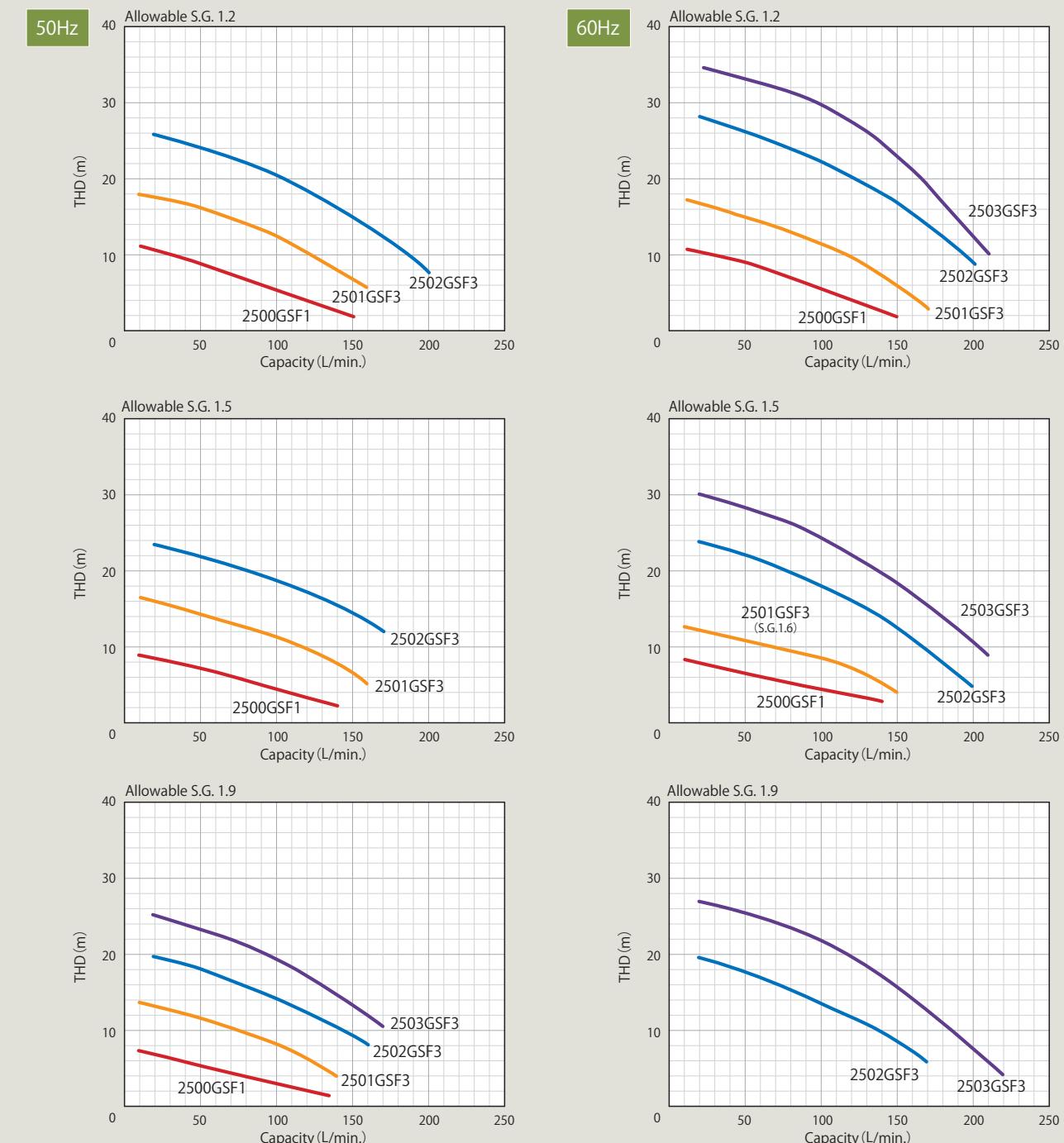
● GSF series (Main material : CFR ETFE)

Standard performance

Model	Bore		S.G. limit	Performance THD-Capacity (m-L/min)		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		50Hz	60Hz			
YD-2500GSF1	25A	25A	1.2	9-50	9-50	0.4	20.5	80
			1.5	7-50	6.5-50			
			1.9	5.5-50	/			
YD-2501GSF3	25A	25A	1.2	16.5-50	15-50	0.75	22.5	80
			1.5	14-50	/			
			1.6	/	11-50			
			1.9	11.5-50	/			
			/	/	/			

Model	Bore		S.G. limit	Performance THD-Capacity (m-L/min)		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		50Hz	60Hz			
YD-2502GSF3	25A	25A	1.2	24-50	26-50	1.5	28.0	80
			1.5	22-50	22-50			
			1.9	18-50	18-50			
YD-2503GSF3	25A	25A	1.2	/	33-50	2.2	30.0	80
			1.5	/	28-50			
			1.9	23.5-50	25.5-50			

Performance curve 2500GSF series



● GSF series (Main material : CFR ETFE)

Standard performance

Model	Bore		S.G. limit	Performance THD-Capacity (m-L/min)		Power (kW)	Weight (kg)	Limit temp. (°C)
	Suc.	Dis.		50Hz	60Hz			
YD-4000GSF1	40A	40A	1.2	8.5-100	9-100	0.4	17.5	80
			1.5	7-100	6-100			
			1.9	5.5-100	/			
YD-4001GSF3	40A	40A	1.2	12-150	11.5-150	0.75	20.5	80
			1.5	9-150	9-150			
			1.9	8-100	9-100			
YD-4002GSF3	50A	40A	1.2	18-200	17.5-200	1.5	27.0	80
			1.5	15-200	14-200			
			1.9	12.5-200	10.5-200			

Performance curve 4000GSF series

