Dragon
Kawamoto Pump

Centrifugal pump series

Standard end suction	In-line single stage pump	In-line pump
Stainless steel	Self-priming	

Ver. 1.5

CENTRIFUGAL
PUMP SERIES

Kawamoto

High quality and high reliability pumps can satisfy various applications

Kawamoto Centrifugal Pump Series

List of model

This catalogue put typical ground type centrifugal pumps.
Please refer to out distributors or us about pumps without any description in this catalogue

Standard end suction

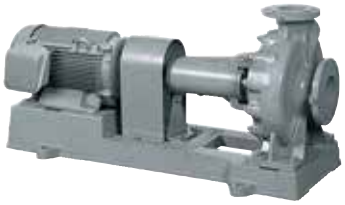
GE-C 2 pole compact

GE(N)- M 2/4 pole centrifugal pump

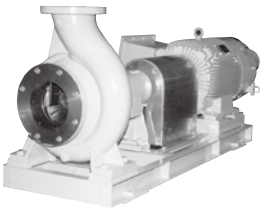
Nylon coating

GF High back pressure centrifugal pump

GD · GDF High back pressure centrifugal pump

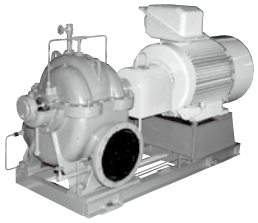


QCP 4 pole High back pressure centrifugal pump



F 4 pole centrifugal pump

QCDM 6 pole double suction centrifugal



GN2-C 2 pole nylon coating compact centrifugal pump

In-line single stage

FV(D)-C
2 pole In-line single stage centrifugal pump

FV(D)-4C
4 pole In-line single stage centrifugal pump

Circulation / In-line

PSS(2)

PE(2)

Moldel name explanation

GEI 40 5 CE 0.75
① ② ③ ④ ⑤

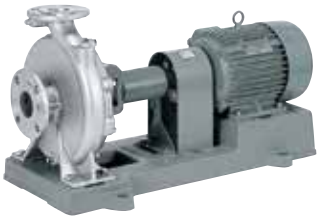
① Pump model
② Suction bore (mm)
③ Frequency (50Hz: 5, 60Hz: 6)
④ IE3 Efficiency motor Comply the top runner regulation in Japan
⑤ Motor output (kW)

Note) The scope of the Top runner regulation is 0.75kW or more.

Stainless steel precision casting

GES-C 2 pole compact

GES- M 2/4 pole centrifugal pump



Motor variant

Mono-Block pump

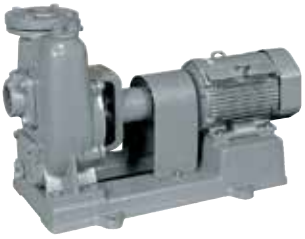
- Variant voltage
- Outdoor motor

Please inquire about the detail

Self-priming

FS(4) 4 pole self-priming centrifugal pump

For agliculture



GSO -C 2 pole self-priming centrifugal pump

Standard accessory

Valve

Sluice valve

Check valve

Foot valve

Resin

Cast iron

Suction unit

Cast iron

Stainless steel

Vibration proof bed

Vibration proof joint

Pump heater

GE-C Type Compact centrifugal pump 2 pole

Application

(Please inquire in case drinking water application)

Features

- Compact and right weight
- Easy maintenance and inspection due to Back Pull Out structure
- Long life mechanical seal is adapted for shaft sealing
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.

Maximum suction total head (20°C)

-6m	GEH506CE0.75	: -3.2m
	GEI806CE5.5, 7.5	: -5.5m

Standard specifications

- Liquid: Clean water 0~90°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: SUS304; Casing: Cast iron
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC outdoor. (Pump: Indoor) Three phase
- Flange: JIS 10K standard

Standard accessories

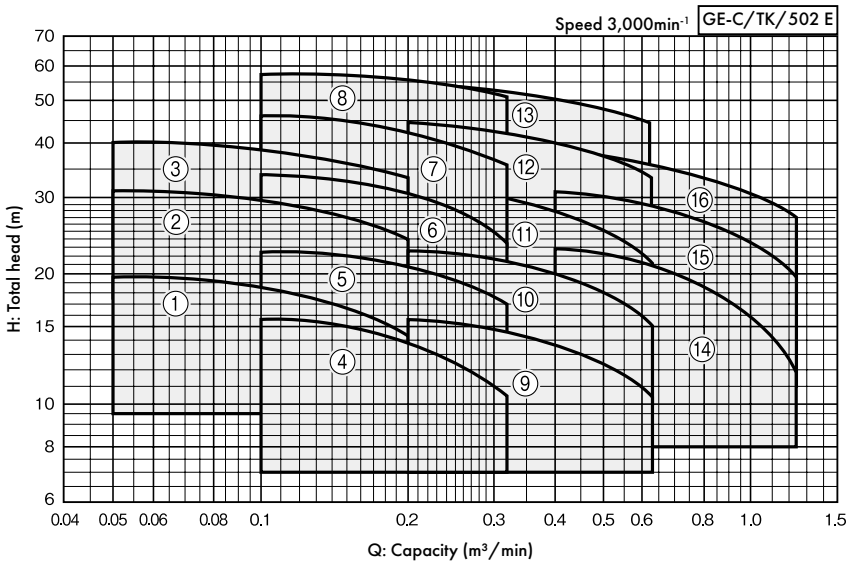
Motor, Base

Maximum back pressure

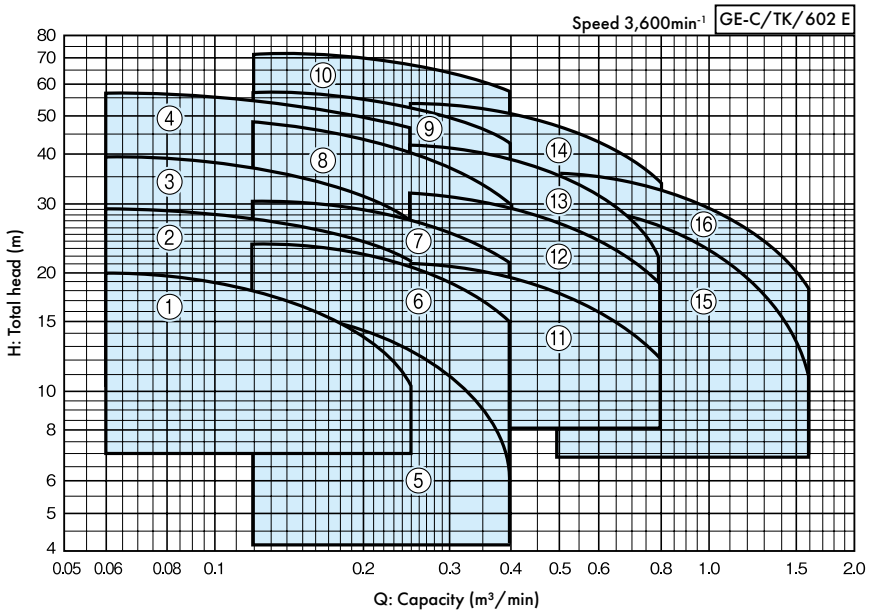
(1 - The shut-off pressure) MPa

Selection chart

50Hz



60Hz



Specification table

50Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GE-C/SI/502 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GEI405CE0.75	0.75	0.05	19.8	0.2	14.5	0.77	PBKV-46-404-01	PX-60Z
		2	GEJ405CE1.5	1.5	0.05	31	0.2	24	0.62	PBKV-46-404-02	PX-60Z
		3	GEJ405CE2.2	2.2	0.05	40	0.2	33.5	0.58	PBKV-46-404-02	PX-60Z
50	40	4	GEH505CE0.75	0.75	0.1	15.8	0.32	10.5	0.81	PBKV-46-404-01	PX-60Z
		5	GEI505CE1.5	1.5	0.1	22.5	0.32	17	0.75	PBKV-46-404-01	PX-60Z
		6	GEJ505CE2.2	2.2	0.1	34.5	0.32	24	0.63	PBKV-46-404-02	PX-60Z
		7	GEJ505CE3.7	3.7	0.1	45.5	0.32	36.5	0.53	QRE-01A	PX-60Z
		8	GEK505CE5.5	5.5	0.1	58	0.32	51	0.39	QRE-01A	PX-60Z
65	50	9	GEH655CE1.5	1.5	0.2	15.8	0.63	10.5	0.81	PBKV-46-404-01	PX-60Z
		10	GEI655CE2.2	2.2	0.2	22.8	0.63	15.2	0.75	PBKV-46-404-02	PX-60Z
		11	GEJ655CE3.7	3.7	0.2	32.5	0.63	21	0.65	QRE-01A	PX-60Z
		12	GEK655CE5.5	5.5	0.2	45	0.63	34	0.52	QRE-01A	PX-85Z
		13	GEK655CE7.5	7.5	0.2	54.5	0.63	43.5	0.42	QRE-01A	PX-85Z
80	65	14	GEI805CE3.7	3.7	0.4	23	1.25	12	0.74	QRE-01A	PX-60Z
		15	GEJ805CE5.5	5.5	0.4	30.5	1.25	20	0.66	QRE-01A	PX-85Z
		16	GEJ805CE7.5	7.5	0.4	38.5	1.25	27.5	0.58	QRE-01A	PX-85Z

60Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GE-C/SI/602 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GEH406CE0.75	0.75	0.06	20	0.25	10.5	0.77	PBKV-46-404-01	PX-60Z
		2	GEI406CE1.5	1.5	0.06	29	0.25	21.5	0.68	PBKV-46-404-01	PX-60Z
		3	GEJ406CE2.2	2.2	0.06	39.5	0.25	27.5	0.58	PBKV-46-404-02	PX-60Z
		4	GEJ406CE3.7	3.7	0.06	57	0.25	46.5	0.25	QRE-01A	PX-60Z
50	40	5	GEH506CE0.75	0.75	0.12	16.2	0.4	6.2	0.804	PBKV-46-404-01	PX-60Z
		6	GEH506CE1.5	1.5	0.12	23.5	0.4	15.2	0.74	PBKV-46-404-01	PX-60Z
		7	GEI506CE2.2	2.2	0.12	31	0.4	21.5	0.67	PBKV-46-404-01	PX-60Z
		8	GEJ506CE3.7	3.7	0.12	48	0.4	30	0.54	QRE-01A	PX-60Z
		9	GEJ506CE5.5	5.5	0.12	56.5	0.4	43	0.41	QRE-01A	PX-60Z
		10	GEK506CE7.5	7.5	0.12	71	0.4	57.5	0.26	QRE-01A	PX-60Z
65	50	11	GEH656CE2.2	2.2	0.25	21.2	0.8	12.2	0.75	PBKV-46-404-01	PX-60Z
		12	GEI656CE3.7	3.7	0.25	32	0.8	18.8	0.66	QRE-01A	PX-60Z
		13	GEJ656CE5.5	5.5	0.25	42	0.8	22	0.56	QRE-01A	PX-60Z
		14	GEJ656CE7.5	7.5	0.25	53.5	0.8	34	0.43	QRE-01A	PX-60Z
80	65	15	GEI806CE5.5	5.5	0.5	30	1.6	11	0.66	QRE-01A	PX-60Z
		16	GEI806CE7.5	7.5	0.5	35.5	1.6	18	0.61	QRE-01A	PX-60Z

GE-C Type

Outline dimension table

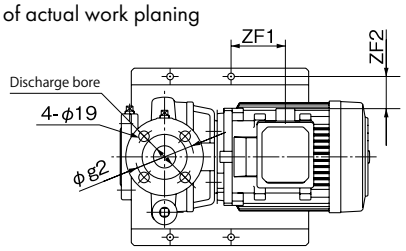
Inquire specification sheets and drawings in case of actual work planing

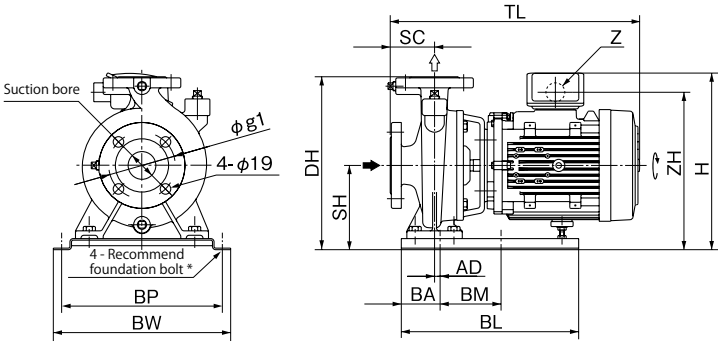
Flange: JIS 10K standard type

(Companion flange are optional accessories)

unit: mm

Bore		g1	g2
Suction	Discharge		
40	32	105	100
50	40	120	105
65	50	140	120
80	65	150	140





* Foundation bolts are optional accessories. If you need them, please buy yourself.

· Recommend foundation bolt size: M10 x 125

Note) The figure shows 2.2kW or less. The base of 3.7kW more models is cast iron.

GE-C/HD/001 E

50Hz

unit: mm GE-C/Hd/502 E

Suction bore	Discharge bore	Model	Motor	Impeller material	Pump	Base					Combinations									Mass
mm	mm		kW		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	H	ZF1	ZF2	ZH	Z	kg
40	32	GEI405CE0.75	0.75	Cast iron	65	320	60	130	230	260	272	132	414	22	275	51	28	241	G3/4	24
		GEJ405CE1.5	1.5	Bronze	80	320	60	130	290	320	312	152	455	0	–	80	58	272	G3/4	35
		GEJ405CE2.2	2.2		80	320	60	130	290	320	312	152	455	0	–	80	58	272	G3/4	42
50	40	GEH505CE0.75	0.75	Cast iron	65	320	60	130	230	260	272	132	414	22	275	51	28	241	G3/4	26
		GEI505CE1.5	1.5		80	320	60	130	230	260	272	132	460	0	287	84	28	252	G3/4	36
		GEJ505CE2.2	2.2	Bronze	80	320	60	130	290	320	312	152	452	0	319	90	58	284	G3/4	43
		GEJ505CE3.7	3.7		80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	52
		GEK505CE5.5	5.5		80	400	65	270	290	324	355	195	559	5	389	8	54	353	G1	76
65	50	GEH655CE1.5	1.5	Cast iron	80	320	60	130	230	260	272	132	452	0	287	80	28	252	G3/4	34
		GEI655CE2.2	2.2		80	320	60	130	290	320	272	132	452	0	299	90	58	264	G3/4	43
		GEJ655CE3.7	3.7		80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	54
		GEK655CE5.5	5.5	Bronze	100	400	65	270	350	384	375	195	579	5	389	8	84	353	G1	78
		GEK655CE7.5	7.5		100	400	65	270	350	384	375	195	595	5	400	-19	84	365	G1	97
80	65	GEI805CE3.7	3.7	Cast iron	100	400	65	270	290	324	327	167	522	5	334	-45	58	299	G3/4	56
		GEJ805CE5.5	5.5		100	400	65	270	350	384	375	195	584	5	389	13	84	353	G1	76
		GEJ805CE7.5	7.5	Bronze	100	400	65	270	350	384	375	195	600	5	400	-14	84	365	G1	94

Note) In case H ≤ DH, H is omitted.

< - > shows reverse direction to the drawing in this table.

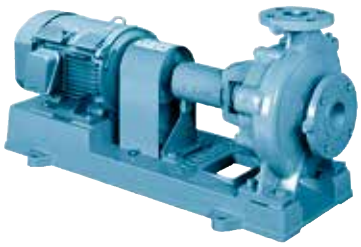
60Hz

unit: mm GE-C/Hd/602 E

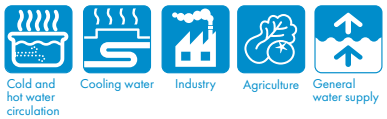
Suction bore	Discharge bore	Model	Motor	Impeller material	Pump	Base					Combinations									Mass
mm	mm		kW		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	H	ZF1	ZF2	ZH	Z	kg
40	32	GEH406CE0.75	0.75	Cast iron	65	320	60	130	230	260	245	120	414	22	263	51	28	229	G3/4	23
		GEI406CE1.5	1.5		65	320	60	130	230	260	272	132	443	22	287	61	28	252	G3/4	32
		GEJ406CE2.2	2.2	Bronze	80	320	60	130	290	320	312	152	447	0	319	85	58	284	G3/4	41
		GEJ406CE3.7	3.7		80	400	65	270	290	324	327	167	487	5	334	-60	58	299	G3/4	47
50	40	GEH506CE0.75	0.75	Cast iron	65	320	60	130	230	260	272	132	414	22	275	51	28	241	G3/4	26
		GEH506CE1.5	1.5		65	320	60	130	230	260	272	132	440	22	287	61	28	252	G3/4	32
		GEI506CE2.2	2.2		80	320	60	130	230	260	272	132	452	0	299	90	28	264	G3/4	41
		GEJ506CE3.7	3.7	Bronze	80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	52
		GEJ506CE5.5	5.5		80	400	65	270	290	324	355	195	559	5	389	8	54	353	G1	68
		GEK506CE7.5	7.5		80	400	65	270	290	324	375	195	575	5	400	-19	54	365	G1	94
65	50	GEH656CE2.2	2.2	Cast iron	80	320	60	130	230	260	272	132	447	0	299	85	28	264	G3/4	40
		GEI656CE3.7	3.7		80	400	65	270	290	324	315	175	492	5	342	-55	58	307	G3/4	50
		GEJ656CE5.5	5.5		80	400	65	270	290	324	355	195	559	5	389	8	54	353	G1	72
		GEJ656CE7.5	7.5	Bronze	80	400	65	270	290	324	355	195	575	5	400	-19	54	365	G1	90
80	65	GEI806CE5.5	5.5	Cast iron	100	400	65	270	290	324	355	195	584	5	389	13	54	353	G1	71
		GEI806CE7.5	7.5		100	400	65	270	290	324	355	195	600	5	400	-14	54	365	G1	89

Note) < - > shows reverse direction to the drawing in this table.

GE-2M Type Centrifugal pump 2 pole



Application



(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to Back Pull Out structure
- Long life mechanical seal is adapted for shaft sealing
- Wide application with the high efficiency and good suction performance
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd. (In Japan)
- Japanese Industrial Standards (JIS B 8313) compliant

Standard specifications

- Liquid: Clean water 0~90°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: SUS403 (Wetted part); Casing: Cast iron
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K standard

Standard accessories

Motor, Base, Coupling, Coupling cover, Priming plug

Maximum back pressure

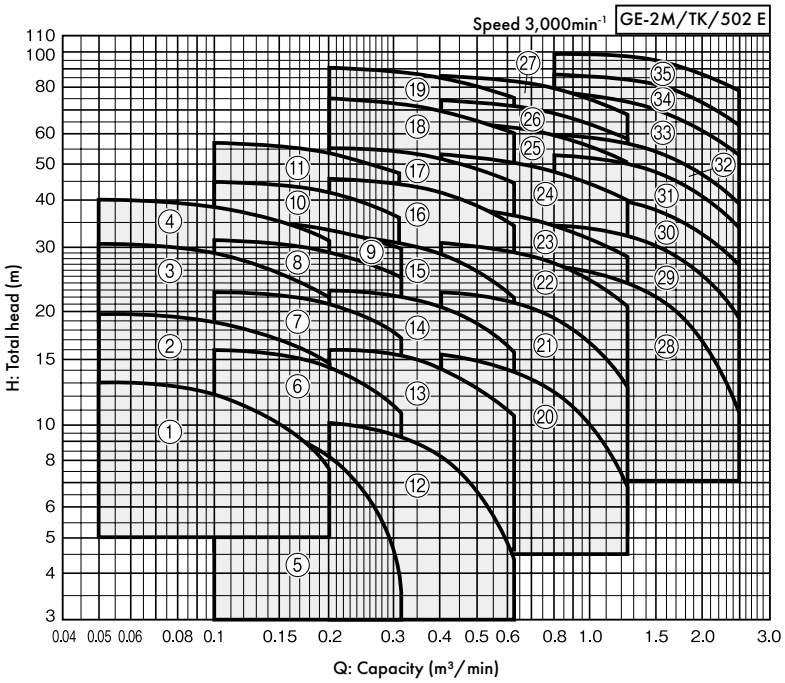
(1 - The shut-off pressure) MPa

Maximum suction total head (20°C)

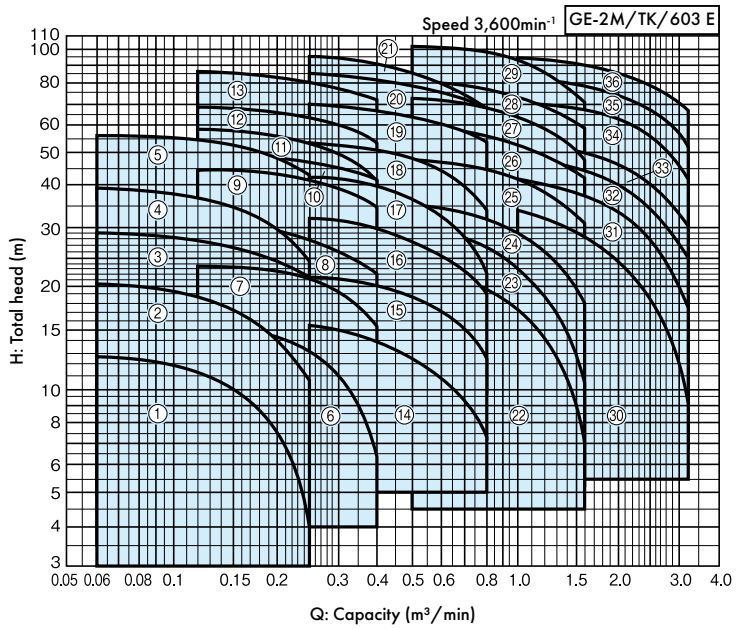
Suction bore (mm)	50Hz	60Hz
65mm or less	-6m (40mm 0.4kW : -4.5m; 50mm 0.4kW : -0.5m; 65mm 0.75kW : -1.2m)	-6m (40mm 0.4kW : -1.2m; 50mm 0.75kW : -3.2m; 65mm 1.5kW : -4.2m)
80	-6m (2.2kW: -3.5m)	-5.5m (3.7kW: -4m)
100	-5m	-3m

Selection chart

50Hz



60Hz



GE-2M Type

Specification table

50Hz

GE-2M/SI/513 • 522 E

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEH-40X325M-2MN0.4	0.4	0.05	13	0.2	7.5	0.84	QRE-01A	PX-60Z
		2	GEI405M2ME0.75	0.75	0.05	19.8	0.2	14.5	0.77	QRE-01A	PX-60Z
		3	GEJ405M2ME1.5	1.5	0.05	30.5	0.2	22	0.67	QRE-02A	PX-85Z
		4	GEJ405M2ME2.2	2.2	0.05	40	0.2	31.5	0.58	QRE-02A	PX-85Z
50	40	5	GEH-50X405M-2MN0.4	0.4	0.1	10.5	0.32	3.5	0.86	QRE-01A	PX-60Z
		6	GEH505M2ME0.75	0.75	0.1	15.8	0.32	10.5	0.81	QRE-01A	PX-60Z
		7	GEI505M2ME1.5	1.5	0.1	22.5	0.32	17	0.74	QRE-04D	PX-85Z
		8	GEJ505M2ME2.2	2.2	0.1	31	0.32	24.5	0.67	QRE-04D	PX-85Z
		9	GEJ505M2ME3.7	3.7	0.1	35.5	0.32	29.8	0.63	QRE-04D	PX-95Z
		10	GEK505M2ME3.7	3.7	0.1	44.5	0.32	35.5	0.52	QRE-04D	PX-95Z
		11	GEK505M2ME5.5	5.5	0.1	56.5	0.32	47	0.39	QRE-04D	PX-95Z
65	50	12	GEH655M2ME0.75	0.75	0.2	10	0.63	4.2	0.87	QRE-02A	PX-75Z
		13	GEH655M2ME1.5	1.5	0.2	15.8	0.63	10.5	0.81	QRE-02A	PX-85Z
		14	GEI655M2ME2.2	2.2	0.2	22.8	0.63	15.2	0.74	QRE-04D	PX-85Z
		15	GEJ655M2ME3.7	3.7	0.2	32.5	0.63	21	0.65	QRE-04D	PX-95Z
		16	GEK655M2ME5.5	5.5	0.2	45	0.63	34	0.52	QRE-04D	PX-95Z
		17	GEK655M2ME7.5	7.5	0.2	54.5	0.63	43.5	0.42	QRE-05D	PX-95Z
		18	GEL655M2ME11	11	0.2	75	0.63	59.5	0.22	QRE-05	PX-110Z
		19	GEL655M2ME15	15	0.2	90	0.63	74	0.059	QRE-06D	PX-110Z
80	65	20	GEH805M2ME2.2	2.2	0.4	15.2	1.25	6.5	0.81	QRE-02A	PX-85Z
		21	GEI805M2ME3.7	3.7	0.4	22.5	1.25	12	0.74	QRE-04D	PX-95Z
		22	GEJ805M2ME5.5	5.5	0.4	30.5	1.25	20	0.66	QRE-04D	PX-95Z
		23	GEJ805M2ME7.5	7.5	0.4	38.5	1.25	27.5	0.58	QRE-05D	PX-95Z
		24	GEK805M2ME11	11	0.4	52	1.25	38.5	0.45	QRE-05D	PX-110Z
		25	GEK805M2ME15	15	0.4	63.5	1.25	49.5	0.33	QRE-06D	PX-110Z
		26	GEL805M2ME18	18.5	0.4	74	1.25	57	0.32	QRE-08F	PX-120Z
		27	GEL805M2ME22	22	0.4	85	1.25	67	0.13	QRE-08F	PX-120Z
100	80	28	GEI1005M2ME7.5	7.5	0.8	26.5	2.5	10.5	0.69	QRE-05D	PX-95Z
		29	GEJ1005M2ME11	11	0.8	34	2.5	19	0.62	QRE-05D	PX-110Z
		30	GEJ1005M2ME15	15	0.8	42	2.5	27	0.54	QRE-06D	PX-110Z
		31	GEK1005M2ME18	18.5	0.8	52.5	2.5	33	0.44	QRE-08F	PX-120Z
		32	GEK1005M2ME22	22	0.8	59	2.5	38.5	0.37	QRE-08F	PX-120Z
		33	GEL1005M2ME30	30	0.8	76	2.5	51.5	0.22	QRE-09F	PX-130Z
		34	GEL1005M2ME37	37	0.8	86	2.5	64.5	0.098	QRE-12F	PX-S146Z
		35	GEL1005M2ME45	45	0.8	99	2.5	77	0	QRE-12F	PX-S146Z

60Hz

GE-2M/SI/613 · 622 E

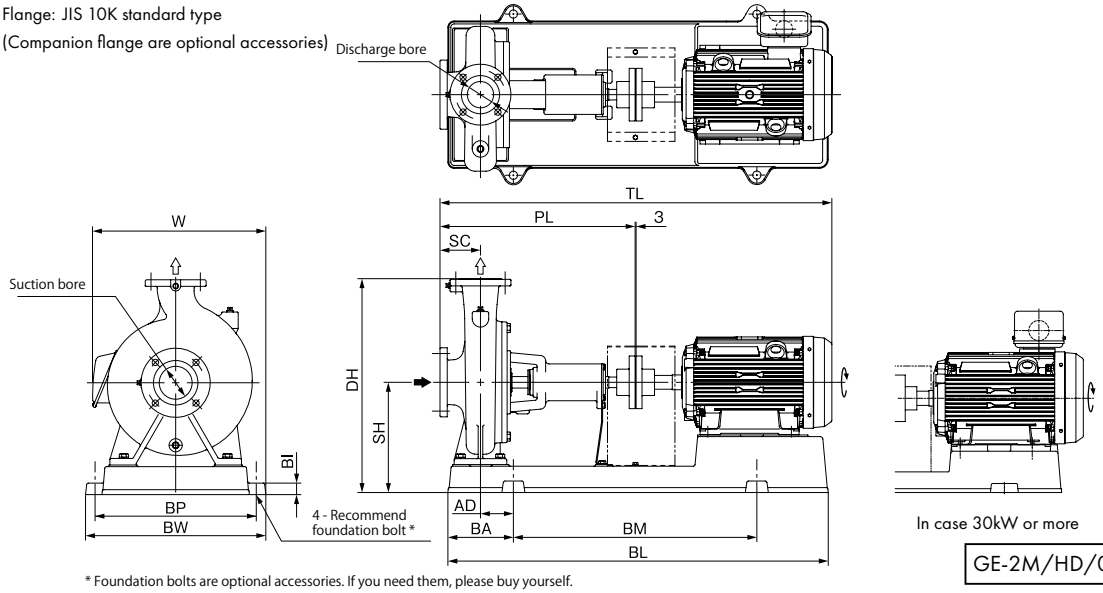
Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEH-40X326M-2MN0.4	0.4	0.06	12.8	0.25	4.2	0.84	QRE-01A	PX-60Z
		2	GEH406M2ME0.75	0.75	0.06	20	0.25	10.5	0.77	QRE-01A	PX-60Z
		3	GEI406M2ME1.5	1.5	0.06	29	0.25	21.5	0.68	QRE-02A	PX-75Z
		4	GEJ406M2ME2.2	2.2	0.06	39	0.25	24	0.58	QRE-02A	PX-85Z
		5	GEJ406M2ME3.7	3.7	0.06	55.5	0.25	42.5	0.40	QRE-02A	PX-85Z
50	40	6	GEH506M2ME0.75	0.75	0.12	16.2	0.4	6.2	0.80	QRE-01A	PX-60Z
		7	GEH506M2ME1.5	1.5	0.12	23.5	0.4	15.2	0.74	QRE-02A	PX-75Z
		8	GEI506M2ME2.2	2.2	0.12	31	0.4	21.5	0.67	QRE-04D	PX-85Z
		9	GEJ506M2ME3.7	3.7	0.12	44	0.4	34.5	0.54	QRE-04D	PX-95Z
		10	GEJ506M2ME5.5	5.5	0.12	50.5	0.4	41.5	0.47	QRE-04D	PX-95Z
		11	GEK506M2ME5.5	5.5	0.12	57.5	0.4	41.5	0.39	QRE-04D	PX-95Z
		12	GEK506M2ME7.5	7.5	0.12	69	0.4	53.5	0.25	QRE-04D	PX-95Z
		13	GEK506M2ME11	11	0.12	86	0.4	72	0.098	QRE-05D	PX-110Z
65	50	14	GEH656M2ME1.5	1.5	0.25	15.2	0.8	7.2	0.82	QRE-02A	PX-85Z
		15	GEH656M2ME2.2	2.2	0.25	21.2	0.8	12.2	0.76	QRE-02A	PX-85Z
		16	GEI656M2ME3.7	3.7	0.25	32	0.8	18.8	0.66	QRE-04D	PX-95Z
		17	GEJ656M2ME5.5	5.5	0.25	42	0.8	22	0.54	QRE-04D	PX-95Z
		18	GEJ656M2ME7.5	7.5	0.25	53.5	0.8	34	0.43	QRE-04D	PX-95Z
		19	GEK656M2ME11	11	0.25	70	0.8	53	0.26	QRE-05D	PX-110Z
		20	GEK656M2ME15	15	0.25	84	0.8	68	0.13	QRE-05D	PX-110Z
		21	GEL656M2ME18	18.5	0.25	96	0.8	68	0	QRE-08F	PX-120Z
80	65	22	GEH806M2ME3.7	3.7	0.5	22	1.6	7	0.74	QRE-02A	PX-85Z
		23	GEI806M2ME5.5	5.5	0.5	29.5	1.6	10.5	0.66	QRE-04D	PX-95Z
		24	GEI806M2ME7.5	7.5	0.5	35	1.6	18	0.61	QRE-04D	PX-95Z
		25	GEJ806M2ME11	11	0.5	47	1.6	30.5	0.50	QRE-05D	PX-110Z
		26	GEJ806M2ME15	15	0.5	60	1.6	42	0.36	QRE-05D	PX-110Z
		27	GEK806M2ME18	18.5	0.5	72	1.6	47.5	0.25	QRE-08F	PX-120Z
		28	GEK806M2ME22	22	0.5	81	1.6	59	0.15	QRE-08F	PX-120Z
		29	GEL806M2ME30	30	0.5	101	1.6	71	0	QRE-09F	PX-130Z
100	80	30	GEI1006M2ME11	11	1.0	34	3.15	8.5	0.62	QRE-05D	PX-110Z
		31	GEI1006M2ME15	15	1.0	41	3.15	17.5	0.54	QRE-05D	PX-110Z
		32	GEJ1006M2ME18	18.5	1.0	48.5	3.15	24.5	0.46	QRE-08F	PX-120Z
		33	GEJ1006M2ME22	22	1.0	55.5	3.15	29.5	0.39	QRE-08F	PX-120Z
		34	GEK1006M2ME30	30	1.0	72	3.15	40.5	0.25	QRE-09F	PX-130Z
		35	GEK1006M2ME37	37	1.0	84	3.15	52	0.12	QRE-10F	PX-130ZST
		36	GEK1006M2ME45	45	1.0	93	3.15	66	0.049	QRE-10F	PX-S146Z

GE-2M Type

Outline dimension table

Inquire specification sheets and drawings in case of actual work planing

Flange: JIS 10K standard type
(Companion flange are optional accessories)



In case 30kW or more

GE-2M/HD/001 E

* Foundation bolts are optional accessories. If you need them, please buy yourself.

50Hz

unit: mm GE-2M/Hd/503 E

Suction bore	Discharge bore	Model	Motor	Impeller material	Pump			Base					Combinations					Mass
mm	mm		kW		SC	PL	BI	BL	BA	BM	BP	BW	DH	SH	TL	AD	W	kg
40	32	GEH-40X325M-2MN0.4	0.4	Cast iron	65	265	20	467	82	300	200	236	280	155	506	35	244	31
		GEI405M2ME0.75	0.75		65	265	20	468	82	300	230	266	317	177	530	35	278	40
		GEJ405M2ME1.5	1.5	Bronze	80	360	25	648	112	420	290	336	347	187	675	50	-	55
		GEJ405M2ME2.2	2.2		80	360	25	648	112	420	290	336	347	187	675	50	-	57
50	40	GEH-50X405M-2MN0.4	0.4	Cast iron	65	265	20	468	82	300	230	266	307	167	506	35	-	33
		GEH505M2ME0.75	0.75		65	265	20	468	82	300	230	266	317	177	530	35	278	40
		GEI505M2ME1.5	1.5		80	440	25	726	127	480	290	336	307	167	755	60	-	61
		GEJ505M2ME2.2	2.2		80	440	25	722	120	480	290	336	347	187	755	55	-	64
		GEJ505M2ME3.7	3.7		80	440	25	818	138	540	320	366	357	197	*830	70	-	85
		GEK505M2ME3.7	3.7	Bronze	80	440	25	821	138	540	320	366	405	225	*833	70	-	85
		GEK505M2ME5.5	5.5		80	440	25	819	138	540	350	396	405	225	894	70	-	112
65	50	GEH655M2ME0.75	0.75	Cast iron	80	360	20	577	102	370	230	266	307	167	625	35	278	46
		GEH655M2ME1.5	1.5		80	360	20	646	112	420	230	266	307	167	675	45	291	51
		GEI655M2ME2.2	2.2		80	440	25	726	127	480	290	336	307	167	755	60	-	64
		GEJ655M2ME3.7	3.7		80	440	25	818	138	540	320	366	357	197	*830	70	-	88
		GEK655M2ME5.5	5.5	Bronze	100	460	25	819	138	540	350	396	405	225	914	70	-	117
		GEK655M2ME7.5	7.5		100	460	25	819	138	540	350	396	405	225	914	70	-	123
		GEL655M2ME11	11		100	460	35	918	158	600	400	458	470	245	1038	75	495	169
		GEL655M2ME15	15		100	460	35	918	158	600	400	458	470	245	1038	75	495	179
80	65	GEH805M2ME2.2	2.2	Cast iron	100	380	25	648	112	420	290	336	347	187	695	50	-	60
		GEI805M2ME3.7	3.7		100	460	25	818	138	540	320	366	357	197	*850	70	-	96
		GEJ805M2ME5.5	5.5		100	460	25	819	138	540	350	396	405	225	914	70	-	116
		GEJ805M2ME7.5	7.5	Bronze	100	460	25	819	138	540	350	396	405	225	914	70	-	122
		GEK805M2ME11	11		100	460	35	916	158	600	400	458	425	225	1038	90	495	160
		GEK805M2ME15	15		100	460	35	916	158	600	400	458	425	225	1038	90	495	170
		GEL805M2ME18	18.5		100	460	35	1018	178	660	400	458	470	245	1082	95	495	219
		GEL805M2ME22	22		100	460	35	1016	178	660	440	498	470	245	1107	95	538	249
100	80	GEI1005M2ME7.5	7.5	Cast iron	100	460	25	819	138	540	350	396	405	225	914	60	-	128
		GEJ1005M2ME11	11		100	460	35	916	158	600	400	458	425	225	1038	75	495	163
		GEJ1005M2ME15	15	Bronze	100	460	35	916	158	600	400	458	425	225	1038	75	495	173
		GEK1005M2ME18	18.5		100	460	35	1018	178	660	400	458	470	245	1082	95	495	209
		GEK1005M2ME22	22		100	460	35	1016	178	660	440	498	470	245	1107	95	538	244
		GEL1005M2ME30	30		100	570	35	1140	199	740	440	498	535	285	1293	100	-	348
		GEL1005M2ME37	37		100	570	35	1268	214	840	490	548	535	285	1324	115	-	399
		GEL1005M2ME45	45		100	570	35	1268	214	840	490	548	535	285	1324	115	-	413

* The dimension on the table is not the edge of the motor, but the edge of the base.

Note) In case W ≤ BW, W is omitted.
The dimension of the gland packing type is same.

GE-2M Type

60Hz

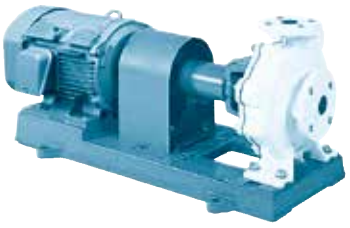
unit: mm | GE-2M/Hd/603 E

Suction bore	Discharge bore	Model	Motor	Impeller material	Pump			Base					Combinations					Mass
mm	mm		kW		SC	PL	BI	BL	BA	BM	BP	BW	DH	SH	TL	AD	W	kg
40	32	GEH-40X326M-2MN0.4	0.4	Cast iron	65	265	20	467	82	300	200	236	280	155	506	35	244	31
		GEH406M2ME0.75	0.75		65	265	20	466	82	300	210	246	280	155	530	35	268	37
		GEI406M2ME1.5	1.5		65	265	20	516	92	330	230	266	307	167	580	45	291	44
		GEJ406M2ME2.2	2.2	Bronze	80	360	25	648	112	420	290	336	347	187	675	50	-	57
		GEJ406M2ME3.7	3.7		80	360	25	648	112	420	290	336	357	197	744	50	348	75
50	40	GEH506M2ME0.75	0.75	Cast iron	65	265	20	468	82	300	230	266	317	177	530	35	278	39
		GEH506M2ME1.5	1.5		65	265	20	516	92	330	230	266	307	167	580	45	291	43
		GEI506M2ME2.2	2.2		80	440	25	726	127	480	290	336	307	167	755	60	-	60
		GEJ506M2ME3.7	3.7		80	440	25	818	138	540	320	366	357	197	*830	70	-	85
		GEJ506M2ME5.5	5.5		80	440	25	816	138	540	350	396	357	197	894	70	-	101
		GEK506M2ME5.5	5.5	Bronze	80	440	25	819	138	540	350	396	405	225	894	70	-	111
		GEK506M2ME7.5	7.5		80	440	25	819	138	540	350	396	405	225	894	70	-	118
		GEK506M2ME11	11	SCS13	80	440	35	916	158	600	400	458	405	225	1018	90	495	141
65	50	GEH656M2ME1.5	1.5	FC	80	360	20	646	112	420	230	266	307	167	675	45	291	51
		GEH656M2ME2.2	2.2		80	360	20	648	112	420	260	296	307	167	675	45	306	51
		GEI656M2ME3.7	3.7		80	440	25	816	138	540	320	366	317	177	*828	70	-	87
		GEJ656M2ME5.5	5.5		80	440	25	816	138	540	350	396	357	197	894	70	-	104
		GEJ656M2ME7.5	7.5	Bronze	80	440	25	816	138	540	350	396	357	197	894	70	-	110
		GEK656M2ME11	11		100	460	35	916	158	600	400	458	405	225	1038	90	495	156
		GEK656M2ME15	15		100	460	35	916	158	600	400	458	405	225	1038	90	495	167
		GEL656M2ME18	18.5	SCS13	100	460	35	1018	178	660	400	458	470	245	1082	95	495	204
80	65	GEH806M2ME3.7	3.7	Cast iron	100	380	25	648	112	420	290	336	357	197	764	50	348	80
		GEI806M2ME5.5	5.5		100	460	25	816	138	540	350	396	357	197	914	70	-	111
		GEI806M2ME7.5	7.5		100	460	25	816	138	540	350	396	357	197	914	70	-	117
		GEJ806M2ME11	11		100	460	35	916	158	600	400	458	405	225	1038	90	495	154
		GEJ806M2ME15	15	Bronze	100	460	35	916	158	600	400	458	405	225	1038	90	495	164
		GEK806M2ME18	18.5		100	460	35	1016	178	660	400	458	425	225	1082	110	495	195
		GEK806M2ME22	22		100	460	35	1018	180	660	440	498	445	245	1107	110	538	231
		GEL806M2ME30	30	SCSI 3	100	460	35	1016	178	660	440	498	470	245	1183	95	-	324
100	80	GEI1006M2ME11	11	Cast iron	100	460	35	916	158	600	400	458	405	225	1038	75	495	160
		GEI1006M2ME15	15		100	460	35	916	158	600	400	458	405	225	1038	75	495	171
		GEJ1006M2ME18	18.5		100	460	35	1016	178	660	400	458	425	225	1082	95	495	198
		GEJ1006M2ME22	22	Bronze	100	460	35	1018	180	660	440	498	445	245	1107	95	538	234
		GEK1006M2ME30	30		100	460	35	1016	178	660	440	498	470	245	1183	95	-	328
		GEK1006M2ME37	37		100	460	35	1138	200	740	400/490	458/548	490	265	1214	115	-	369
		GEK1006M2ME45	45		100	460	35	1138	200	740	400/490	458/548	490	265	1214	115	-	379

* The dimension on the table is not the edge of the motor, but the edge of the base.

Note) In case W ≤ BW, W is omitted.
The dimension of the gland packing type is same.

GEN-2M Type Nylon coating centrifugal pump 2 pole



Application

(Please inquire in case drinking water application)

Features

- Preventing red water, superior to corrosion resistance
- Easy maintenance and inspection due to Back Pull Out structure
- Long life mechanical seal is adapted for shaft sealing
- Wide application with the high efficiency and good suction performance
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.
- Japanese Industrial Standards (JIS B 8313) compliant

Maximum suction total head (20°C)

Refer to P.6.

Standard specifications

- Liquid: Clean water 0~40°C (No freezing)
- Materials: Impeller Bronze; Shaft SUS316 (Wetted part); Casing Cast iron + Nylon coating
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

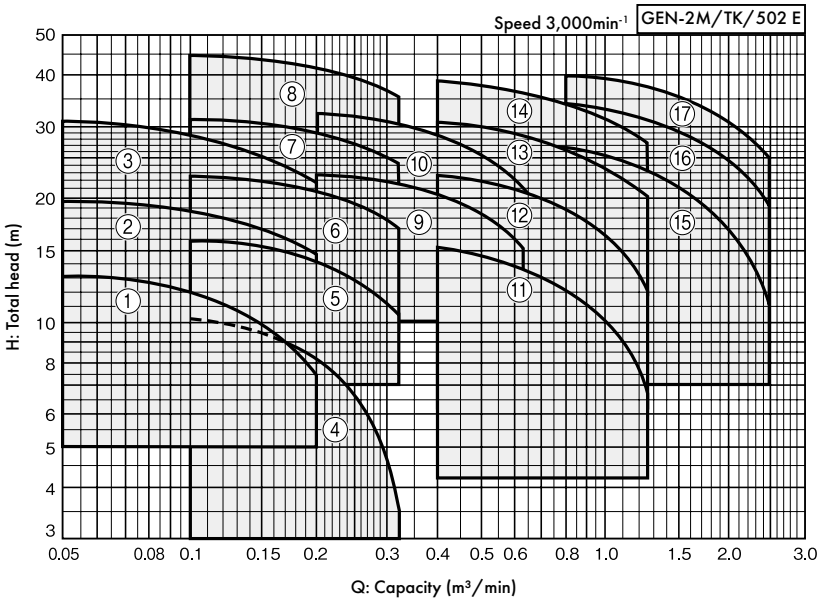
Motor, Base, Coupling, Coupling cover, Priming plug

Maximum back pressure

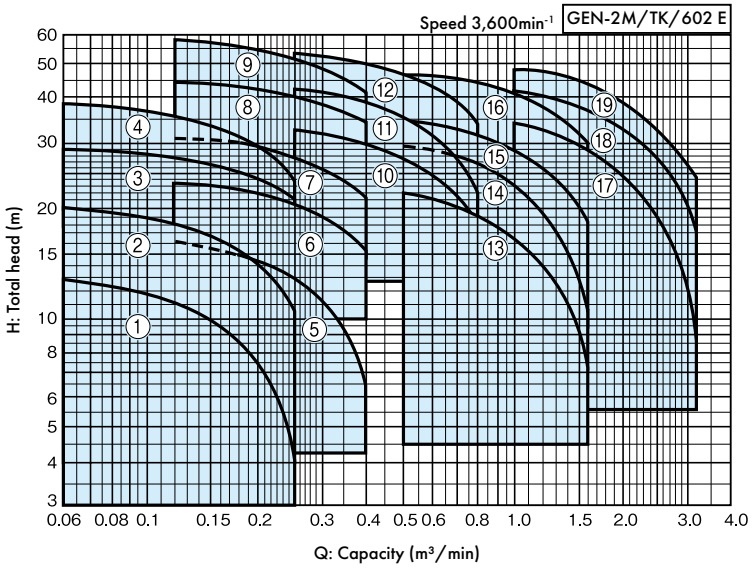
(1 - The shut-off pressure) MPa

Selection chart

50Hz



60Hz



Specification table

50Hz

GE-2M/SI/503 E

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEN-40X325M-2MN0.4	0.4	0.05	13	0.2	7.5	0.84	QRE-01A	PX-60Z
		2	GEN405M2ME0.75	0.75	0.05	19.8	0.2	14.5	0.77	QRE-01A	PX-60Z
		3	GEN405M2ME1.5	1.5	0.05	30.5	0.2	22	0.67	QRE-02A	PX-85Z
50	40	4	GEN-50X405M-2MN0.4	0.4	0.1	10.5	0.32	3.5	0.86	QRE-01A	PX-60Z
		5	GEN505M2ME0.75	0.75	0.1	15.8	0.32	10.5	0.81	QRE-01A	PX-60Z
		6	GEN505M2ME1.5	1.5	0.1	22.5	0.32	17	0.74	QRE-04D	PX-85Z
		7	GEN505M2ME2.2	2.2	0.1	31	0.32	24.5	0.67	QRE-04D	PX-85Z
		8	GEN505M2ME3.7	3.7	0.1	44.5	0.32	35.5	0.52	QRE-04D	PX-95Z
65	50	9	GEN655M2ME2.2	2.2	0.2	22.8	0.63	15.2	0.74	QRE-04D	PX-85Z
		10	GEN655M2ME3.7	3.7	0.2	32.5	0.63	21	0.65	QRE-04D	PX-95Z
80	65	11	GEN805M2ME2.2	2.2	0.4	15.2	1.25	6.5	0.81	QRE-02A	PX-85Z
		12	GEN805M2ME3.7	3.7	0.4	22.5	1.25	12	0.73	QRE-04D	PX-95Z
		13	GEN805M2ME5.5	5.5	0.4	30.5	1.25	20	0.66	QRE-04D	PX-95Z
		14	GEN805M2ME7.5	7.5	0.4	38.5	1.25	27.5	0.58	QRE-05D	PX-95Z
100	80	15	GEN1005M2ME7.5	7.5	0.8	26.5	2.5	10.5	0.69	QRE-05D	PX-95Z
		16	GEN1005M2ME11	11	0.8	34	2.5	19	0.62	QRE-05D	PX-110Z
		17	GEN1005M2ME15	15	0.8	40	2.5	24.5	0.55	QRE-05D	PX-110Z

60Hz

GEN-2M/SI/603 E

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEN-40X326M-2MN0.4	0.4	0.06	12.8	0.25	4.2	0.84	QRE-01A	PX-60Z
		2	GEN406M2ME0.75	0.75	0.06	20	0.25	10.5	0.77	QRE-01A	PX-60Z
		3	GEN406M2ME1.5	1.5	0.06	29	0.25	21.5	0.68	QRE-02A	PX-75Z
		4	GEN406M2ME2.2	2.2	0.06	39	0.25	24	0.58	QRE-02A	PX-85Z
50	40	5	GEN506M2ME0.75	0.75	0.12	16.2	0.4	6.2	0.80	QRE-01A	PX-60Z
		6	GEN506M2ME1.5	1.5	0.12	23.5	0.4	15.2	0.74	QRE-02A	PX-75Z
		7	GEN506M2ME2.2	2.2	0.12	31	0.4	21.8	0.67	QRE-04D	PX-85Z
		8	GEN506M2ME3.7	3.7	0.12	44	0.4	34.5	0.54	QRE-04D	PX-95Z
		9	GEN506M2ME5.5	5.5	0.12	57.5	0.4	41.5	0.39	QRE-04D	PX-95Z
65	50	10	GEN656M2ME3.7	3.7	0.25	32	0.8	18.8	0.66	QRE-04D	PX-95Z
		11	GEN656M2ME5.5	5.5	0.25	42	0.8	22	0.54	QRE-04D	PX-95Z
		12	GEN656M2ME7.5	7.5	0.25	53.5	0.8	34	0.43	QRE-04D	PX-95Z
80	65	13	GEN806M2ME3.7	3.7	0.5	22	1.6	7	0.74	QRE-02A	PX-85Z
		14	GEN806M2ME5.5	5.5	0.5	29.5	1.6	10.5	0.66	QRE-04D	PX-95Z
		15	GEN806M2ME7.5	7.5	0.5	35	1.6	18	0.61	QRE-04D	PX-95Z
		16	GEN806M2ME11	11	0.5	47	1.6	30.5	0.50	QRE-05D	PX-110Z
100	80	17	GEN1006M2ME11	11	1.0	34	3.15	8.5	0.62	QRE-05D	PX-110Z
		18	GEN1006M2ME15	15	1.0	41	3.15	17.5	0.54	QRE-05D	PX-110Z
		19	GEN1006M2ME18	18.5	1.0	48.5	3.15	24.5	0.46	QRE-08F	PX-120Z

GE-4M Type Centrifugal pump 4 pole

Application

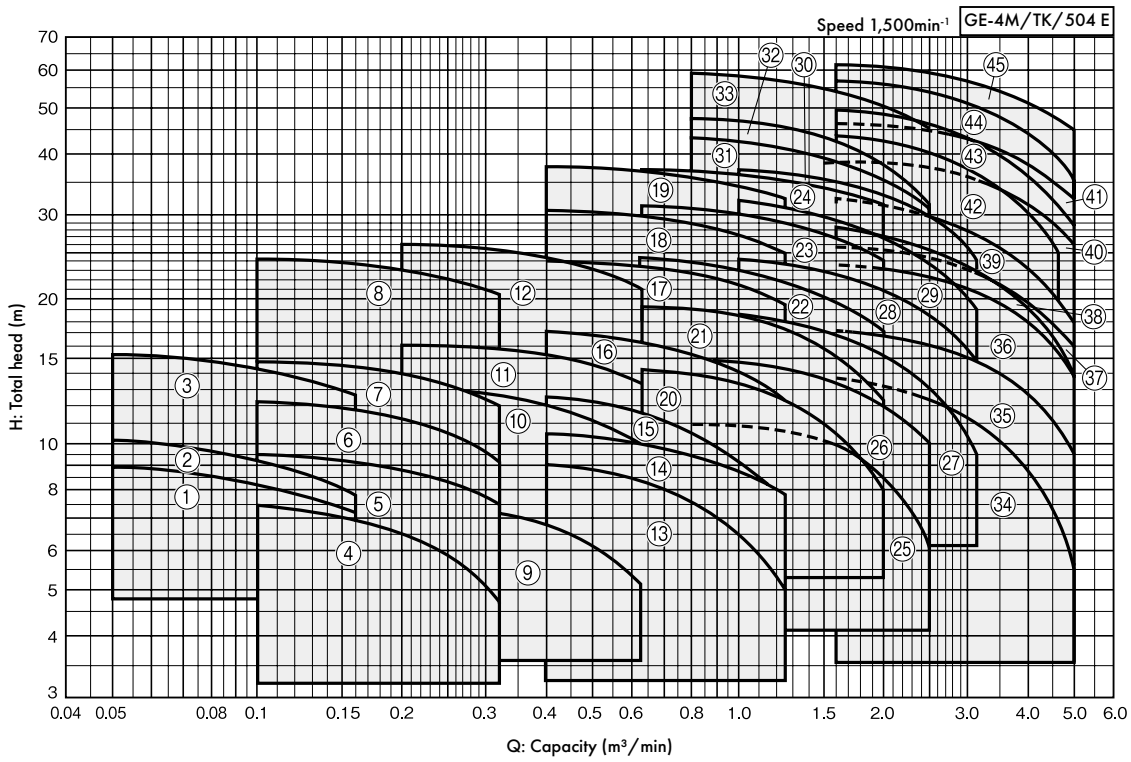
(Please inquire in case drinking water application)

Features

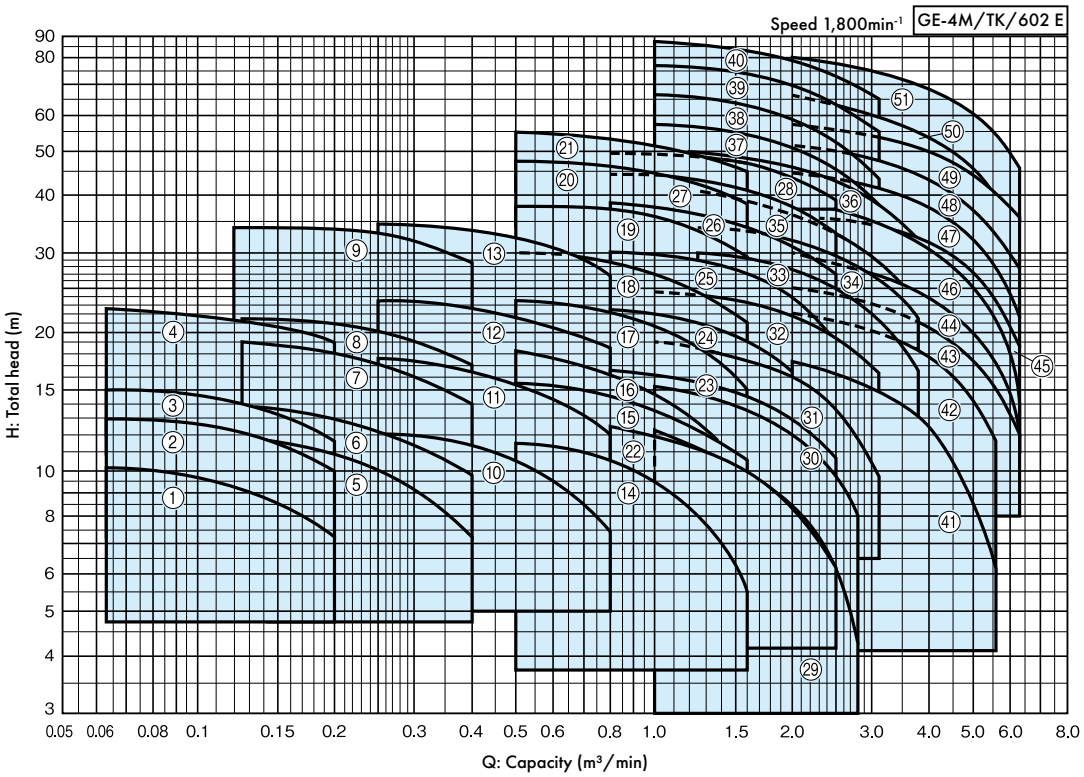
- Easy maintenance and inspection due to Back Pull Out structure
- Long life mechanical seal is adapted for shaft sealing
- Stable and advantageous to loading and installation
- Wide application with the high efficiency and good suction performance
- Less vibration and quiet operation sound because of 4 pole motor
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.
- Japanese Industrial Standards (JIS B 8313) compliant

Selection chart

50Hz



60Hz



GE-4M Type

Standard specifications

- Liquid: Clean water 0~90°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: SUS403 (Wetted part); Casing: Cast iron
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum suction total head (20°C)

50Hz	60Hz
-6m (50mm 0.4kW : -4.5m / 65mm 0.75kW : -5.0m)	-6m (150mm : -5.5m)

Maximum back pressure ··· Refer to the specification table

(1 - The shut-off pressure) MPa

Specification table

50Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GEN-4M/SI/503 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GEJ-40X325M-4MN0.4	0.4	0.05	9	0.16	7.2	0.88	QRE-02A	PX-85Z
		2	GEK-40X325M-4MN0.4	0.4	0.05	10.2	0.16	7.8	0.86	QRE-02A	PX-85Z
		3	GEK405M4ME0.75	0.75	0.05	15.2	0.16	12.5	0.81	QRE-04D	PX-85Z
50	40	4	GEJ-50X405M-4MN0.4	0.4	0.1	7.5	0.32	4.8	0.89	QRE-02A	PX-85Z
		5	GEJ505M4ME0.75	0.75	0.1	9.5	0.32	7.5	0.88	QRE-04D	PX-85Z
		6	GEK505M4ME0.75	0.75	0.1	12.2	0.32	9.2	0.85	QRE-04D	PX-85Z
		7	GEK505M4ME1.5	1.5	0.1	14.8	0.32	12	0.82	QRE-04D	PX-85Z
		8	GEL505M4ME2.2	2.2	0.1	24.2	0.32	20.5	0.73	QRE-04D	PX-110Z
65	50	9	GEJ655M4ME0.75	0.75	0.2	8	0.63	5.2	0.89	QRE-04D	PX-85Z
		10	GEK655M4ME1.5	1.5	0.2	13	0.63	10	0.84	QRE-04D	PX-85Z
		11	GEK655M4ME2.2	2.2	0.2	16	0.63	13.2	0.8	QRE-04D	PX-85Z
		12	GEL655M4ME3.7	3.7	0.2	26	0.63	21	0.72	QRE-04D	PX-110Z
80	65	13	GEJ805M4ME1.5	1.5	0.4	9	1.25	5	0.87	QRE-04D	PX-85Z
		14	GEJ805M4ME2.2	2.2	0.4	10.5	1.25	7.8	0.86	QRE-04D	PX-95Z
		15	GEK805M4ME2.2	2.2	0.4	12.5	1.25	7.5	0.84	QRE-04D	PX-110Z
		16	GEK805M4ME3.7	3.7	0.4	17	1.25	12.2	0.79	QRE-04D	PX-110Z
		17	GEL805M4ME5.5	5.5	0.4	24.2	1.25	19.2	0.74	QRE-05D	PX-120Z
		18	GEM805M4ME7.5	7.5	0.4	30.5	1.25	24.5	0.68	QRE-07F	PX-120Z
		19	GEM805M4ME11	11	0.4	38	1.25	32	0.6	QRE-08F	PX-130Z
100	80	20	GEK1005M4ME3.7	3.7	0.63	14.2	2.0	8	0.85	QRE-04D	PX-120Z
		21	GEL1005M4ME5.5	5.5	0.63	19.2	2.0	12.2	0.78	QRE-07F	PX-120Z
		22	GEL1005M4ME7.5	7.5	0.63	24	2.0	17	0.75	QRE-07F	PX-120Z
		23	GEM1005M4ME11	11	0.63	31	2.0	24	0.69	QRE-08F	PX-130Z
		24	GEM1005M4ME15	15	0.63	37	2.0	31	0.62	QRE-08F	PX-130Z
125	100	25	GEK1255M4ME3.7	3.7	0.8	11.8	2.5	6.2	0.84	QRE-05D	PX-120Z
		26	GEK1255M4ME5.5	5.5	0.8	15	2.5	10	0.81	QRE-05D	PX-120Z
		27	GEL1255BM4ME7.5	7.5	1.0	18.5	3.1	10	0.80	QRE-08F	PX-120Z
		28	GEL1255BM4ME11	11	1.0	24	3.15	15.5	0.76	QRE-08F	PX-130Z
		29	GEM1255BM4ME15	15	1.0	32	3.15	19.5	0.66	QRE-08F	PX-130Z
		30	GEM1255BM4ME18	18.5	1.0	37	3.15	24	0.62	QRE-09F	PX-130Z
		31	GEM1255M4ME18	18.5	0.8	42.5	2.5	30.8	0.55	QRE-09F	PX-130Z
		32	GEO1255M4ME22	22	0.8	47	2.5	31.5	0.52	QRE-12F	PX-145Z
		33	GEO1255M4ME30	30	0.8	59	2.5	45	0.41	QRE-12F	PX-145Z
150	125	34	GEK1505M4ME7.5	7.5	1.6	13.5	5.0	5.5	0.85	QRE-08F	PX-120Z
		35	GEK1505M4ME11	11	1.6	17.2	5.0	9.5	0.82	QRE-08F	PX-130Z
		36	GEL1505M4ME15	15	1.6	23.5	5.0	13.8	0.76	QRE-09F	PX-130Z
		37	GEL1505M4ME18	18.5	1.6	25.2	5.0	16	0.75	QRE-09F	PX-130ZST
		38	GEM1505M4ME18	18.5	1.6	28	5.0	13.5	0.69	QRE-12F	PX-145Z
		39	GEM1505M4ME22	22	1.6	32	5.0	17.5	0.65	QRE-12F	PX-145Z
		40	GEM1505M4ME30	30	1.6	39	5.0	26	0.58	QRE-12F	PX-145Z
		41	GEM1505M4ME37	37	1.6	45.5	5.0	32	0.51	QRE-13F	PX-160Z
		42	GEO1505M4ME30	30	1.6	44.5	4.6	25	0.54	QRE-13F	PX-145Z
		43	GEO1505M4ME37	37	1.6	49.5	5.0	28	0.49	PBKV-145-1509-09	PX-160Z
		44	GEO1505M4ME45	45	1.6	56.5	5.0	35	0.42	PBKV-145-1509-09	PX-160Z
		45	GEO1505M4ME55	55	1.6	61	5.0	45	0.38	PBKV-145-1509-09	PX-160ZA

GE-4M Type

Specification table

60Hz

					Standard specifications					GEN-4M/SI/603 E	
Suction bore	Discharge bore	Ref.	Model	Motor	Capacity	Total head	Capacity	Total head	Maximum back pressure	Vibration isolator application table	
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEJ-40X326M-4MN0.4	0.4	0.063	10.2	0.2	7.2	0.86	QRE-02A	PX-85Z
		2	GEJ406M4ME0.75	0.75	0.063	13	0.2	10	0.84	QRE-04D	PX-85Z
		3	GEK406M4ME0.75	0.75	0.063	15	0.2	11.5	0.81	QRE-04D	PX-85Z
		4	GEK406M4ME1.5	1.5	0.063	22.5	0.2	19	0.74	QRE-04D	PX-85Z
50	40	5	GEJ506M4ME0.75	0.75	0.125	11.8	0.4	7.2	0.85	QRE-04D	PX-85Z
		6	GEJ506M4ME1.5	1.5	0.125	13.8	0.4	9.8	0.83	QRE-04D	PX-85Z
		7	GEK506M4ME1.5	1.5	0.125	19	0.4	14	0.77	QRE-04D	PX-85Z
		8	GEK506M4ME2.2	2.2	0.125	21.5	0.4	17	0.75	QRE-04D	PX-85Z
		9	GEL506M4ME3.7	3.7	0.12	34.5	0.4	28.5	0.62	QRE-04D	PX-110Z
65	50	10	GEJ656M4ME1.5	1.5	0.25	12.2	0.8	7.5	0.84	QRE-04D	PX-85Z
		11	GEK656M4ME2.2	2.2	0.25	17.5	0.8	12	0.78	QRE-04D	PX-85Z
		12	GEK656M4ME3.7	3.7	0.25	23.2	0.8	18.5	0.74	QRE-04D	PX-95Z
		13	GEL656M4ME5.5	5.5	0.25	34.5	0.8	27	0.63	QRE-04D	PX-110Z
80	65	14	GEJ806M4ME2.2	2.2	0.5	11.5	1.6	5.5	0.84	QRE-04D	PX-95Z
		15	GEJ806M4ME3.7	3.7	0.5	15.2	1.6	10.5	0.81	QRE-04D	PX-95Z
		16	GEK806M4ME3.7	3.7	0.5	18.2	1.6	9.5	0.78	QRE-04D	PX-110Z
		17	GEK806M4ME5.5	5.5	0.5	23.2	1.6	15.2	0.74	QRE-04D	PX-110Z
		18	GEL806M4ME7.5	7.5	0.5	30	1.6	21	0.68	QRE-07F	PX-120Z
		19	GEL806M4ME11	11	0.5	37.5	1.6	29.5	0.6	QRE-07F	PX-130Z
		20	GEM806M4ME15	15	0.5	48	1.6	38	0.49	QRE-08F	PX-130Z
		21	GEM806M4ME18	18.5	0.5	54.5	1.6	45	0.43	QRE-09F	PX-130Z
100	80	22	GEJ1006M4ME3.7	3.7	0.8	12.5	2.5	6.2	0.86	QRE-04D	PX-110Z
		23	GEJ1006M4ME5.5	5.5	0.8	16.5	2.5	10.5	0.83	QRE-04D	PX-110Z
		24	GEK1006M4ME7.5	7.5	0.8	22.5	2.5	13	0.77	QRE-07F	PX-120Z
		25	GEL1006M4ME11	11	0.8	30	2.5	19	0.66	QRE-08F	PX-130Z
		26	GEL1006M4ME15	15	0.8	38	2.5	27	0.6	QRE-08F	PX-130Z
		27	GEM1006M4ME18	18.5	0.8	44.5	2.5	33	0.55	QRE-09F	PX-130Z
		28	GEM1006M4ME22	22	0.8	49.5	2.5	39	0.5	QRE-09F	PX-130ZST
125	100	29	GEJ1256M4ME3.7	3.7	1.0	12.2	2.8	4.2	0.84	QRE-05D	PX-120Z
		30	GEJ1256M4ME5.5	5.5	1.0	15.2	2.8	8	0.81	QRE-05D	PX-120Z
		31	GEK1256M4ME7.5	7.5	1.0	19	3.15	9.8	0.77	QRE-07F	PX-120Z
		32	GEK1256M4ME11	11	1.0	24.2	3.15	16.2	0.73	QRE-08F	PX-130Z
		33	GEL1256BM4ME15	15	1.25	30	3.8	16.5	0.69	QRE-08F	PX-130Z
		34	GEL1256BM4ME18	18.5	1.25	34	3.8	21.5	0.65	QRE-09F	PX-130Z
		35	GEM1256BM4ME22	22	1.25	41.5	3.8	23.5	0.56	QRE-10F	PX-130ZST
		36	GEM1256BM4ME30	30	1.25	51	3.8	32.5	0.47	QRE-10F	PX-S146Z
		37	GEM1256M4ME30	30	1.0	57	3.15	37.5	0.4	QRE-10F	PX-S146Z
		38	GEO1256M4ME37	37	1.0	67	3.15	44	0.32	QRE-13F	PX-160Z
		39	GEO1256M4ME45	45	1.0	77	3.15	55	0.23	QRE-13F	PX-160Z
		40	GEO1256M4ME55	55	1.0	86	3.15	66	0.14	PBKV-145-1509-09	PX-160Z
150	125	41	GEK1506M4ME11	11	2.0	17.2	5.6	6.2	0.81	QRE-08F	PX-130Z
		42	GEK1506M4ME15	15	2.0	22	5.6	11.8	0.77	QRE-08F	PX-130Z
		43	GEK1506M4ME18	18.5	2.0	24.8	6.3	12	0.75	QRE-09F	PX-130Z
		44	GEL1506M4ME22	22	2.0	30	6.3	12.5	0.7	QRE-10F	PX-130ZST
		45	GEL1506M4ME30	30	2.0	36	6.3	18.5	0.64	QRE-10F	PX-S146Z
		46	GEM1506M4ME30	30	2.0	39	6.3	14	0.56	QRE-12F	PX-145Z
		47	GEM1506M4ME37	37	2.0	45	6.3	21.5	0.51	QRE-13F	PX-160Z
		48	GEM1506M4ME45	45	2.0	51	6.3	27.5	0.46	QRE-13F	PX-160Z
		49	GEM1506M4ME55	55	2.0	57	6.3	35.5	0.40	PBKV-145-1509-09	PX-160Z
		50	GEO1506M4ME55	55	2.0	66	5.6	38	0.32	PBKV-145-1509-09	PX-160ZA
		51	GEO1506M4ME75	75	2.0	80	6.3	46	0.19	PBKV-170-20012-14	PX-180Z

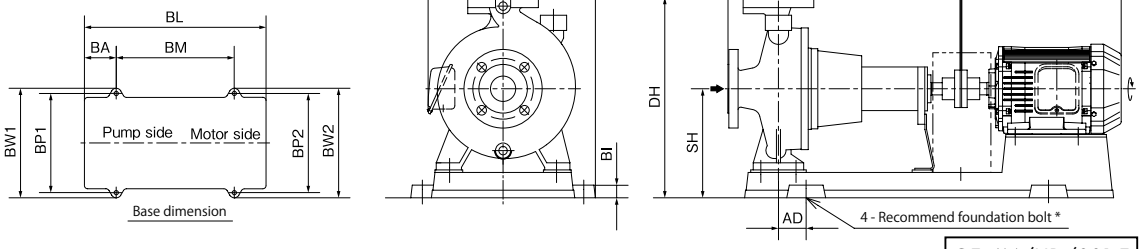
GE-4M Type

Outline dimension table

Inquire specification sheets and drawings in case of actual work planing

Flange: JIS 10K standard type

(Companion flange are optional accessories)



* Foundation bolts are optional accessories. If you need them, please buy yourself.

GE-4M/HD/001 E

50Hz

unit: mm GE-4M/Hd/502 E

Suction bore	Discharge bore	Model	Motor	Pump		Base								Combinations						Mass
mm	mm		kW	SC	PL	BI	BL	BA	BM	BP1	BP2	BW1	BW2	DH	SH	TL	AD	J	W	kg
40	32	GEJ-40X325M-4MN0.4	0.4	80	440	25	647	111	420	290	210	336	256	347	187	681	45	3	-	46
		GEK-40X325M-4MN0.4	0.4	80	440	25	654	112	420	290	230	336	276	395	215	681	45	3	-	53
		GEK405M4ME0.75	0.75	80	440	25	733	122	480	290	290	336	336	395	215	*746	55	3	-	65
50	40	GEJ-50X405M-4MN0.4	0.4	80	440	25	647	111	420	290	210	336	256	347	187	681	45	3	-	47
		GEJ505M4ME0.75	0.75	80	440	25	727	121	480	290	230	336	276	347	187	*741	55	3	-	55
		GEK505M4ME0.75	0.75	100	460	25	733	122	480	320	320	366	366	395	215	*766	55	3	-	64
		GEK505M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	395	215	778	55	3	-	71
		GEL505M4ME2.2	2.2	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	3	-	101
65	50	GEJ655M4ME0.75	0.75	100	460	25	733	122	480	320	320	366	366	395	215	744	55	3	-	67
		GEK655M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	415	215	778	55	3	-	77
		GEK655M4ME2.2	2.2	100	460	25	731	122	480	320	320	366	366	425	225	820	55	3	-	88
		GEL655M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	3	-	111
80	65	GEJ805M4ME1.5	1.5	100	460	25	732	122	480	350	260	396	306	415	215	778	40	3	-	74
		GEJ805M4ME2.2	2.2	100	460	25	822	138	540	350	290	396	336	425	225	*839	55	3	-	90
		GEK805M4ME2.2	2.2	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	3	-	94
		GEK805M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	3	-	107
		GEL805M4ME5.5	5.5	100	570	35	923	158	600	440	350	498	408	515	265	1001	60	3	-	156
		GEM805M4ME7.5	7.5	125	595	35	1029	180	660	490	350	548	408	590	310	1064	80	3	-	189
		GEM805M4ME11	11	125	595	35	1146	199	740	490	400	548	458	590	310	* 1172	100	3	-	228
100	80	GEK1005M4ME3.7	3.7	125	595	35	921	158	600	440	350	498	408	495	245	970	75	3	-	130
		GEL1005M4ME5.5	5.5	125	595	35	1029	180	660	490	350	548	408	590	310	* 1054	80	3	-	180
		GEL1005M4ME7.5	7.5	125	595	35	1029	180	660	490	350	548	408	590	310	1064	80	3	-	191
		GEM1005M4ME11	11	125	595	35	1146	199	740	490	400	548	458	650	335	* 1172	100	3	-	238
		GEM1005M4ME15	15	125	595	35	1146	199	740	490	400	548	458	650	335	1193	100	3	-	261
125	100	GEK1255M4ME3.7	3.7	125	595	35	927	158	600	440	320	498	378	545	265	970	60	3	-	146
		GEK1255M4ME5.5	5.5	125	595	35	923	158	600	440	350	498	408	545	265	1026	60	3	-	165
		GEL1255BM4ME7.5	7.5	140	610	35	1029	180	660	490	350	548	408	590	310	1079	80	3	-	196
		GEL1255BM4ME11	11	140	610	35	1146	199	740	490	400	548	458	590	310	* 1187	100	3	-	227
		GEM1255BM4ME15	15	140	610	35	1146	199	740	490	400	548	458	650	335	1208	100	3	-	273
		GEM1255BM4ME18	18.5	140	610	35	1186	199	740	490	490	548	548	650	335	1278	100	3	564	358
		GEM1255M4ME18	18.5	140	610	35	1186	199	740	490	490	548	548	650	335	1278	100	3	564	364
		GEO1255M4ME22	22	140	670	35	1276	214	840	600	490	668	558	720	365	1338	95	3	-	457
		GEO1255M4ME30	30	140	670	35	1276	214	840	600	490	668	558	720	365	1411	95	3	-	489
150	125	GEK1505M4ME7.5	7.5	140	610	35	1029	180	660	490	350	548	408	650	335	1079	80	3	-	189
		GEK1505M4ME11	11	140	610	35	1146	199	740	490	400	548	458	650	335	* 1187	100	3	-	238
		GEL1505M4ME15	15	140	610	35	1146	199	740	490	400	548	458	690	335	1208	100	3	-	274
		GEL1505M4ME18	18.5	140	610	35	1186	199	740	490	490	548	548	690	335	1278	100	3	564	381
		GEM1505M4ME18	18.5	140	670	35	1276	214	840	600	490	668	558	720	365	1338	95	3	-	432
		GEM1505M4ME22	22	140	670	35	1276	214	840	600	490	668	558	720	365	1338	95	3	-	447
		GEM1505M4ME30	30	140	670	35	1276	214	840	600	490	668	558	720	365	1411	95	3	-	479
		GEM1505M4ME37	37	140	670	35	1321	214	840	600	490	668	558	720	365	1518	95	4	-	576
		GE01505M4ME30	30	140	670	35	1280	214	840	600	490	668	558	805	405	1411	95	3	-	526
		GE01505M4ME37	37	140	670	50	1432	241	940	600	600	670	670	820	420	1518	120	4	-	677
		GE01505M4ME45	45	140	670	50	1432	241	940	600	600	670	670	820	420	1518	120	4	-	671
		GE01505M4ME55	55	140	670	50	1432	241	940	600	600	670	670	820	420	1525	120	4	-	751

* The dimension on the table is not the edge of the motor, but the edge of the base.

Note) In case W ≤ BW1, W is omitted.

GE-4M Type

60Hz

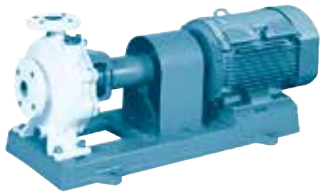
unit: mm | GE-4M/Hd/602 E

Suction bore	Discharge bore	Model	Motor	Pump		Base								Combinations						Mass
mm	mm		kW	SC	PL	BI	BL	BA	BM	BP1	BP2	BW1	BW2	DH	SH	TL	AD	J	W	kg
40	32	GEJ-40X326M-4MN0.4	0.4	80	440	25	647	111	420	290	210	336	256	347	187	681	45	3	–	47
		GEJ406M4ME0.75	0.75	80	440	25	727	121	480	290	230	336	276	347	187	*741	55	3	–	55
		GEK406M4ME0.75	0.75	80	440	25	733	122	480	290	290	336	336	395	215	*746	55	3	–	64
		GEK406M4ME1.5	1.5	80	440	25	734	123	480	290	290	336	336	405	225	758	55	3	–	70
50	40	GEJ506M4ME0.75	0.75	80	440	25	727	121	480	290	230	336	276	347	187	*741	55	3	–	55
		GEJ506M4ME1.5	1.5	80	440	25	722	120	480	290	290	336	336	347	187	758	55	3	–	61
		GEK506M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	395	215	778	55	3	–	71
		GEK506M4ME2.2	2.2	100	460	25	731	122	480	320	320	366	366	405	225	820	55	3	–	82
		GEL506M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	3	–	109
65	50	GEJ656M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	395	215	778	55	3	–	74
		GEK656M4ME2.2	2.2	100	460	25	731	122	480	320	320	366	366	425	225	820	55	3	–	88
		GEK656M4ME3.7	3.7	100	460	25	821	138	540	320	320	366	366	425	225	*853	70	3	–	109
		GEL656M4ME5.5	5.5	100	460	35	825	140	540	400	320	458	378	490	265	891	55	3	–	137
80	65	GEJ806M4ME2.2	2.2	100	460	25	822	138	540	350	290	396	336	425	225	*839	55	3	–	90
		GEJ806M4ME3.7	3.7	100	460	25	823	139	540	350	290	396	336	437	237	*839	55	3	–	103
		GEK806M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	3	–	107
		GEK806M4ME5.5	5.5	100	460	35	825	140	540	400	320	458	378	490	265	891	55	3	–	131
		GEL806M4ME7.5	7.5	100	570	35	1026	179	660	440	350	498	408	535	285	1039	80	3	–	173
		GEL806M4ME11	11	100	570	35	1140	199	740	440	440	498	498	535	285	* 1141	100	3	518	200
		GEM806M4ME15	15	125	595	35	1146	199	740	490	400	548	458	590	310	1193	100	3	–	249
		GEM806M4ME18	18.5	125	595	35	1146	199	740	490	490	548	548	590	310	1263	100	3	564	337
100	80	GEJ1006M4ME3.7	3.7	125	485	35	823	138	540	400	320	458	378	470	245	*865	55	3	–	141
		GEJ1006M4ME5.5	5.5	125	485	35	825	140	540	400	320	458	378	490	265	916	55	3	–	135
		GEK1006M4ME7.5	7.5	125	595	35	1021	178	660	440	350	498	408	495	245	1064	95	3	–	157
		GEL1006M4ME11	11	125	595	35	1146	199	740	490	400	548	458	590	310	* 1172	100	3	–	226
		GEL1006M4ME15	15	125	595	35	1146	199	740	490	400	548	458	590	310	1193	100	3	–	250
		GEM1006M4ME18	18.5	125	595	35	1186	199	740	490	490	548	548	650	335	1263	100	3	564	341
		GEM1006M4ME22	22	125	595	35	1186	199	740	490	490	548	548	650	335	1263	100	3	564	366
125	100	GEJ1256M4ME3.7	3.7	125	595	35	927	158	600	440	320	498	378	515	265	970	60	3	–	137
		GEJ1256M4ME5.5	5.5	125	595	35	923	158	600	440	350	498	408	515	265	1026	60	3	–	156
		GEK1256M4ME7.5	7.5	125	595	35	1026	179	660	440	350	498	408	565	285	1064	80	3	–	180
		GEK1256M4ME11	11	125	595	35	1140	199	740	440	440	498	498	565	285	* 1166	100	3	518	211
		GEL1256BM4ME15	15	140	610	35	1146	199	740	490	400	548	458	590	310	1208	100	3	–	256
		GEL1256BM4ME18	18.5	140	610	35	1146	199	740	490	490	548	548	590	310	1278	100	3	564	339
		GEM1256BM4ME22	22	140	610	35	1186	199	740	490	490	548	548	650	335	1278	100	3	564	382
		GEM1256BM4ME30	30	140	610	35	1186	199	740	490	490	548	548	650	335	1351	100	3	–	412
		GEM1256M4ME30	30	140	610	35	1186	199	740	490	490	548	548	650	335	1351	100	3	–	404
		GEO1256M4ME37	37	140	670	35	1321	214	840	600	490	668	558	720	365	1518	95	4	–	581
		GEO1256M4ME45	45	140	670	35	1321	214	840	600	490	668	558	720	365	1518	95	4	–	587
		GEO1256M4ME55	55	140	670	50	1429	241	940	600	600	670	670	740	385	1525	120	4	–	695
150	125	GEK1506M4ME11	11	140	610	35	1146	199	740	490	400	548	458	650	335	* 1187	100	3	–	238
		GEK1506M4ME15	15	140	610	35	1146	199	740	490	400	548	458	650	335	1208	100	3	–	252
		GEK1506M4ME18	18.5	140	610	35	1186	199	740	490	490	548	548	650	335	1278	100	3	564	346
		GEL1506M4ME22	22	140	610	35	1186	199	740	490	490	548	548	690	335	1278	100	3	564	410
		GEL1506M4ME30	30	140	610	35	1186	199	740	490	490	548	548	690	335	1351	100	3	–	437
		GEM1506M4ME30	30	140	670	35	1276	214	840	600	490	668	558	720	365	1411	95	3	–	476
		GEM1506M4ME37	37	140	670	35	1321	214	840	600	490	668	558	720	365	1518	95	4	–	571
		GEM1506M4ME45	45	140	670	35	1321	214	840	600	490	668	558	720	365	1518	95	4	–	577
		GEM1506M4ME55	55	140	670	50	1429	241	940	600	600	670	670	740	385	1525	120	4	–	685
		GEO1506M4ME55	55	140	670	50	1432	241	940	600	600	670	670	820	420	1525	120	4	–	749
		GEO1506M4ME75	75	140	670	50	1429	241	940	600	600	670	670	820	420	1592	120	4	–	890

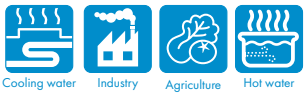
* The dimension on the table is not the edge of the motor, but the edge of the base.

Note) In case W ≤ BW1, W is omitted.

GEN-4M Type Nylon coating centrifugal pump 4 pole



Application



(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to Back Pull Out structure
- Long life mechanical seal is adapted for shaft sealing
- Stable and advantageous to loading and installation
- Wide application with the high efficiency and good suction performance
- Less vibration and quiet operation sound because of 4 pole motor
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.
- Japanese Industrial Standards (JIS B 8313) compliant

Standard specifications

- Liquid: Clean water 0~40°C (No freezing)
- Materials: Impeller: Bronze; Shaft: SUS316 (Wetted part); Casing: Cast iron + Nylon coating
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum back pressure

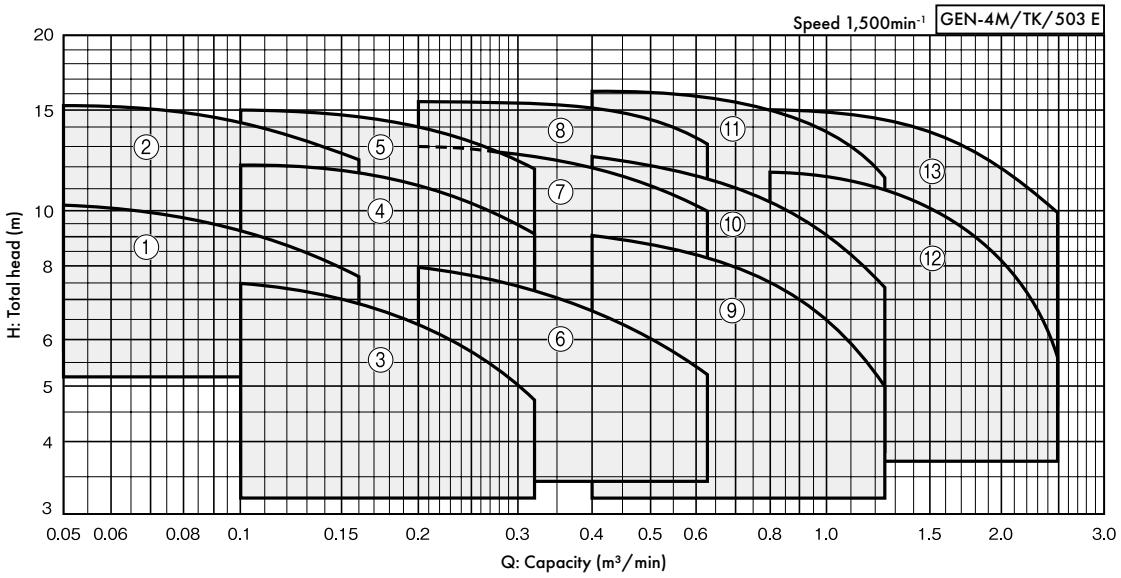
(1 - The shut-off pressure) MPa

Maximum suction total head (20°C)

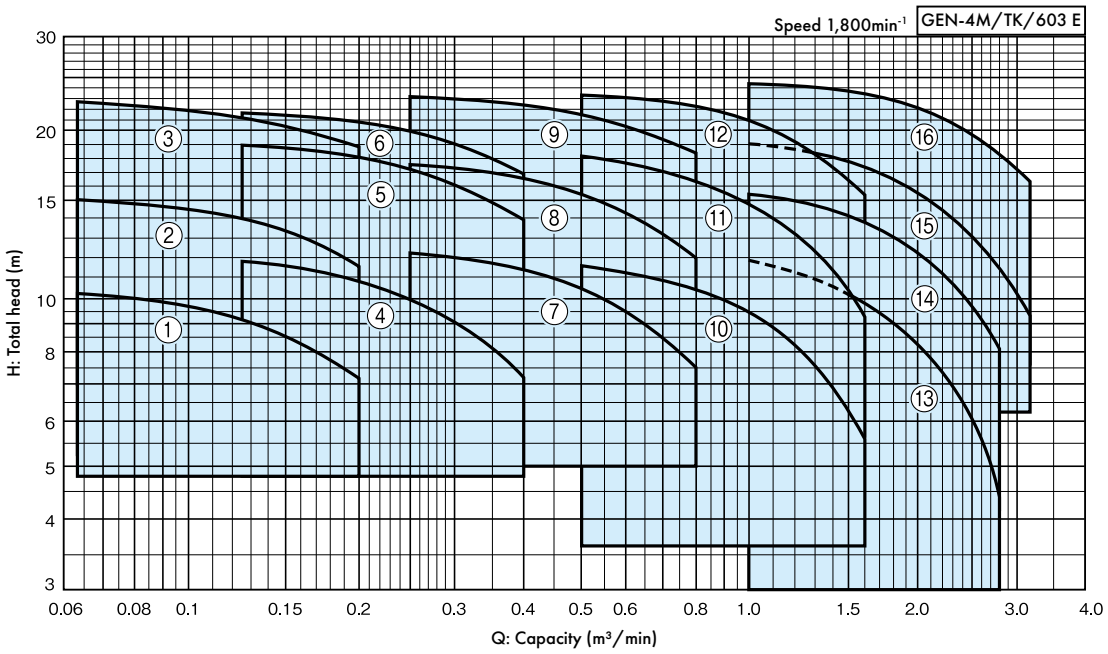
Refer to P.14.

Selection chart

50Hz



60Hz



GEN-4M Type

Specification table

50Hz

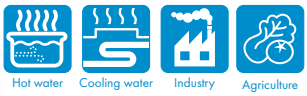
Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GEN-4M/SI/503 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEN-40X325M-4MN0.4	0.4	0.05	10.2	0.16	7.8	0.86	QRE-02A	PX-85Z
		2	GEN405M4ME0.75	0.75	0.05	15.2	0.16	12.5	0.81	QRE-04D	PX-85Z
50	40	3	GEN-50X405M-4MN0.4	0.4	0.1	7.5	0.32	4.8	0.89	QRE-02A	PX-85Z
		4	GEN505M4ME0.75	0.75	0.1	12.2	0.32	9.2	0.85	QRE-04D	PX-85Z
		5	GEN505M4ME1.5	1.5	0.1	14.8	0.32	12	0.82	QRE-04D	PX-85Z
65	50	6	GEN655M4ME0.75	0.75	0.2	8	0.63	5.2	0.89	QRE-04D	PX-85Z
		7	GEN655M4ME1.5	1.5	0.2	13	0.63	10	0.84	QRE-04D	PX-85Z
		8	GEN655M4ME2.2	2.2	0.2	15.5	0.63	13.2	0.80	QRE-04D	PX-85Z
80	65	9	GEN805M4ME1.5	1.5	0.4	9	1.25	5	0.87	QRE-04D	PX-85Z
		10	GEN805M4ME2.2	2.2	0.4	12.5	1.25	7.5	0.84	QRE-04D	PX-110Z
		11	GEN805M4ME3.7	3.7	0.4	16.2	1.25	11.5	0.79	QRE-04D	PX-110Z
125	100	12	GEN1255M4ME3.7	3.7	0.8	11.8	2.5	5.5	0.84	QRE-05D	PX-120Z
		13	GEN1255M4ME5.5	5.5	0.8	15	2.5	10	0.81	QRE-05D	PX-120Z

60Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GEN-4M/SI/603 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GEN-40X326M-4MN0.4	0.4	0.063	10.2	0.2	7.2	0.86	QRE-02A	PX-85Z
		2	GEN406M4ME0.75	0.75	0.063	15	0.2	11.5	0.81	QRE-04D	PX-85Z
		3	GEN406M4ME1.5	1.5	0.063	22.5	0.2	19	0.74	QRE-04D	PX-85Z
50	40	4	GEN506M4ME0.75	0.75	0.125	11.8	0.4	7.2	0.85	QRE-04D	PX-85Z
		5	GEN506M4ME1.5	1.5	0.125	19	0.4	14	0.77	QRE-04D	PX-85Z
		6	GEN506M4ME2.2	2.2	0.125	21.5	0.4	17	0.74	QRE-04D	PX-85Z
65	50	7	GEN656M4ME1.5	1.5	0.25	12.2	0.8	7.5	0.84	QRE-04D	PX-85Z
		8	GEN656M4ME2.2	2.2	0.25	17.5	0.8	12	0.78	QRE-04D	PX-85Z
		9	GEN656M4ME3.7	3.7	0.25	23.2	0.8	18.5	0.74	QRE-04D	PX-95Z
		10	GEN806M4ME2.2	2.2	0.5	11.5	1.6	5.5	0.84	QRE-04D	PX-95Z
		11	GEN806M4ME3.7	3.7	0.5	18.2	1.6	9.5	0.78	QRE-04D	PX-110Z
		12	GEN806M4ME5.5	5.5	0.5	23.2	1.6	15.2	0.74	QRE-04D	PX-110Z
125	100	13	GEN1256M4ME3.7	3.7	1.0	11.8	2.8	4.2	0.84	QRE-05D	PX-120Z
		14	GEN1256M4ME5.5	5.5	1.0	15.2	2.8	8	0.81	QRE-05D	PX-120Z
		15	GEN1256M4ME7.5	7.5	1.0	19	3.15	9.2	0.77	QRE-07F	PX-120Z
		16	GEN1256M4ME11	11	1.0	24.2	3.15	16.2	0.73	QRE-08F	PX-130Z

GF-4M Type High back pressure centrifugal pump 4 pole

Application



(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to Back Pull Out structure
- Stable and advantageous to loading and installation
- Wide application with the high efficiency and good suction performance
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.
- Japanese Industrial Standards (JIS B 8313) compliant

*Suction bore 200mm or less Please inquire in case suction bore 250mm or more

Standard specifications

- Liquid: Clean water 0~90°C (No freezing) 0~60°C (Bore 250mm or more)
- Materials: Impeller Bronze; Shaft SUS420J2, SUS403, or SUS630; Casing Cast iron or Ductile cast iron
- Shaft sealing: Gland packing
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type (Suction and Discharge) JIS 20K (Discharge) (GFQ model, Bore 250mm)

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum suction total head (20°C)

Standard model:
Positive suction application only (Back pressure: 0.1MPa or more)
Special model:
Negative suction or high back pressure application

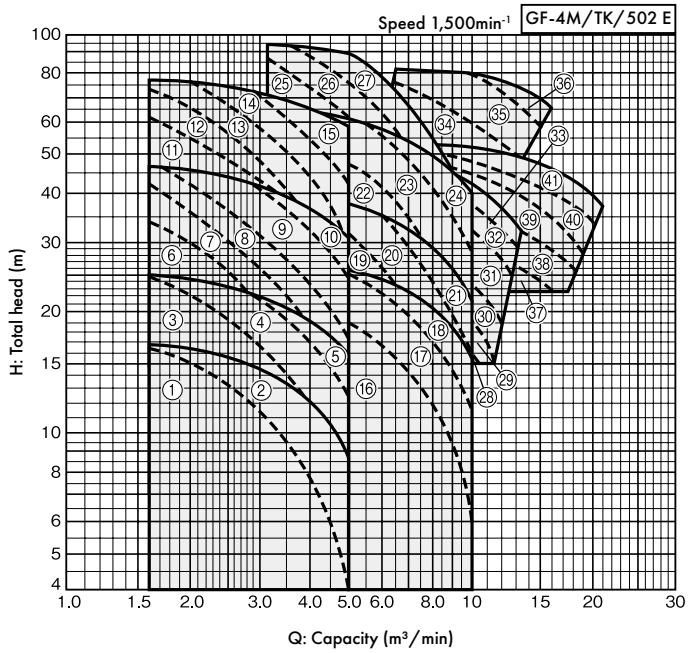
Maximum back pressure (20°C)

(1.4 - the shut-off pressure) MPa or 0.7Mpa either lower pressure

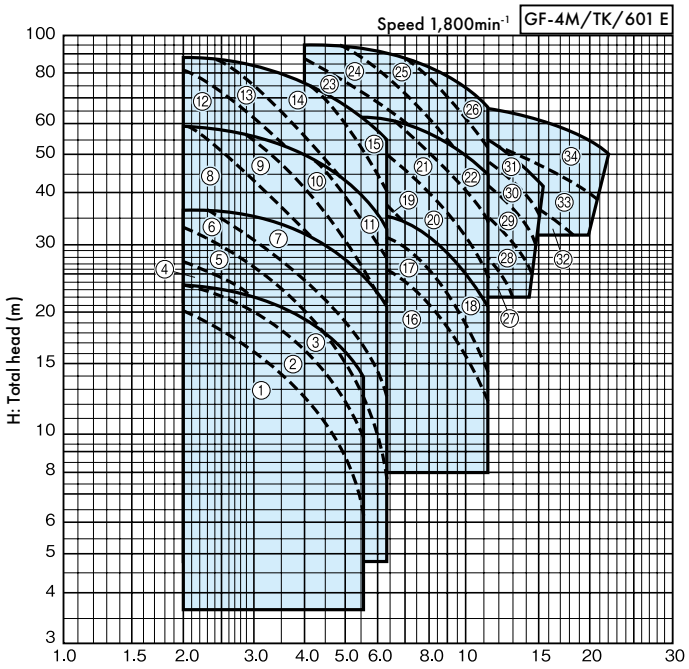
Note) Please inquire bore size is 250mm or more.

Selection chart

50Hz



60Hz



Specification table

GF-4M/SI/501 E

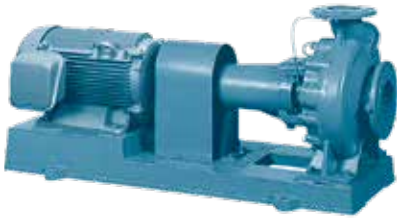
Ref.	Model	Motor kW	Ref.	Model	Motor kW
1	GFK1505G4ME7.5	7.5	22	GFO2005G4ME55	55
2	GFK1505G4ME11	11	23	GFO2005G4ME75	75
3	GFL1505G4ME11	11	24	GFO2005G4ME90	90
4	GFL1505G4ME15	15	25	GFQ2005G4ME75	75
5	GFL1505G4ME18	18.5	26	GFQ2005G4ME90	90
6	GFM1505G4ME15	15	27	GFQ2005G4ME110	110
7	GFM1505G4ME18	18.5	28	GFO2505G4ME37	37
8	GFM1505G4ME22	22	29	GFO2505G4ME45	45
9	GFM1505G4ME30	30	30	GFO2505G4ME55	55
10	GFM1505G4ME37	37	31	GFO2505G4ME75	75
11	GFO1505G4ME30	30	32	GFO2505G4ME90	90
12	GFO15Q5G4ME37	37	33	GFO2505G4ME110	110
13	GFO15Q5G4ME45	45	34	GFQ2505G4ME160	160
14	GFO1505G4ME55	55	35	GFQ2505G4ME200	200
15	GFO1505G4ME75	75	36	GFQ2505G4ME250	250
16	GFL2005G4ME22	22	37	GFO3005G4ME90	90
17	GFL2005G4ME30	30	38	GFO3005G4ME110	110
18	GFL2005G4ME37	37	39	GFO3005G4ME132	132
19	GFM2005G4ME37	37	40	GFO3005G4ME160	160
20	GFM200504ME45	45	41	GFO3005G4ME200	200
21	GFM2005G4ME55	55			

GF-4M/SI/601 E

Ref.	Model	Motor kW	Ref.	Model	Motor kW
1	GFK1506G4ME11	11	18	GFL2006G4ME55	55
2	GFK1506G4ME15	15	19	GFM2006G4ME55	55
3	GFK1506G4ME18	18.5	20	GFM2006G4ME75	75
4	GFL1506G4ME15	15	21	GFM2006G4ME90	90
5	GFL1506G4ME18	18.5	22	GFM2006G4ME110	110
6	GFL1506G4ME22	22	23	GFO2006G4ME90	90
7	GFL1506G4ME30	30	24	GFO2006G4ME110	110
8	GFM1506G4ME30	30	25	GFO2006G4ME132	132
9	GFM1506G4ME37	37	26	GFO2006G4ME160	160
10	GFM1506G4ME45	45	27	GFO2506G4ME75	75
11	GFM1506G4ME55	55	28	GFO2506G4ME90	90
12	GFO1506G4ME45	45	29	GFO2506G4ME110	110
13	GFO1506G4ME55	55	30	GFO2506G4ME132	132
14	GFO1506G4ME75	75	31	GFO2506G4ME160	160
15	GFO1506G4ME90	90	32	GFO3006G4ME160	160
16	GFL2006G4ME37	37	33	GFO3006G4ME200	200
17	GFL2006G4ME45	45	34	GFO3006G4ME250	250

GD-$^{2}_{4}$M Type High back pressure centrifugal pump

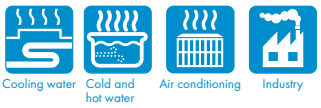
2 Pole
4 Pole



Maximum suction total head

Exclusive for positive suction application

Application



(Please inquire in case drinking water application)

Features

- High back pressure series adopting balance type mechanical seal for shaft sealing and Ductile cast iron material for casing.
- Wide application with the high efficiency and good suction performance
- Less vibration and quiet operation sound
- Easy maintenance and inspection due to Back Pull Out structure
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.

Standard specifications

- Liquid: Clean water 0~80°C (No freezing)
- Materials: Impeller: Bronze; Shaft: SUS420J2 or SUS630; Casing: Ductile cast iron
- Shaft sealing: Balance type mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

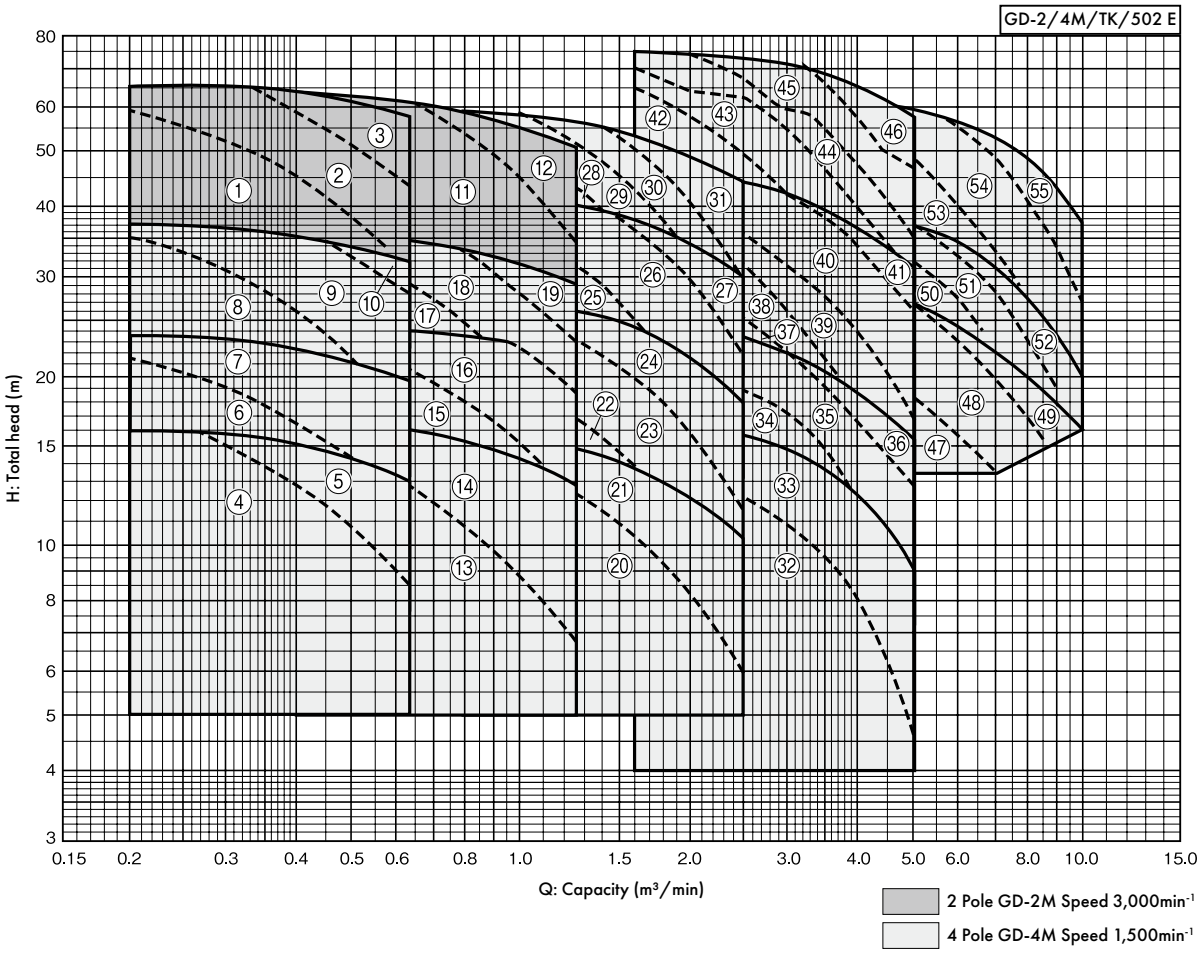
Motor, Base, Coupling, Coupling cover

Maximum back pressure

(1.4 - the shut-off pressure) MPa

Selection chart

50Hz

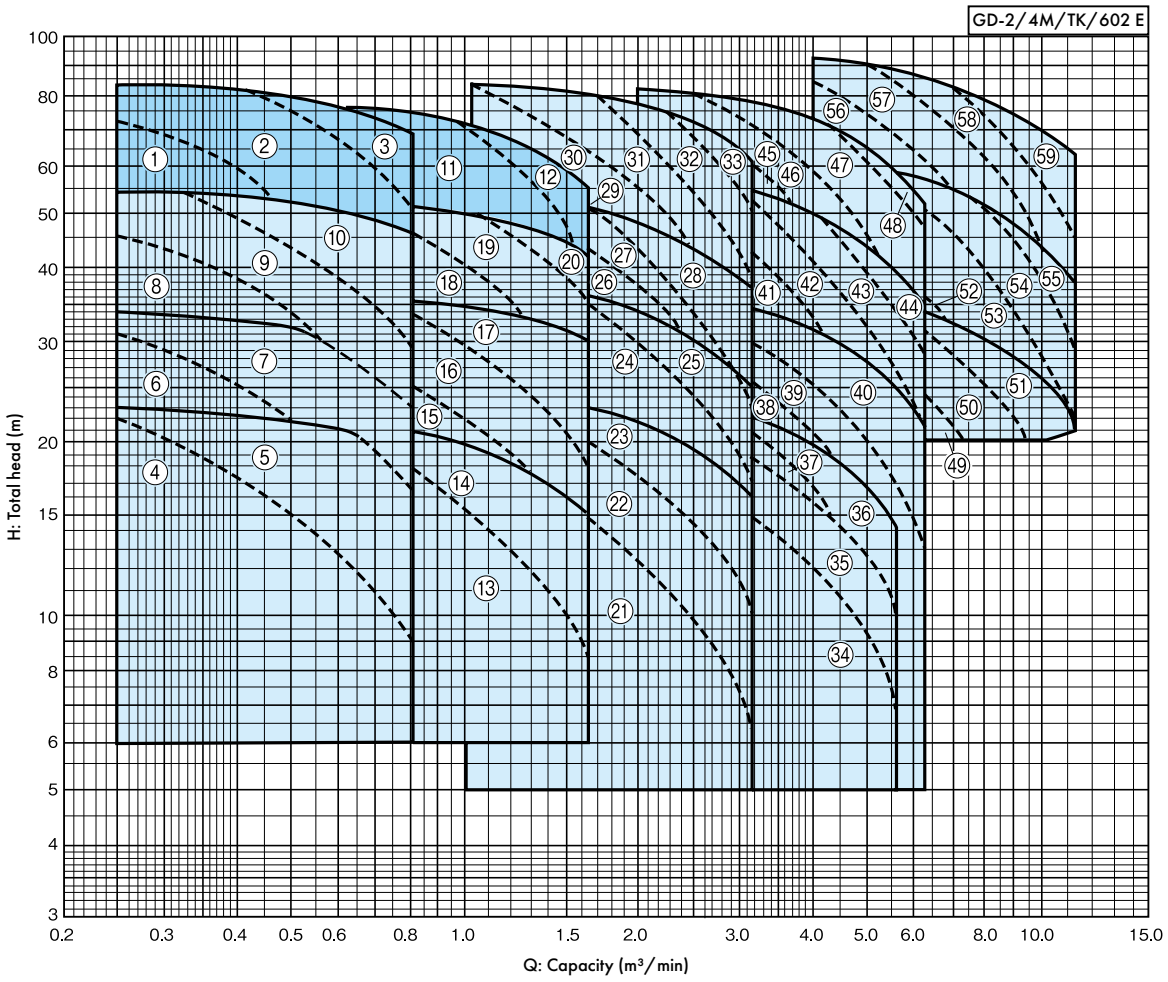


GD-2/4-M/SI/501 E

Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole
1	GDK655M2ME5.5	5.5	2	16	GDL1005M4ME5.5	5.5	4	31	GDO1255M4ME30	30	4	46	GDO1505M4ME75	75	4
2	GDK655M2ME7.5	7.5	2	17	GDM1005M4ME5.5	5.5	4	32	GDK1505M4ME7.5	7.5	4	47	GDL2005M4ME22	22	4
3	GDK655M2ME11	11	2	18	GDM1005M4ME7.5	7.5	4	33	GDK1505M4ME11	11	4	48	GDL2005M4ME30	30	4
4	GDK805M4ME1.5	1.5	4	19	GDM1005M4ME11	11	4	34	GDL1505M4ME11	11	4	49	GDL2005M4ME37	37	4
5	GDK805M4ME2.2	2.2	4	20	GDK1255M4ME3.7	3.7	4	35	GDL1505M4ME15	15	4	50	GDM2005M4ME37	37	4
6	GDL805M4ME2.2	2.2	4	21	GDK1255M4ME5.5	5.5	4	36	GDL1505M4ME18	18.5	4	51	GDM2005M4ME45	45	4
7	GDL805M4ME3.7	3.7	4	22	GDL1255M4ME5.5	5.5	4	37	GDM1505M4ME15	15	4	52	GDM2005M4ME55	55	4
8	GDM805M4ME3.7	3.7	4	23	GDL1255M4ME7.5	7.5	4	38	GDM1505M4ME18	18.5	4	53	GDO2005M4ME55	55	4
9	GDM805M4ME5.5	5.5	4	24	GDL1255M4ME11	11	4	39	GDM1505M4ME22	22	4	54	GDO2005M4ME75	75	4
10	GDM805M4ME7.5	7.5	4	25	GDM1255M4ME11	11	4	40	GDM1505M4ME30	30	4	55	GDO2005M4ME90	90	4
11	GDK805M2ME11	11	2	26	GDM1255M4ME15	15	4	41	GDM1505M4ME37	37	4				
12	GDK805M2ME15	15	2	27	GDM1255M4ME18	18.5	4	42	GDO1505M4ME30	30	4				
13	GDK1005M4ME2.2	2.2	4	28	GDO1255M4ME15	15	4	43	GDO1505M4ME37	37	4				
14	GDK1005M4ME3.7	3.7	4	29	GDO1255M4ME18	18.5	4	44	GDO1505M4ME45	45	4				
15	GDL1005M4ME3.7	3.7	4	30	GDO1255M4ME22	22	4	45	GDO1505M4ME55	55	4				

Selection chart

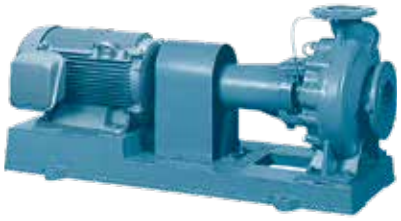
60Hz



GD-2/4-M/SI/601 E

Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole	Ref.	Model	Motor kW	Pole
1	GDK656M2ME7.5	7.5	2	16	GDL1006M4ME7.5	7.5	4	31	GDO1256M4ME37	37	4	46	GDO1506M4ME55	55	4
2	GDK656M2ME11	11	2	17	GDL1006M4ME11	11	4	32	GDO1256M4ME45	45	4	47	GDO1506M4ME75	75	4
3	GDK656M2ME15	15	2	18	GDM1006M4ME11	11	4	33	GDO1256M4ME55	55	4	48	GDO1506M4ME90	90	4
4	GDK806M4ME2.2	2.2	4	19	GDM1006M4ME15	15	4	34	GDK1506M4ME11	11	4	49	GDL2006M4ME37	37	4
5	GDK806M4ME3.7	3.7	4	20	GDM1006M4ME18	18.5	4	35	GDK1506M4ME15	15	4	50	GDL2006M4ME45	45	4
6	GDL806M4ME3.7	3.7	4	21	GDK1256M4ME5.5	5.5	4	36	GDK1506M4ME18	18.5	4	51	GDL2006M4ME55	55	4
7	GDL806M4ME5.5	5.5	4	22	GDK1256M4ME7.5	7.5	4	37	GDL1506M4ME15	15	4	52	GDM2006M4ME55	55	4
8	GDM806M4ME5.5	5.5	4	23	GDK1256M4ME11	11	4	38	GDL1506M4ME18	18.5	4	53	GDM2006M4ME75	75	4
9	GDM806M4ME7.5	7.5	4	24	GDL1256M4ME15	15	4	39	GDL1506M4ME22	22	4	54	GDM2006M4ME90	90	4
10	GDM806M4ME11	11	4	25	GDL1256M4ME18	18.5	4	40	GDL1506M4ME30	30	4	55	GDM2006M4ME110	110	4
11	GDK806M2ME18	18.5	2	26	GDM1256M4ME1 8	18.5	4	41	GDM1506M4ME30	30	4	56	GDO2006M4ME90	90	4
12	GDK806M2ME22	22	2	27	GDM1256M4ME22	22	4	42	GDM1506M4ME37	37	4	57	GDO2006M4ME110	110	4
13	GDK1006M4ME3.7	3.7	4	28	GDM1256M4ME30	30	4	43	GDM1506M4ME45	45	4	58	GDO2006M4ME132	132	4
14	GDK1006M4ME5.5	5.5	4	29	GDO1256M4ME22	22	4	44	GDM1506M4ME55	55	4	59	GDO2006M4ME160	160	4
15	GDL1006M4ME5.5	5.5	4	30	GDO1256M4ME30	30	4	45	GDO1506M4ME45	45	4 I				

GDF-4M Type High back pressure centrifugal pump 4 pole



Application

(Please inquire in case drinking water application)

Features

- Further high back pressure series than GD type adopting balance type mechanical seal for shaft sealing and Ductile cast iron material for casing.
- Wide application with the high efficiency and good suction performance
- Easy maintenance and inspection due to Back Pull Out structure
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.

Maximum suction total head

Exclusive for positive suction application

Standard specifications

- Liquid: Clean water 0~80°C (No freezing)
  0~60°C (Bore 250mm or more)
- Materials: Impeller Bronze
  Shaft SUS420J2 or SUS630
  Casing Ductile cast iron
- Shaft sealing: Balance type mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type
  (Suction bore size is 250mm or more)
  JIS 16K
  (Suction bore size is 200mm or more)
  JIS 20K (Suction and Discharge)

Standard accessories

Motor, Base, Coupling, Coupling cover

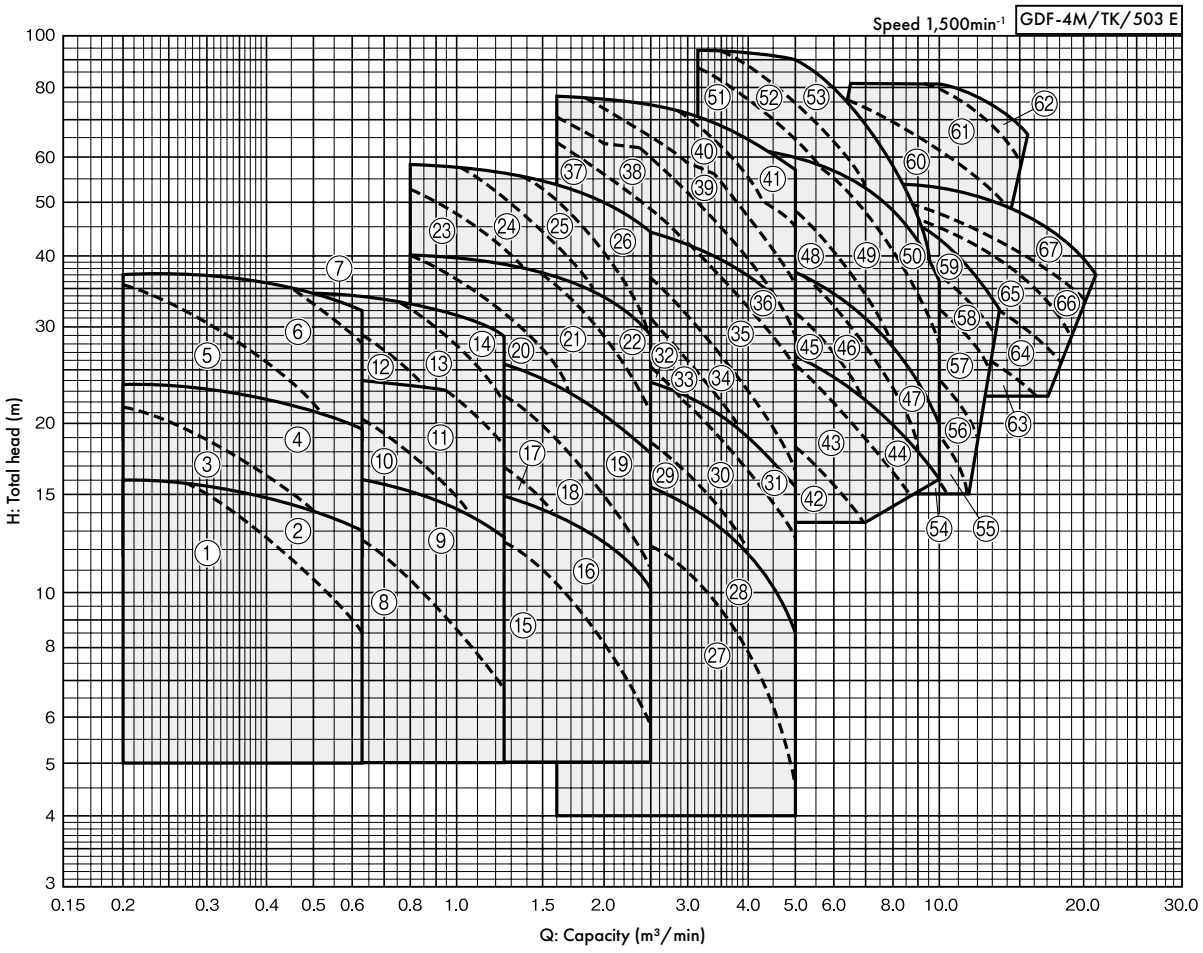
Maximum back pressure (20°C)

More than 0.5MPa below 2.0MPa
(Bore size 200mm: More than 0.5MPa below 2.0MPa)
(The maximum pumping pressure: 2.5MPa)

Note) Please inquire bore size is 250mm or more.

Selection chart

50Hz

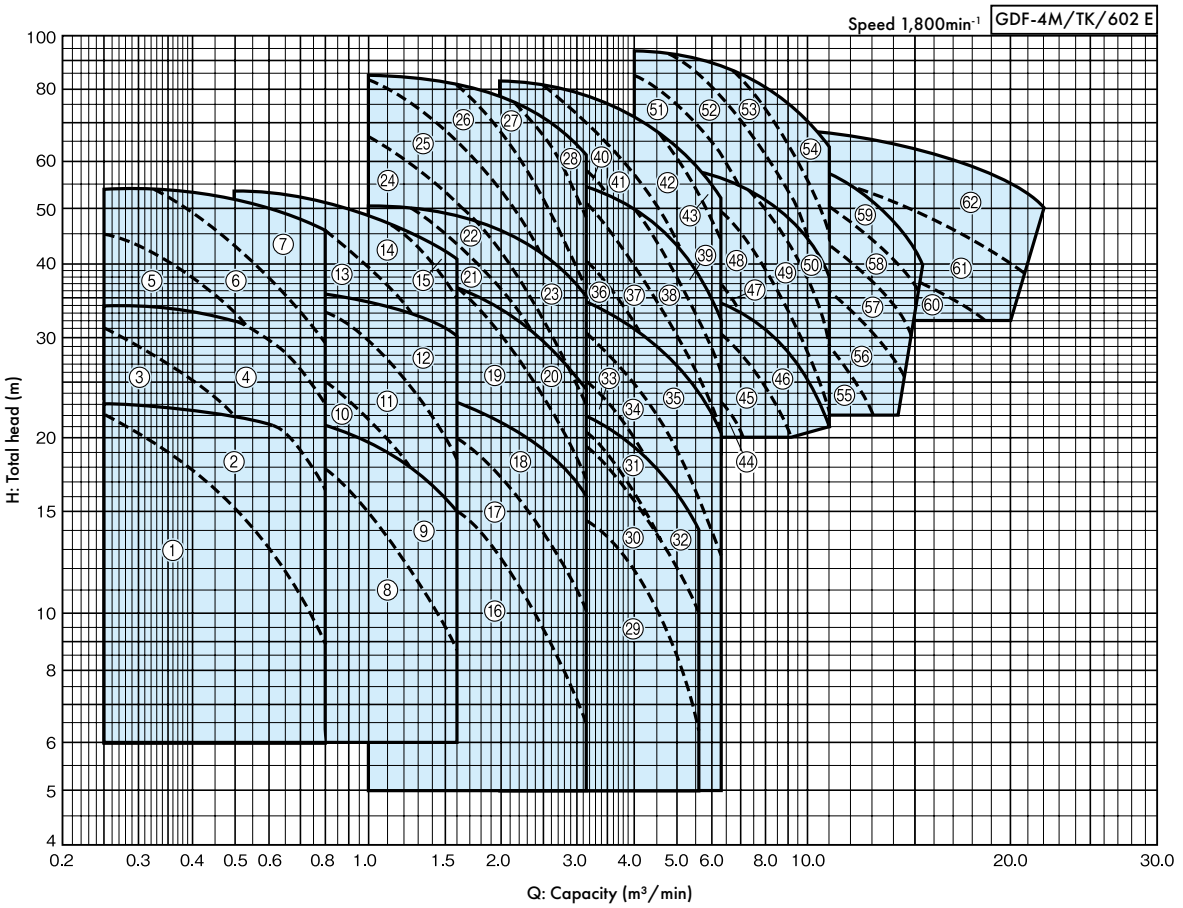


GDF-4M Type

Ref.	Model	Motor kW	Ref.	Model	Motor kW	Ref.	Model	Motor kW	Ref.	GDF-4M/SI/501 E Model	GDF-4M/SI/501 E Motor kW
1	GDFK805M4ME1.5	1.5	18	GDFL1255M4ME7.5	7.5	35	GDFM1505M4ME30	30	52	GDFQ2005M4ME90	90
2	GDFK805M4ME2.2	2.2	19	GDFL1255M4ME11	11	36	GDFM1505M4ME37	37	53	GDFQ2005M4ME110	110
3	GDFL805M4ME2.2	2.2	20	GDFM1255M4ME11	11	37	GDFO1505M4ME30	30	54	GDFO2505M4ME37	37
4	GDFL805M4ME3.7	3.7	21	GDFM1255M4ME15	15	38	GDFO1505M4ME37	37	55	GDFO2505M4ME45	45
5	GDFM805M4ME3.7	3.7	22	GDFM1255M4ME18	18.5	39	GDFO1505M4ME45	45	56	GDFO2505M4ME55	55
6	GDFM805M4ME5.5	5.5	23	GDFO1255M4ME15	15	40	GDFO1505M4ME55	55	57	GDFO2505M4ME75	75
7	GDFM805M4ME7.5	7.5	24	GDFO1255M4ME18	18.5	41	GDFO1505M4ME75	75	58	GDFO2505M4ME90	90
8	GDFK1005M4ME2.2	2.2	25	GDFO1255M4ME22	22	42	GDFL2005M4ME22	22	59	GDFO2505M4ME110	110
9	GDFK1005M4ME3.7	3.7	26	GDFO1255M4ME30	30	43	GDFL2005M4ME30	30	60	GDFQ2505M4ME160	160
10	GDFL1005M4ME3.7	3.7	27	GDFK1505M4ME7.5	7.5	44	GDFL2005M4ME37	37	61	GDFQ2505M4ME200	200
11	GDFL1005M4ME5.5	5.5	28	GDFK1505M4ME11	11	45	GDFM2005M4ME37	37	62	GDFQ2505M4ME250	250
12	GDFM1005M4ME5.5	5.5	29	GDFL1505M4ME11	11	46	GDFM2005M4ME45	45	63	GDFO3005M4ME90	90
13	GDFM1005M4ME7.5	7.5	30	GDFL1505M4ME15	15	47	GDFM2005M4ME55	55	64	GDFO3005M4ME110	110
14	GDFM1005M4ME11	11	31	GDFL1505M4ME18	18.5	48	GDFO2005M4ME55	55	65	GDFO3005M4ME132	132
15	GDFK1255M4ME3.7	3.7	32	GDFM1505M4ME15	15	49	GDFO2005M4ME75	75	66	GDFO3005M4ME160	160
16	GDFK1255M4ME5.5	5.5	33	GDFM1505M4ME18	18.5	50	GDFO2005M4ME90	90	67	GDFO3005M4ME200	200
17	GDFL1255M4ME5.5	5.5	34	GDFM1 505M4ME22	22	51	GDFQ2005M4ME75	75			

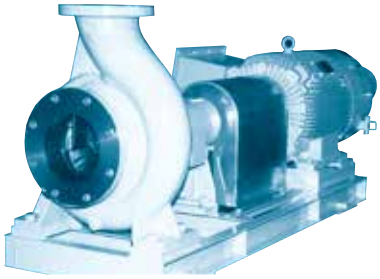
Selection chart

60Hz



Ref.	Model	Motor kW	Ref.	Model	Motor kW	Ref.	Model	Motor kW	Ref.	GDF-4M/SI/501 E Model	GDF-4M/SI/501 E Motor kW
1	GDFK806M4ME2.2	2.2	17	GDFK1256M4ME7.5	7.5	33	GDFL1506M4ME18	18.5	49	GDFM2006M4ME90	90
2	GDFK806M4ME3.7	3.7	18	GDFK1256M4ME11	11	34	GDFL1506M4ME22	22	50	GDFM2006M4ME110	110
3	GDFL806M4ME3.7	3.7	19	GDFL1256M4ME15	15	35	GDFL1506M4ME30	30	51	GDFO2006M4ME90	90
4	GDFL806M4ME5.5	5.5	20	GDFL1256M4ME18	18.5	36	GDFM1506M4ME30	30	52	GDFO2006M4ME110	110
5	GDFM806M4ME5.5	5.5	21	GDFM1256M4ME18	18.5	37	GDFM1506M4ME37	37	53	GDFO2006M4ME132	132
6	GDFM806M4ME7.5	7.5	22	GDFM1256M4ME22	22	38	GDFM1506M4ME45	45	54	GDFO2006M4ME160	160
7	GDFM806M4ME11	11	23	GDFM1256M4ME30	30	39	GDFM1506M4ME55	55	55	GDFO2506M4ME75	75
8	GDFK1006M4ME3.7	3.7	24	GDFO1256M4ME22	22	40	GDFQ1506M4ME45	45	56	GDFO2506M4ME90	90
9	GDFK1006M4ME5.5	5.5	25	GDFO1256M4ME30	30	41	GDFO1506M4ME55	55	57	GDFO2506M4ME110	110
10	GDFL1006M4ME5.5	5.5	26	GDFO1256M4ME37	37	42	GDFO1506M4ME75	75	58	GDFO2506M4ME132	132
11	GDFL1006M4ME7.5	7.5	27	GDFO1256M4ME45	45	43	GDFO1506M4ME90	90	59	GDFO2506M4ME160	160
12	GDFL1006M4ME11	11	28	GDFO1256M4ME55	55	44	GDFL2006M4ME37	37	60	GDFO3006M4ME160	160
13	GDFM1006M4ME11	11	29	GDFK1506M4ME11	11	45	GDFL2006M4ME45	45	61	GDFO3006M4ME200	200
14	GDFM1006M4ME15	15	30	GDFK1506M4ME15	15	46	GDFL2006M4ME55	55	62	GDFO3006M4ME250	250
15	GDFM1006M4ME18	18	31	GDFK1506M4ME18	18.5	47	GDFM2006M4ME55	75			
16	GDFK1256M4ME5.5	5.5	32	GDFL1506M4ME15	15	48	GDFM2006M4ME75	90			

QCP Type High back pressure centrifugal pump 4 pole



Application

Features

- Balance type mechanical seal for shaft sealing adoption
- Easy maintenance and inspection due to Back Pull Out structure
- Oil Lubrication for bearing adoption, long life

Standard specifications

- Liquid: Clean water -40~120°C
- Materials: Impeller: Cast iron; Shaft: SUS420J2; Casing: Ductile cast iron
- Shaft sealing: Balance type mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K or JIS 20K

Maximum back pressure

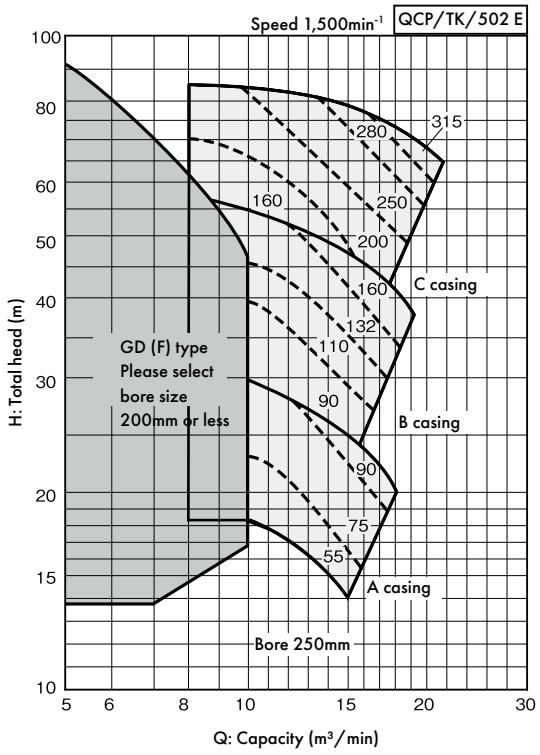
More than 0.98MPa below 2.45MPa
(The maximum pumping pressure: 2.45MPa)

Maximum suction total head

Exclusive for positive suction application

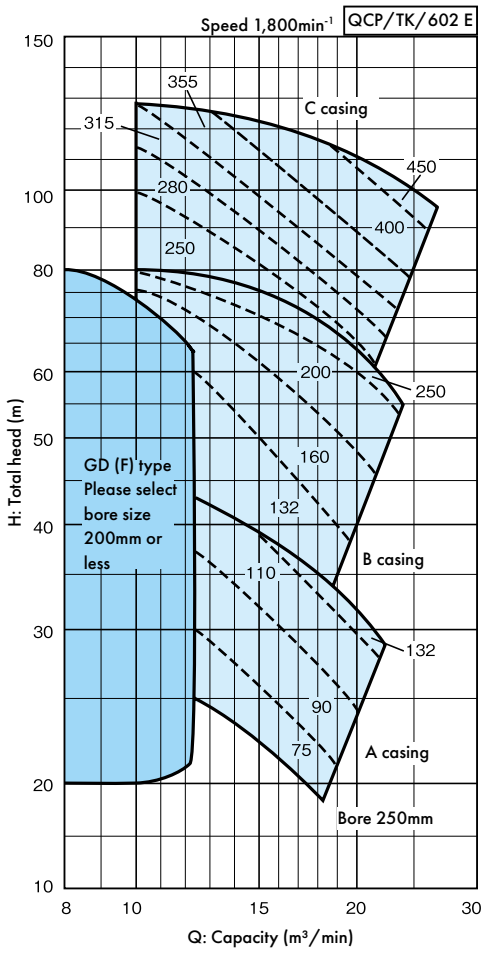
Selection chart

50Hz



The numbers on the figure show output of the motor (kW).

60Hz



The numbers on the figure show output of the motor (kW).

F Type Centrifugal pump 4 pole

Maximum suction total head (20°C)

Hz	Suction bore (mm)	Suction total head
50	40	-6m (0.4kW: -4.8m)
	50	-6m (0.4kW: -3.5m, 0.75kW: -5.5m)
	65	-6m (0.75kW: -4.2m)
	80	-6m (1.5kW: -4.8m)
	100	-6m (2.2kW: -4.8m)
	125	-5.5m (3.7kW: -4.8m)
	150	-5.5m (7.5kW or less : -5m)
60	100 or less	-6m (506ME0.75: -5.5m)
	125 · 150	-5.5m (1506ME7.5: -5m)

Standard specifications

- Liquid: Clean water 0~90°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: SUS403; Casing: Cast iron
- Shaft sealing: Gland packing
- Motor: TEFC indoor, Three phase
- Flange: JIS 10K thin type (JIS 10K standard type discharge flange of a part of models whose bore size 100mm or more)

Application

Cold and hot water circulation | Cooling water | Agriculture

(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to Back Pull Out structure

Standard accessories

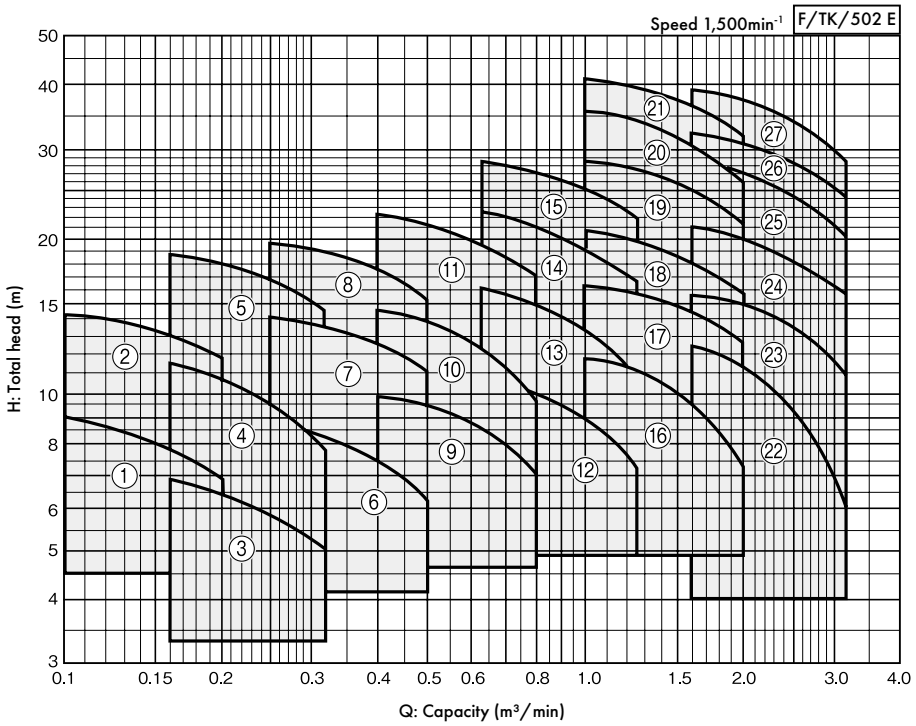
Motor, Base, Coupling, Exhaust valve, Coupling cover, Priming funnel, Priming valve

Maximum back pressure

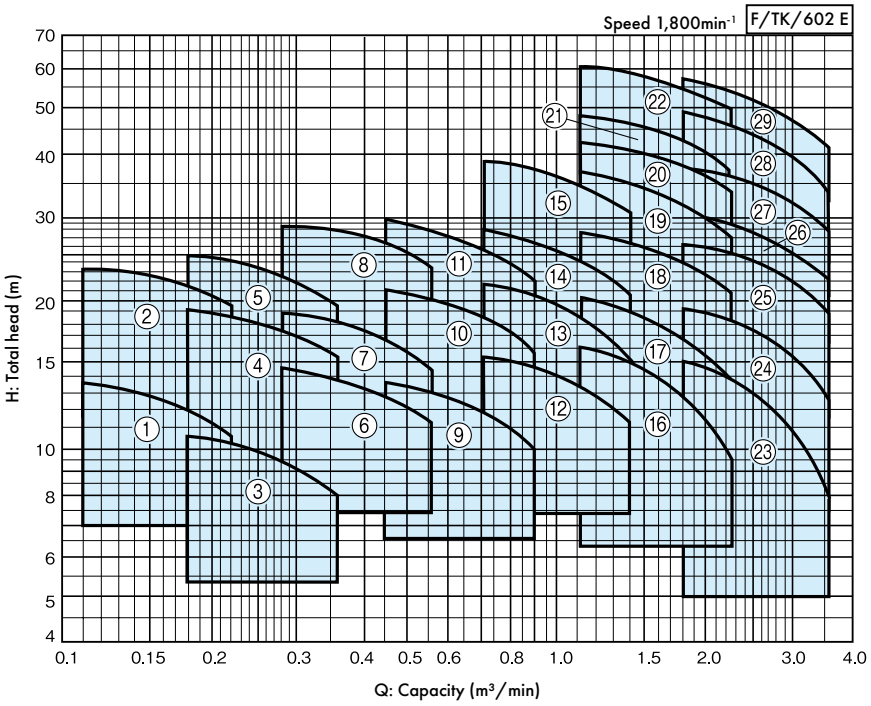
0.3 MPa

Selection chart

50Hz



60Hz



F Type

Specification table

50Hz

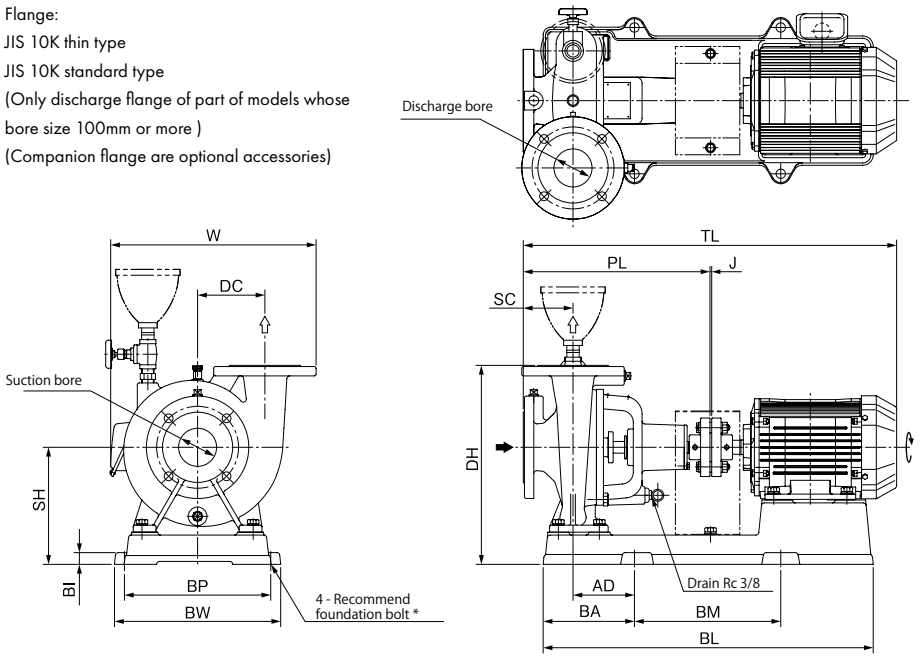
Bore	Ref.	Model	Motor	Standard specifications				F/SI/503 E	
				Capacity	Total head	Capacity	Total head	Vibration isolator application table	
mm			kW	m^3/min	m	m^3/min	m		
40	1	F-405-MN0.4	0.4	0.1	9	0.2	6.8	QRE-01A	PX-60Z
	2	F405ME0.75	0.75	0.1	14.2	0.2	11.8	QRE-02A	PX-75Z
50	3	F-505-MN0.4	0.4	0.16	6.8	0.32	5	QRE-01A	PX-60Z
	4	F505ME0.75	0.75	0.16	11.5	0.32	7.8	QRE-02A	PX-75Z
	5	F505ME1.5	1.5	0.16	18.8	0.32	14.5	QRE-02A	PX-75Z
65	6	F655ME0.75	0.75	0.25	8.8	0.5	6.2	QRE-02A	PX-75Z
	7	F655ME1.5	1.5	0.25	14	0.5	11	QRE-02A	PX-75Z
	8	F655ME2.2	2.2	0.25	19.5	0.5	15.2	QRE-02A	PX-75Z
80	9	F805ME1.5	1.5	0.4	9.8	0.8	7	QRE-02A	PX-75Z
	10	F805ME2.2	2.2	0.4	14.5	0.8	9.5	QRE-02A	PX-75Z
	11	F805ME3.7	3.7	0.4	22.2	0.8	17	QRE-04A	PX-85Z
100	12	F1005ME2.2	2.2	0.63	10.5	1.25	7.2	QRE-02A	PX-75Z
	13	F1005ME3.7	3.7	0.63	16	1.25	10.8	QRE-04A	PX-85Z
	14	F1005ME5.5	5.5	0.63	22.5	1.25	16.5	QRE-05D	PX-95Z
	15	F1005ME7.5	7.5	0.63	28.2	1.25	22	QRE-05D	PX-95Z
125	16	F1255ME3.7	3.7	1.0	11.8	2.0	7.2	QRE-04A	PX-85Z
	17	F1255ME5.5	5.5	1.0	16.2	2.0	12.5	QRE-05D	PX-95Z
	18	F1255ME7.5	7.5	1.0	20.5	2.0	15.5	QRE-06D	PX-110Z
	19	F1255ME11	11	1.0	28.5	2.0	21.5	QRE-08B	PX-110Z
	20	F1255ME15	15	1.0	35.5	2.0	26	QRE-09B	PX-120Z
	21	F1255ME18	18.5	1.0	41	2.0	32	QRE-10B	PX-120ZA
150	22	F1505ME5.5	5.5	1.6	12.5	3.15	6	QRE-05D	PX-95Z
	23	F1505ME7.5	7.5	1.6	15.5	3.15	10.8	QRE-08B	PX-110Z
	24	F1505ME11	11	1.6	21	3.15	15.5	QRE-08B	PX-110Z
	25	F1505ME15	15	1.6	28	3.15	20	QRE-09B	PX-120Z
	26	F1505ME18	18.5	1.6	32	3.15	24.5	QRE-10B	PX-130Z
	27	F1505ME22	22	1.6	38.5	3.15	28.5	QRE-10B	PX-130Z

60Hz

Bore	Ref.	Model	Motor	Standard specifications				F/SI/604 E	
				Capacity	Total head	Capacity	Total head	Vibration isolator application table	
mm			kW	m^3/min	m	m^3/min	m		
40	1	F406ME0.75	0.75	0.11	13.5	0.22	10.5	QRE-02A	PX-75Z
	2	F406ME1.5	1.5	0.11	23.2	0.22	19.5	QRE-02A	PX-75Z
50	3	F506ME0.75	0.75	0.18	10.5	0.36	8	QRE-02A	PX-75Z
	4	F506ME1.5	1.5	0.18	19	0.36	15.2	QRE-02A	PX-75Z
	5	F506ME2.2	2.2	0.18	24.8	0.36	19.5	QRE-02A	PX-75Z
65	6	F656ME1.5	1.5	0.28	14.5	0.56	11.2	QRE-02A	PX-75Z
	7	F656ME2.2	2.2	0.28	18.8	0.56	14.5	QRE-02A	PX-75Z
	8	F656ME3.7	3.7	0.28	28.8	0.56	23.2	QRE-02A	PX-85Z
80	9	F806ME2.2	2.2	0.45	13.5	0.9	9.8	QRE-02A	PX-75Z
	10	F806ME3.7	3.7	0.45	21	0.9	15.5	QRE-02A	PX-85Z
	11	F806ME5.5	5.5	0.45	29.5	0.9	22	QRE-05A	PX-95Z
100	12	F1006ME3.7	3.7	0.71	15.2	1.4	11.2	QRE-02A	PX-85Z
	13	F1006ME5.5	5.5	0.71	21.5	1.4	15.2	QRE-05A	PX-95Z
	14	F1006ME7.5	7.5	0.71	28	1.4	20.5	QRE-05D	PX-95Z
	15	F1006ME11	11	0.71	38.2	1.4	30.5	QRE-06D	PX-110Z
125	16	F1256ME5.5	5.5	1.12	16	2.24	9.5	QRE-05D	PX-95Z
	17	F1256ME7.5	7.5	1.12	20	2.24	13.8	QRE-05D	PX-95Z
	18	F1256ME11	11	1.12	27.5	2.24	20.8	QRE-06D	PX-110Z
	19	F1256ME15	15	1.12	36.5	2.24	27	QRE-09B	PX-110Z
	20	F1256ME18	18.5	1.12	42	2.24	33.5	QRE-12D	PX-120Z
	21	F1256ME22	22	1.12	47.5	2.24	36.5	QRE-10B	PX-130Z
	22	F1256ME30	30	1.12	60	2.24	49	QRE-13D	PX-130ZST
150	23	F1506ME7.5	7.5	1.8	14.8	3.55	7.5	QRE-08B	PX-110Z
	24	F1506ME11	11	1.8	19	3.55	12	QRE-08B	PX-110Z
	25	F1506ME15	15	1.8	26	3.55	18.5	QRE-09B	PX-120Z
	26	F1506ME18	18.5	1.8	30	3.55	22	QRE-12D	PX-120Z
	27	F1506ME22	22	1.8	37	3.55	27.5	QRE-10B	PX-130Z
	28	F1506ME30	30	1.8	48.5	3.55	32.5	QRE-13D	PX-S146Z
	29	F1506ME37	37	1.8	56.5	3.55	41	PBKV-120-2007-03	PX-S146Z

Outline dimension table Inquire specification sheets and drawings in case of actual work planing

Flange:
JIS 10K thin type
JIS 10K standard type
(Only discharge flange of part of models whose bore size 100mm or more)
(Companion flange are optional accessories)



* Foundation bolts are optional accessories. If you need them, please buy yourself.

F/HD/000 E

50Hz

unit: mm F/Hd/502 E

Bore	Model	Motor	Impeller	Pump			Base						Combinations						Mass	Recommended
mm		kW	material	SC	DC	PL	BI	BL	BA	BM	BP	BW	DH	SH	TL	AD	J	W	kg	foundation bolt
40	F-405-MN0.4	0.4	Cast iron	75	100	304	20	488	131	250	220	254	310	180	545	85	3	297	40	M12X160
	F405ME0.75	0.75	Bronze	75	125	309	20	524	136	250	250	284	360	200	593	85	3	337	51	M12X160
50	F-505-MN0.4	0.4	Cast iron	80	100	309	20	488	131	250	220	254	305	180	550	85	3	305	42	M12X160
	F505ME0.75	0.75		80	120	314	20	524	136	250	250	284	350	200	598	85	3	339	48	M12X160
	F505ME1.5	1.5	Bronze	80	140	343	20	589	171	250	250	284	385	225	661	115	3	367	60	M12X160
65	F655ME0.75	0.75	Cast iron	85	115	319	20	524	136	250	250	284	340	200	603	85	3	345	50	M12X160
	F655ME1.5	1.5		85	120	348	20	577	163	280	250	284	365	205	666	113	3	357	56	M12X160
	F655ME2.2	2.2		90	140	354	20	628	163	320	280	314	390	225	714	102	3	385	73	M12X160
80	F805ME1.5	1.5	Cast iron	90	120	358	20	577	163	280	250	284	360	205	676	118	3	362	55	M12X160
	F805ME2.2	2.2		90	130	354	20	628	163	320	280	314	390	225	713	102	3	380	71	M12X160
	F805ME3.7	3.7		95	155	416	20	698	193	320	310	344	420	235	791	125	3	420	95	M12X160
100	F1005ME2.2	2.2	Cast iron	100	130	374	20	628	163	320	280	314	385	225	733	112	3	392	69	M12X160
	F1005ME3.7	3.7		100	150	426	20	698	193	320	310	344	410	235	801	130	3	427	95	M12X160
	F1005ME5.5	5.5		100	165	431	25	784	189	400	340	386	458	268	862	123	3	482	129	M16X200
	F1005ME7.5	7.5		100	170	458	25	820	209	400	340	386	498	288	927	140	3	487	152	M16X200
125	F1255ME3.7	3.7	Cast iron	105	160	436	20	700	193	320	310	344	445	255	811	135	3	457	101	M12X160
	F1255ME5.5	5.5		105	160	441	25	784	189	400	340	386	458	268	872	128	3	497	123	M16X200
	F1255ME7.5	7.5		105	170	468	25	820	209	400	340	386	498	288	937	145	3	509	157	M16X200
	F1255ME11	11		110	190	472	25	951	214	500	380	426	528	308	1038	142	3	584	191	M16X200
	F1255ME15	15	Bronze	110	210	516	25	1003	224	550	400	446	588	328	1114	150	3	604	253	M16X200
	F1255ME18	18.5		110	210	516	25	1050	214	630	440	486	588	328	1184	140	3	625	341	M16X200
150	F1505ME5.5	5.5	Cast iron	110	170	483	25	821	209	400	340	386	488	288	914	155	3	522	135	M16X200
	F1505ME7.5	7.5		110	170	483	25	820	209	400	340	386	488	288	952	155	3	522	143	M16X200
	F1505ME11	11		110	180	482	25	951	214	500	380	426	528	308	1048	152	3	589	195	M16X200
	F1505ME15	15		115	200	521	25	1002	224	550	400	446	568	328	1119	150	3	609	231	M16X200
	F1505ME18	18.5		115	200	521	25	1050	214	630	440	486	568	328	1189	140	3	630	322	M16X200
	F1505ME22	22		115	220	542	25	1073	219	630	440	486	608	348	1210	140	3	650	354	M16X200

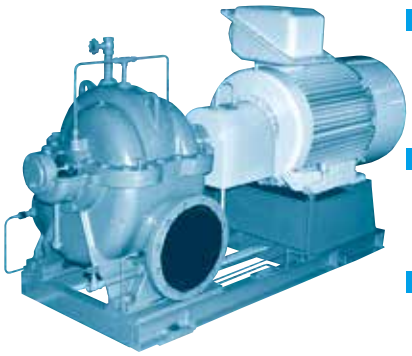
F Type

60Hz

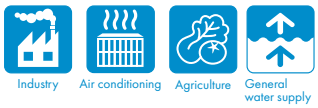
unit: mm F/Hd/602 E

Bore	Model	Motor	Impeller material	Pump			Base						Combinations						Mass	Recommended foundation bolt
mm		kW		SC	DC	PL	BI	BL	BA	BM	BP	BW	DH	SH	TL	AD	J	W	kg	
40	F406ME0.75	0.75	Cast iron	75	100	304	20	515	131	250	250	284	310	180	588	85	3	312	43	M12X160
	F406ME1.5	1.5	Bronze	75	125	309	20	564	156	250	250	284	360	200	627	105	3	344	55	M12X160
50	F506ME0.75	0.75	Cast iron	80	100	309	20	515	131	250	250	284	305	180	593	85	3	320	44	M12X160
	F506ME1.5	1.5		80	120	314	20	564	156	250	250	284	350	200	632	105	3	346	53	M12X160
	F506ME2.2	2.2	Bronze	80	140	344	20	628	163	320	280	314	385	225	704	102	3	375	70	M12X160
65	F656ME1.5	1.5	Cast iron	85	115	319	20	564	156	250	250	284	340	200	637	105	3	352	54	M12X160
	F656ME2.2	2.2		85	120	349	20	616	148	320	280	314	365	205	709	97	3	365	67	M12X160
	F656ME3.7	3.7		90	140	359	20	632	158	320	310	344	390	225	734	102	3	400	81	M12X160
80	F806ME2.2	2.2	Cast iron	90	120	359	20	616	148	320	280	314	360	205	718	102	3	370	67	M12X160
	F806ME3.7	3.7		90	130	359	20	632	158	320	310	344	390	225	734	102	3	395	81	M12X160
	F806ME5.5	5.5		95	155	421	20	741	188	360	340	374	420	235	852	120	3	460	116	M12X160
100	F1006ME3.7	3.7	Cast iron	100	130	379	20	632	158	320	310	344	385	225	754	112	3	407	78	M12X160
	F1006ME5.5	5.5		100	150	431	20	739	188	360	340	374	410	235	862	125	3	467	114	M12X160
	F1006ME7.5	7.5		100	165	431	25	783	189	400	340	386	458	268	900	123	3	482	136	M16X200
	F1006ME11	11		100	170	462	25	898	204	500	380	426	498	288	1028	138	3	544	178	M16X200
125	F1256ME5.5	5.5	Cast iron	105	160	441	25	784	189	400	340	386	458	268	872	128	3	497	123	M16X200
	F1256ME7.5	7.5		105	160	441	25	783	189	400	340	386	458	268	910	128	3	497	130	M16X200
	F1256ME11	11		105	170	472	25	898	204	500	380	426	498	288	1038	143	3	564	185	M16X200
	F1256ME15	15		110	190	472	25	951	214	500	380	426	528	308	1070	142	3	584	213	M16X200
	F1256ME18	18.5		110	190	469	6	1000	217	500	440	486	528	308	1140	142	3	605	297	M16X200
	F1256ME22	22	Bronze	110	210	523	25	1050	214	630	440	486	588	328	1191	140	3	625	350	M16X200
	F1256ME30	30		110	210	523	25	1050	214	630	440	486	588	328	1264	140	3	578	381	M16X200
150	F1506ME7.5	7.5	Cast iron	110	170	483	25	820	209	400	340	386	488	288	952	155	3	522	142	M16X200
	F1506ME11	17		110	170	487	25	898	204	500	380	426	488	288	1053	153	3	580	173	M16X200
	F1506ME15	15		110	180	482	25	951	214	500	380	426	528	308	1080	152	3	589	215	M16X200
	F1506ME18	18.5		110	180	482	6	1000	217	500	440	486	528	308	1153	152	3	610	300	M16X200
	F1506ME22	22		115	200	528	25	1050	214	630	440	486	568	328	1196	140	3	630	328	M16X200
	F1506ME30	30		115	220	542	25	1073	219	630	440	486	608	348	1283	140	3	603	384	M16X200
	F1506ME37	37		115	220	550	25	1156	219	630	480	526	608	348	1398	140	4	623	483	M16X200

QCDM Type Double suction centrifugal pump 6 pole



Application



Features

- Superior pump performance by high pump efficiency
- Easy maintenance because of split casing

Maximum suction total head

Please inquire about pump specification each time.

Standard specifications

- Liquid: Clean water 0~80°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: S45C; Casing: Cast iron; Sleeve: Bronze
- Shaft sealing: Gland packing
- Motor: TEFC, Three phase
- Flange: JIS 10K or JIS 20K

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum back pressure

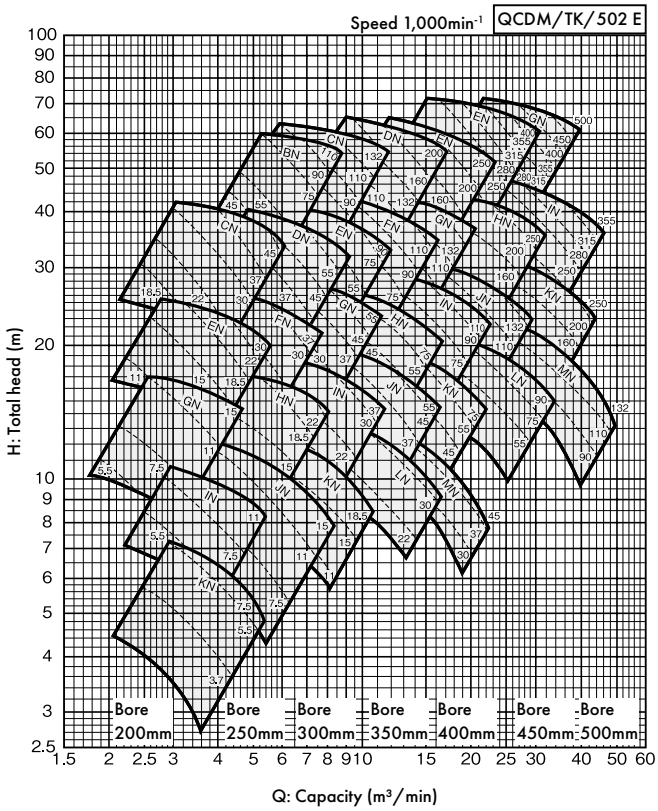
0.29 MPa

Special specification

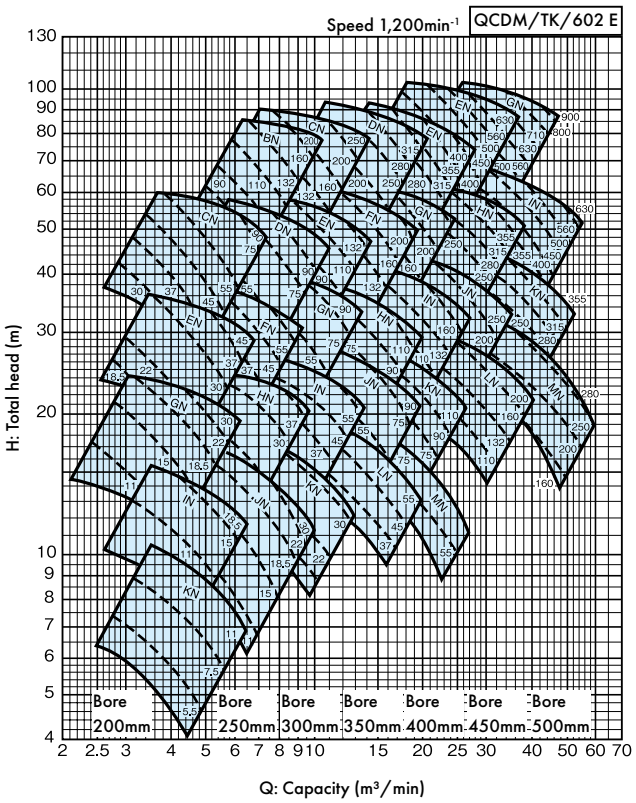
4 pole motor adoption
(Please inquire the specification)

Selection chart

50Hz



60Hz



The alphabets in the figures show casing symbol and the numbers show the output of motors

GN2-C Type Nylon coating compact centrifugal pump 2 pole

Application

Features

- Unique rust proof structure
- Easy maintenance and inspection due to Back Pull Out structure
- Smaller installation space and not necessary of centering because of close coupled type pump.

Maximum suction total head (20°C)

-6m

Maximum back pressure

(0.7 - The shut-off pressure) MPa

Standard specifications

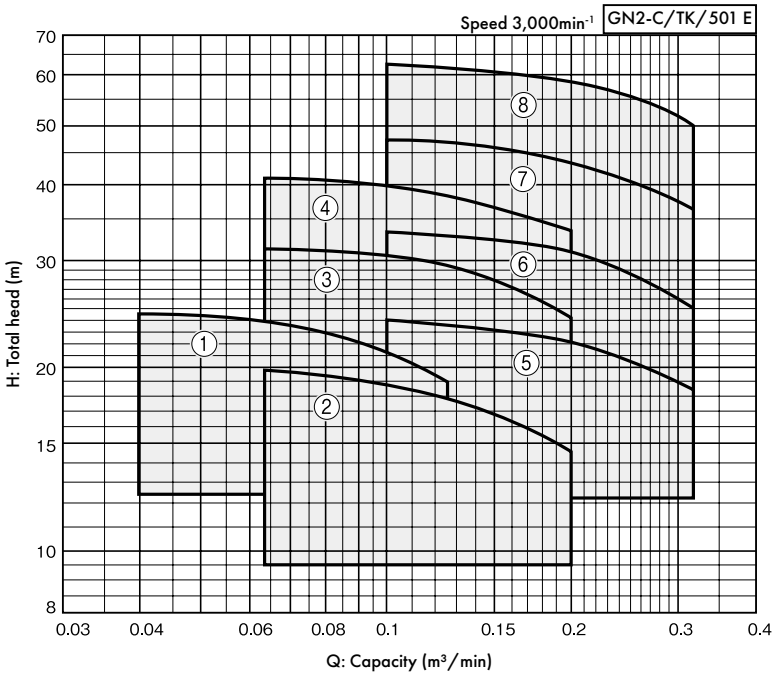
- Liquid: Clean water 0~40°C (No freezing)
- Materials: Impeller: Bronze; Shaft: SUS304 (Wetted part); Casing: Cast iron + Nylon coating
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC outdoor (Pump: Indoor) Three phase
- Flange: JIS 10K Thin type

Standard accessories

Motor, Base

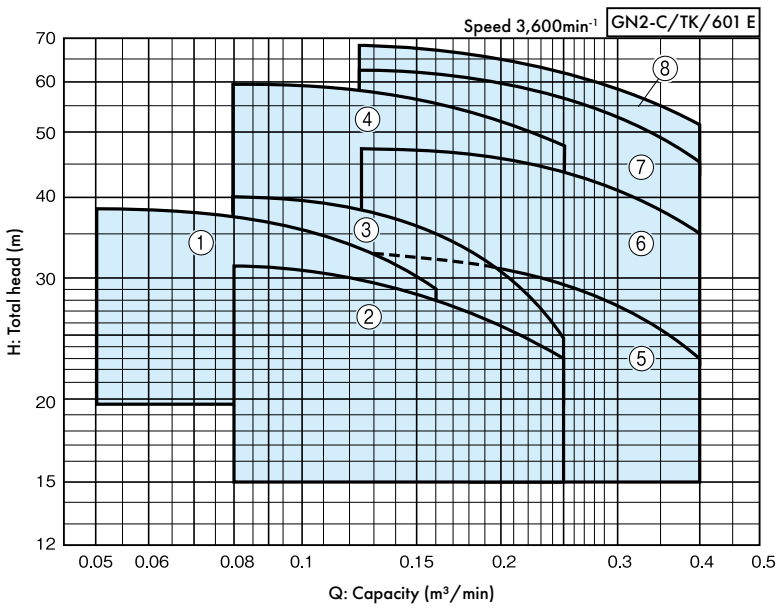
Selection chart

50Hz



Ref.	GN2-C/SI/501 E Model
1	GN2-325CE0.75
2	GN2-405CE0.75
3	GN2-405CE1.5
4	GN2-405CE2.2
5	GN2-505CE1.5
6	GN2-505CE2.2
7	GN2-505CE3.7
8	GN2-505CE5.5

60Hz



Ref.	GN2-C/SI/601 E Model
1	GN2-326CE1.5
2	GN2-406CE1.5
3	GN2-406CE2.2
4	GN2-406CE3.7
5	GN2-506CE2.2
6	GN2-506CE3.7
7	GN2-506CE5.5
8	GN2-506CE7.5

FV(D)-C Type In-line single stage pump 2 pole

Application

Features

- The installation space is almost half compared to end-suction centrifugal pump (Compared to our conventional products)
- Unique casting structure adoption realize the high efficiency and miniaturization
- Easy maintenance Easy air vent for preventing dry operation of the mechanical seal
- Unique structure for fingers insertion prevention, so a protector is not necessary, and the leak check of the mechanical seal can do from outside easily.
- The high back pressure specification is also available. (FVD-C type)
- JAST (Just Accorded Stream) structure realize a smooth water conformity flow, and it contribute to miniaturization of the casing and high pump efficiency

Standard specifications

- Liquid: Clean water 0~80°C (No freezing)
- Materials: Impeller: Cast iron or Bronze; Shaft: SUS420J2; Casing: Cast iron
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC outdoor. Three phase
- Flange: JIS 10K Standard type (FV-C type) JIS 20K (FVD-C type)

Standard accessories

Motor, Base

Maximum back pressure

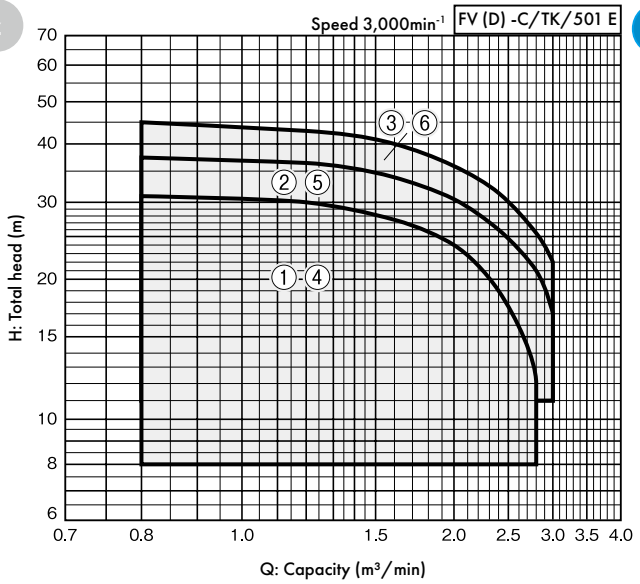
FV-C	(1.4 - The shut-off pressure) MPa
FVD-C	1.6 MPa

Maximum suction total head (20°C)

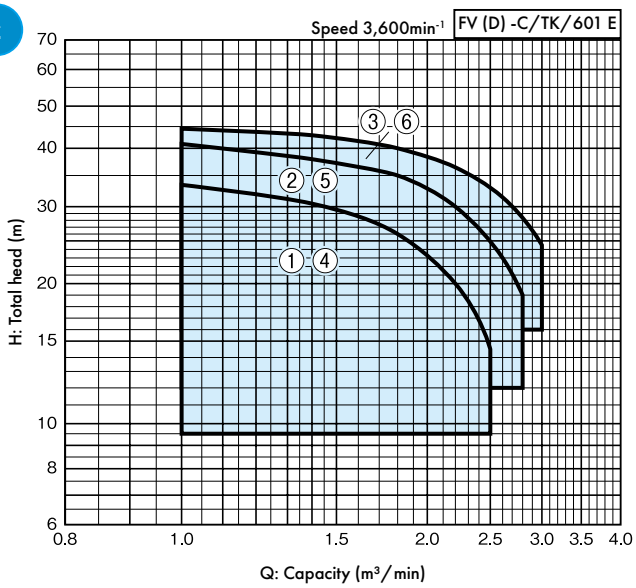
The standard model: Positive suction application only (More than 0.1 MPa)
Please inquire in case negative suction application

Selection chart

50Hz



60Hz



Specification table

50Hz

Bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	FV(D)-C/SI/501 E Vibration isolator application table	
				Capacity	Total head	Capacity	Total head			
mm			kW	m³/min	m	m³/min	m	MPa		
100	1	FV1005C11	11	0.8	31	2.8	12	1.06	PBKV-1015-2305	VP90-J055
	2	FV1005C15	15	0.8	37.5	3.0	17	0.99	PBKV-1015-2305	VP90-J055
	3	FV1005C18	18.5	0.8	45	3.0	22	0.91	PBKV-1015-2305	VP90-J055
	4	FVD1005C11	11	0.8	31	2.8	12	1.6	PBKV-1015-2305	VP90-J055
	5	FVD1005C15	15	0.8	37.5	3.0	17	1.6	PBKV-1015-2305	VP90-J055
	6	FVD1005C18	18.5	0.8	45	3.0	22	1.6	PBKV-1015-2305	VP90-J055

Note) The mimimum folow is 0.2m3/min.

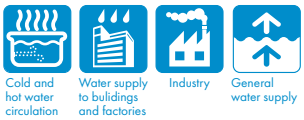
60Hz

Bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	FV(D)-C/SI/601 E Vibration isolator application table	
				Capacity	Total head	Capacity	Total head			
mm			kW	m³/min	m	m³/min	m	MPa		
100	1	FV1006C11	11	1.0	33.5	2.5	14.5	1.03	PBKV-1015-2305	VP90-J055
	2	FV1006C15	15	1.0	41	2.8	19	0.95	PBKV-1015-2305	VP90-J055
	3	FV1006C18	18.5	1.0	44.5	3.0	24.5	0.92	PBKV-1015-2305	VP90-J055
	4	FVD1006C11	11	1.0	33.5	2.5	14.5	1.6	PBKV-1015-2305	VP90-J055
	5	FVD1006C15	15	1.0	41	2.8	19	1.6	PBKV-1015-2305	VP90-J055
	6	FVD1006C18	18.5	1.0	44.5	3.0	24.5	1.6	PBKV-1015-2305	VP90-J055

Note) The mimimum folow is 0.2m3/min.

FV(D)-4C Type In-line single stage pump 4 pole

Application



Features

- The installation space is almost half compared to end-suction centrifugal pump (Compared to our conventional products)
- Unique casting structure adoption realize the high efficiency and miniaturization
- Easy maintenance Easy air vent for preventing dry operation of the mechanical seal
- Unique structure for fingers insertion prevention, so a protector is not necessary, and the leak check of the mechanical seal can do from outside easily.
- The high back pressure specification is also available. (FVD-C type)
- JAST (Just Accorded Stream) structure realize a smooth water conformity flow, and it contribute to miniaturization of the casing and high pump efficiency

Standard specifications

- Liquid: Clean water 0~80°C (No freezing)
- Materials: Impeller: Cast iron or Ductile cast iron; Shaft: SUS420J2; Casing: Cast iron (FV-4C), Ductile cast iron (FVD-4C)
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC outdoor, Three phase
- Flange: JIS 10K Standard type (FV-4C type), JIS 20K (FVD-4C type)

Standard accessories

Motor

Maximum back pressure

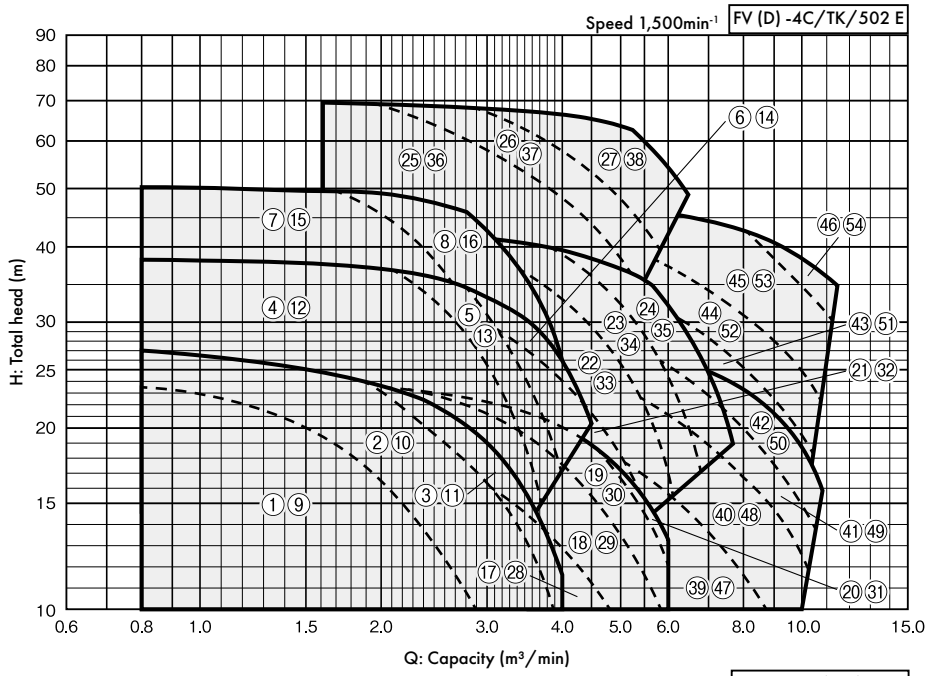
FV-C	(1.4 - The shut-off pressure) MPa
FVD-C	1.6 MPa

Maximum suction total head (20°C)

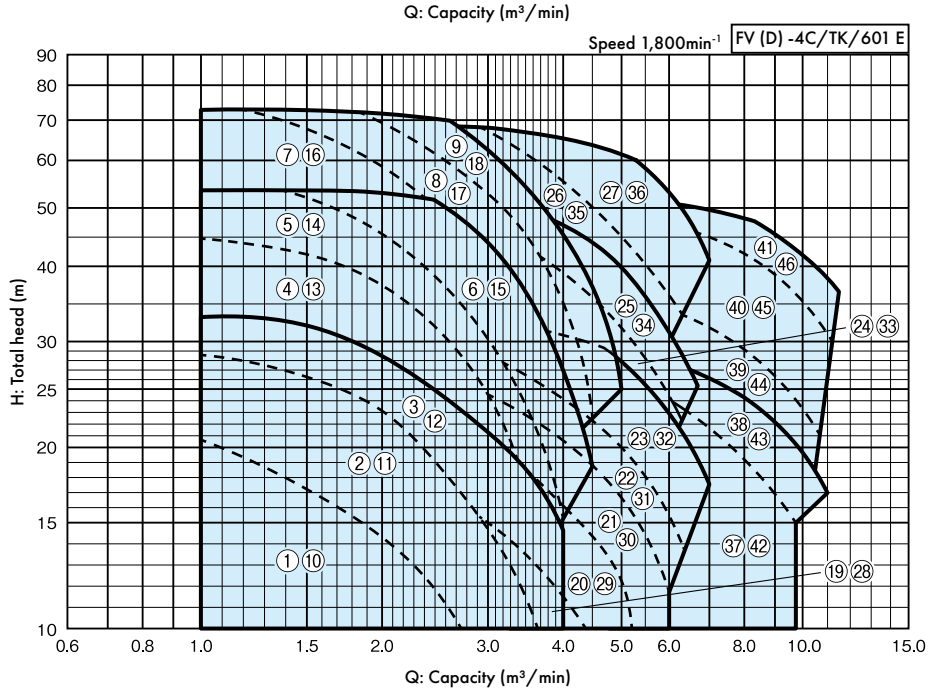
The standard model: Positive suction application only (More than 0.1 MPa)
Please inquire in case negative suction application

Selection chart

50Hz



60Hz



Specification table

50Hz

Bore	Ref.	Model	Motor	Standard specifications	Maximum back pressure	FV(D)-4C/SI/502 E	
				Capacity		Vibration isolator application table	
mm			kW	m^3/min	MPa		
125	1	FVL1255-4C7.5	7.5	Impeller diameter varies according to duty point, please inquire with pump specification (capacity and total head)	1.11	PBKV-1016-4578	VP90-J245
	2	FVL1255-4C11	11		1.11	PBKV-1016-4578	VP90-J245
	3	FVL1255-4C15	15		1.11	PBKV-1016-4578	VP90-J245
	4	FVM1255-4C8	18.5		1.02	PBKV-1016-0982	VP90-J085
	5	FVM1255-4C22	22		1.02	PBKV-1016-0982	VP90-J085
	6	FVM1255-4C30	30		1.02	PBKV-1016-0982	VP90-J085
	7	FVO1255-4C22	22		0.88	PBKV-1016-0987	VP90-J095
	8	FVO1255-4C30	30		0.88	PBKV-1016-0987	VP90-J095
	9	FVDL1255-4C7.5	7.5		1.6	PBKV-1016-4578	VP90-J245
	10	FVDL1255-4C11	11		1.6	PBKV-1016-4578	VP90-J245
	11	FVDL1255-4C15	15		1.6	PBKV-1016-4578	VP90-J245
	12	FVDM1255-4C18	18.5		1.6	PBKV-1016-0982	VP90-J085
	13	FVDM1255-4C22	22		1.6	PBKV-1016-0982	VP90-J085
	14	FVDM1255-4C30	30		1.6	PBKV-1016-0982	VP90-J085
	15	FVDO1255-4C22	22		1.6	PBKV-1016-0987	VP90-J095
	16	FVD01255-4C30	30		1.6	PBKV-1016-0987	VP90-J095
150	17	FVM1505-4C11	11		1.16	PBKV-1016-0998	VP90-J105
	18	FVM1505-4C15	15		1.16	PBKV-1016-0998	VP90-J105
	19	FVM1505-4C18	18.5		1.16	PBKV-1016-0998	VP90-J105
	20	FVM1505-4C22	22		1.16	PBKV-1016-0998	VP90-J105
	21	FVO1505-4C22	22		0.97	PBKV-1016-0993	VP90-J115
	22	FVO1505-4C30	30		0.97	PBKV-1016-0993	VP90-J115
	23	FVO1505-4C37	37		0.97	PBKV-1016-0993	VP90-J115
	24	FVO1505-4C45	45		0.97	PBKV-1016-0993	VP90-J115
	25	FVQ1505-4C45	45		0.7	PBKV-1016-3141	VP90R-J225
	26	FVQ1505-4C55	55		0.7	PBKV-1016-3141	VP90R-J225
	27	FVQ1505-4C75	75		0.7	PBKV-1016-3141	VP90R-J225
	28	FVDM1505-4C11	11		1.6	PBKV-1016-0998	VP90-J105
	29	FVDM1505-4C15	15		1.6	PBKV-1016-0998	VP90-J105
	30	FVDM1505-4C8	18.5		1.6	PBKV-1016-0998	VP90-J105
	31	FVDM1505-4C22	22		1.6	PBKV-1016-0998	VP90-J105
	32	FVDO1505-4C22	22		1.6	PBKV-1016-0993	VP90-J115
	33	FVDO1505-4C30	30		1.6	PBKV-1016-0993	VP90-J115
	34	FVDO1505-4C37	37		1.6	PBKV-1016-0993	VP90-J115
	35	FVDO1505-4C45	45		1.6	PBKV-1016-0993	VP90-J115
	36	FVDQ1505-4C45	45		1.6	PBKV-1016-3141	VP90R-J225
	37	FVDQ1505-4C55	55		1.6	PBKV-1016-3141	VP90R-J225
	38	FVDQ1505-4C75	75		1.6	PBKV-1016-3141	VP90R-J225
200	39	FVM2005-4C22	22		1.1	PBKV-1016-0999	VP90-J135
	40	FVM2005-4C30	30		1.1	PBKV-1016-0999	VP90-J135
	41	FVM2005-4C37	37		1.1	PBKV-1016-0999	VP90-J135
	42	FVM2005-4C45	45		1.1	PBKV-1016-0999	VP90-J135
	43	FVO2005-4C45	45		0.9	PBKV-1016-3142	VP90R-J235
	44	FVO2005-4C55	55		0.9	PBKV-1016-3142	VP90R-J235
	45	FVO2005-4C75	75		0.9	PBKV-1016-3142	VP90R-J235
	46	FVO2005-4C90	90		0.9	PBKV-1016-3142	VP90R-J235
	47	FVDM2005-4C22	22		1.6	PBKV-1016-0999	VP90-J135
	48	FVDM2005-4C30	30		1.6	PBKV-1016-0999	VP90-J135
	49	FVDM2005-4C37	37		1.6	PBKV-1016-0999	VP90-J135
	50	FVDM2005-4C45	45		1.6	PBKV-1016-0999	VP90-J135
	51	FVDO2005-4C45	45		1.6	PBKV-1016-3142	VP90R-J235
	52	FVDO2005-4C55	55		1.6	PBKV-1016-3142	VP90R-J235
	53	FVDO2005-4C75	75		1.6	PBKV-1016-3142	VP90R-J235
	54	FVDO2005-4C90	90		1.6	PBKV-1016-3142	VP90R-J235

Note) In case the optional accessoriy base is used, the vibration isolator change. Please inquire.
In case 400V type, please inquire.

FV(D)-4C Type

Specification table

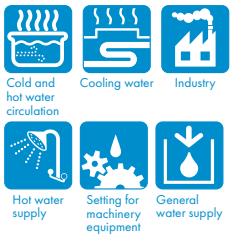
60Hz

Bore	Ref.	Model	Motor	Standard specifications	Maximum back pressure	FV(D)-4C/SI/602 E	
				Capacity		Vibration isolator application table	
mm			kW	m^3/min	MPa		
125	1	FVL1256-4C7.5	7.5	Impeller diameter varies according to duty point, please inquire with pump specification (capacity and total head)	1.0	PBKV-1016-4578	VP90-J245
	2	FVL1256-4C11	11		1.0	PBKV-1016-4578	VP90-J245
	3	FVL1256-4C15	15		1.0	PBKV-1016-4578	VP90-J245
	4	FVM1256-4C18	18.5		0.85	PBKV-1016-0982	VP90-J085
	5	FVM1256-4C22	22		0.85	PBKV-1016-0982	VP90-J085
	6	FVM1256-4C30	30		0.85	PBKV-1016-0982	VP90-J085
	7	FVO1256-4C30	30		0.66	PBKV-1016-0987	VP90-J095
	8	FVO1256-4C37	37		0.66	PBKV-1016-0987	VP90-J095
	9	FVO1256-4C45	45		0.66	PBKV-1016-0987	VP90-J095
	10	FVDL1256-4C7.5	7.5		1.6	PBKV-1016-4578	VP90-J245
	11	FVDL1256-4C11	11		1.6	PBKV-1016-4578	VP90-J245
	12	FVDL1256-4C15	15		1.6	PBKV-1016-4578	VP90-J245
	13	FVDM1256-4C18	18.5		1.6	PBKV-1016-0982	VP90-J085
	14	FVDM1256-4C22	22		1.6	PBKV-1016-0982	VP90-J085
	15	FVDM1256-4C30	30		1.6	PBKV-1016-0982	VP90-J085
	16	FVDO1256-4C30	30		1.6	PBKV-1016-0987	VP90-J095
	17	FVDO1256-4C37	37		1.6	PBKV-1016-0987	VP90-J095
	18	FVDO1256-4C45	45		1.6	PBKV-1016-0987	VP90-J095
150	19	FVM1506-4C11	11		1.05	PBKV-1016-0998	VP90-J105
	20	FVM1506-4C15	15		1.05	PBKV-1016-0998	VP90-J105
	21	FVM1506-4C18	18.5		1.05	PBKV-1016-0998	VP90-J105
	22	FVM1506-4C22	22		1.05	PBKV-1016-0998	VP90-J105
	23	FVM1506-4C30	30		1.05	PBKV-1016-0998	VP90-J105
	24	FVO1506-4C37	37		0.95	PBKV-1016-0993	VP90-J115
	25	FVO1506-4C45	45		0.95	PBKV-1016-0993	VP90-J115
	26	FVQ1506-4C55	55		0.72	PBKV-1016-3141	VP90R-J225
	27	FVQ1506-4C75	75		0.72	PBKV-1016-3141	VP90R-J225
	28	FVDM1506-4C11	11		1.6	PBKV-1016-0998	VP90-J105
	29	FVDM1506-4C15	15		1.6	PBKV-1016-0998	VP90-J105
	30	FVDM1506-4C18	18.5		1.6	PBKV-1016-0998	VP90-J105
	31	FVDM1506-4C22	22		1.6	PBKV-1016-0998	VP90-J105
	32	FVDM1506-4C30	30		1.6	PBKV-1016-0998	VP90-J105
	33	FVDO1506-4C37	37		1.6	PBKV-1016-0993	VP90-J115
	34	FVDO1506-4C45	45		1.6	PBKV-1016-0993	VP90-J115
	35	FVDQ1506-4C55	55		1.6	PBKV-1016-3141	VP90R-J225
	36	FVDQ1506-4C75	75		1.6	PBKV-1016-3141	VP90R-J225
200	37	FVM2006-4C37	37		1.1	PBKV-1016-0999	VP90-J135
	38	FVM2006-4C45	45		1.1	PBKV-1016-0999	VP90-J135
	39	FVO2006-4C55	55		0.9	PBKV-1016-3142	VP90R-J235
	40	FVO2006-4C75	75		0.9	PBKV-1016-3142	VP90R-J235
	41	FVO2006-4C90	90		0.9	PBKV-1016-3142	VP90R-J235
	42	FVDM2006-4C37	37		1.6	PBKV-1016-0999	VP90-J135
	43	FVDM2006-4C45	45		1.6	PBKV-1016-0999	VP90-J135
	44	FVDO2006-4C55	55		1.6	PBKV-1016-3142	VP90R-J235
	45	FVDO2006-4C75	75		1.6	PBKV-1016-3142	VP90R-J235
	46	FVDO2006-4C90	90		1.6	PBKV-1016-3142	VP90R-J235

Note) In case the optional accessoriy base is used, the vibration isolator change. Please inquire.
In case 400V type, please inquire.

PSS(2) Type Stainless steel line pump 2 pole

Application



Features

- Precision cast stainless material protect the pump from rust and thus maintenance is easy
- Long life and strong against leakage due to adoption of high quality mechanical seal which can stand antifreeze
- Strong against deterioration of bearing and insulation due to TEFC motor

Maximum suction total head (20°C)

Bore	Total suction head
20 ~ 65m	-6m
80m	50Hz : -5.5m 60Hz : -3m

Note) If the value obtained by subtracting 3 m from the total head is less than the value above, the value obtained by subtracting 3 m from the total head will be the maximum suction total head.

Standard accessories

Motor, Companion flange

Standard specifications

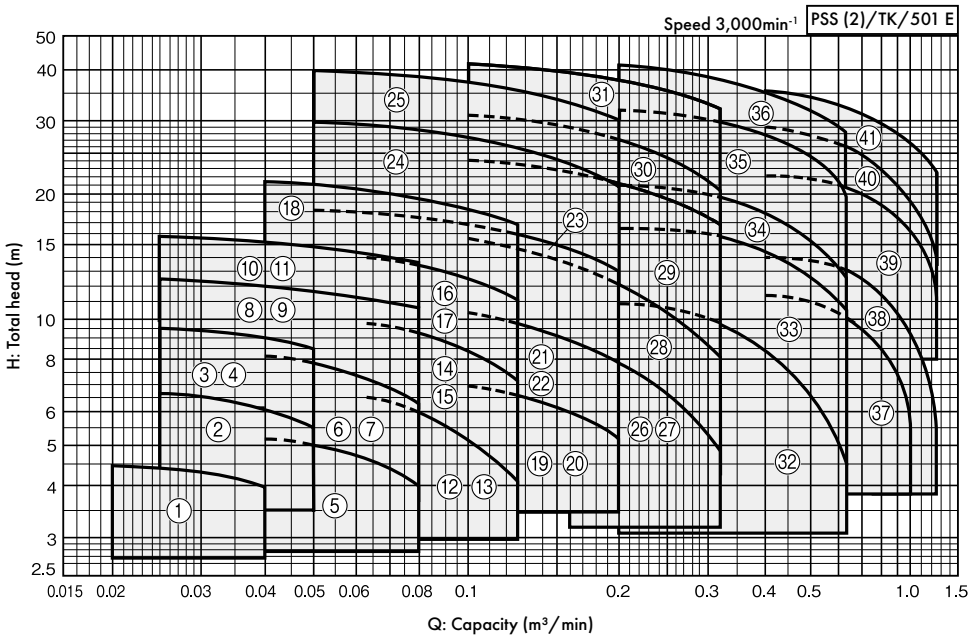
- Liquid: Clean water 0~90°C (No freezing) (The maximum temperature: 100°C. Please inquire.)
- Materials: Impeller SCS13, Shaft SUS304, Casing SCS13
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC outdoor. Single phase, Three phase
- Flange: Exclusive flange
- Applicable antifreeze: GD BRINE950S, Nybrine Z-1, Showbrine PP Super (Antifreeze concentration: 35~50% liquid temperature: 0~90°C) Please inquire in case GD BRAINE 950S is used.

Maximum back pressure

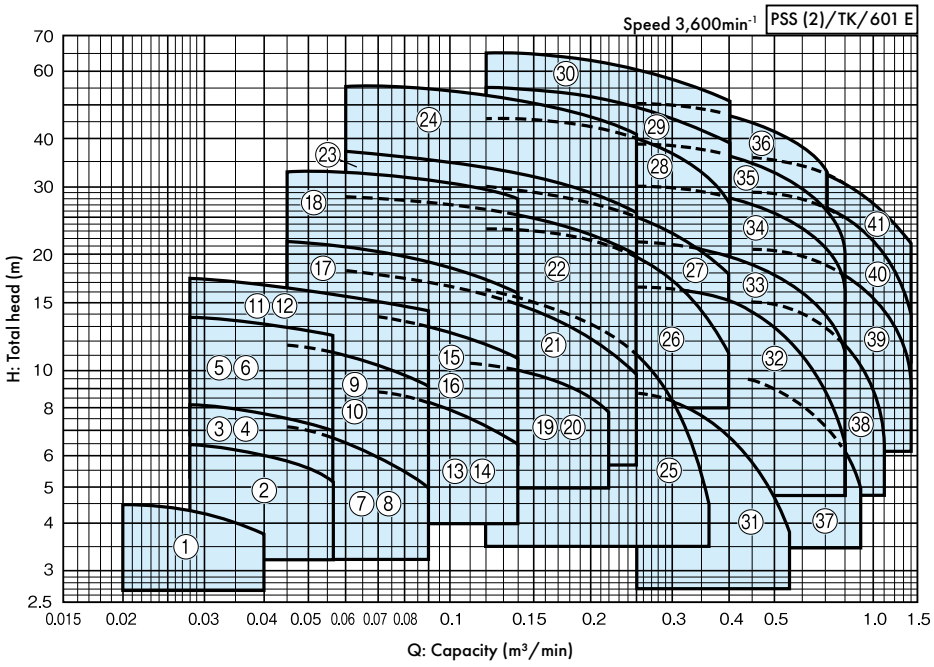
0.15kW or less	Single phase, 0.2MPa
	Three phase, (0.5 - the shut-off pressure) MPa
0.25kW~0.4kW	(0.7 - the shut-off pressure) MPa
0.75kW or more	(1 - the shut-off pressure) MPa

Selection chart

50Hz



60Hz



PSS(2) Type

Specification table

50Hz

PSS(2)/SI/515 · 525 E

Bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure
				Capacity	Total head	Capacity	Total head	
mm			kW	m^3/min	m	m^3/min	m	MPa
20	1	PSS2-205-0.06S	0.06 *	0.02	4.5	0.04	4	0.2
	2	PSS2-205-0.1S	0.1 *	0.025	6.8	0.05	5.5	0.2
	3	PSS2-205-0.15S	0.15 *	0.025	9.5	0.05	8.5	0.2
	4	PSS2-205-0.15T	0.15	0.025	9.5	0.05	8.5	0.4
25	5	PSS2-255-0.1S	0.1 *	0.04	5.5	0.08	3.8	0.2
	6	PSS2-255-0.15S	0.15 *	0.04	8.2	0.08	6.2	0.2
	7	PSS2-255-0.15T	0.15	0.04	8.2	0.08	6.2	0.42
	8	PSS2-255-0.25S	0.25 *	0.025	12.5	0.08	10.5	0.57
	9	PSS2-255-0.25T	0.25	0.025	12.5	0.08	10.5	0.57
	10	PSS2-255-0.4S	0.4 *	0.025	15.8	0.08	13.8	0.54
	11	PSS2-255-0.4T	0.4	0.025	15.8	0.08	13.8	0.54
32	12	PSS2-325-0.15S	0.15 *	0.063	6.5	0.125	4.2	0.2
	13	PSS2-325-0.15T	0.15	0.063	6.5	0.125	4.2	0.42
	14	PSS2-325-0.25S	0.25 *	0.063	9.5	0.125	7.2	0.59
	15	PSS2-325-0.25T	0.25	0.063	9.5	0.125	7.2	0.59
	16	PSS2-325-0.4S	0.4 *	0.063	13.5	0.125	11.2	0.55
	17	PSS2-325-0.4T	0.4	0.063	13.5	0.125	11.2	0.55
	18	PSS325E0.75G	0.75	0.04	21.5	0.125	17.5	0.77
40	19	PSS2-405-0.25S	0.25 *	0.1	7.2	0.2	5.2	0.62
	20	PSS2-405-0.25T	0.25	0.1	7.2	0.2	5.2	0.62
	21	PSS2-405-0.4S	0.4 *	0.1	10.8	0.2	7.8	0.57
	22	PSS2-405-0.4T	0.4	0.1	10.8	0.2	7.8	0.57
	23	PSS405E0.75G	0.75	0.05	19	0.2	13	0.8
	24	PSS405E1.5G	1.5	0.05	29.5	0.2	21	0.7
	25	PSS405E2.2G	2.2	0.05	40	0.2	30.5	0.6
50	26	PSS2-505-0.4S	0.4 *	0.16	8.8	0.32	5.2	0.59
	27	PSS2-505-0.4T	0.4	0.16	8.8	0.32	5.2	0.59
	28	PSS505E0.75G	0.75	0.1	15.8	0.32	8.5	0.82
	29	PSS505E1.5G	1.5	0.1	24.5	0.32	16.5	0.74
	30	PSS505E2.2G	2.2	0.1	31.5	0.32	20.5	0.67
	31	PSS505E3.7G	3.7	0.1	42.5	0.32	32.5	0.65
65	32	PSS655E0.75G	0.75	0.2	10.8	0.63	4.5	0.88
	33	PSS655E1.5G	1.5	0.2	16.2	0.63	10.5	0.82
	34	PSS655E2.2G	2.2	0.2	21	0.63	12.5	0.77
	35	PSS655E3.7G	3.7	0.2	31.8	0.63	20.5	0.68
	36	PSS655E5.5G	5.5	0.2	41	0.63	28	0.55
80	37	PSS805E1.5G	1.5	0.4	11.5	1	5.5	0.85
	38	PSS805E2.2G	2.2	0.4	14.2	1.25	5.5	0.84
	39	PSS805E3.7G	3.7	0.4	22.2	1.25	11.5	0.74
	40	PSS805E5.5G	5.5	0.4	29	1.25	14	0.65
	41	PSS805E7.5G	7.5	0.4	35.5	1.25	22.5	0.6

* Single phase 100V

Specification table

60Hz

PSS(2)/SI/615 · 626 E

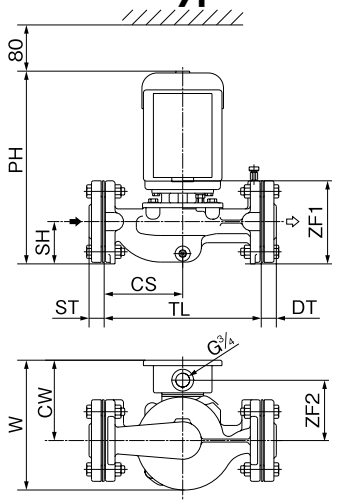
Bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure
				Capacity	Total head	Capacity	Total head	
mm			kW	m^3/min	m	m^3/min	m	MPa
20	1	PSS2-206-0.06S	0.06*	0.02	4.5	0.04	3.8	0.2
	2	PSS2-206-0.1S	0.1*	0.028	6.5	0.056	5.2	0.2
	3	PSS2-206-0.15S	0.15*	0.028	8.5	0.056	7	0.2
	4	PSS2-206-0.15T	0.15	0.028	8.5	0.056	7	0.4
	5	PSS2-206-0.25S	0.25*	0.028	13.8	0.056	12.5	0.55
	6	PSS2-206-0.25T	0.25	0.028	13.8	0.056	12.5	0.55
25	7	PSS2-256-0.15S	0.15*	0.045	7.2	0.09	5	0.2
	8	PSS2-256-0.15T	0.15	0.045	7.2	0.09	5	0.42
	9	PSS2-256-0.25S	0.25*	0.045	11.8	0.09	9.2	0.57
	10	PSS2-256-0.25T	0.25	0.045	11.8	0.09	9.2	0.57
	11	PSS2-256-0.4S	0.4*	0.028	17.5	0.09	14.5	0.52
	12	PSS2-256-0.4T	0.4	0.028	17.5	0.09	14.5	0.52
32	13	PSS2-326-0.25S	0.25*	0.071	9	0.14	6.5	0.59
	14	PSS2-326-0.25T	0.25	0.071	9	0.14	6.5	0.59
	15	PSS2-326-0.4S	0.4*	0.071	13.8	0.14	10.8	0.55
	16	PSS2-326-0.4T	0.4	0.071	13.8	0.14	10.8	0.55
	17	PSS326E0.75G	0.75	0.045	21.8	0.14	16	0.77
	18	PSS326E1.5G	1.5	0.045	34	0.14	28	0.65
40	19	PSS2-406-0.4S	0.4*	0.11	10.5	0.22	7.8	0.59
	20	PSS2-406-0.4T	0.4	0.11	10.5	0.22	7.8	0.59
	21	PSS406E0.75G	0.75	0.06	18.5	0.25	9.5	0.79
	22	PSS406E1.5G	1.5	0.06	28.5	0.25	19	0.7
	23	PSS406E2.2G	2.2	0.06	37.8	0.25	26	0.61
	24	PSS406E3.7G	3.7	0.06	55	0.25	41	0.41
50	25	PSS506E0.75G	0.75	0.12	17	0.36	4.5	0.82
	26	PSS506E1.5G	1.5	0.12	23.8	0.4	11.2	0.74
	27	PSS506E2.2G	2.2	0.12	31.5	0.4	19	0.67
	28	PSS506E3.7G	3.7	0.12	45	0.4	27.5	0.52
	29	PSS506E5.5G	5.5	0.12	54	0.4	39	0.41
	30	PSS506E7.5G	7.5	0.12	66	0.4	51	0.31
65	31	PSS656E0.75G	0.75	0.25	8.8	0.56	3.8	0.89
	32	PSS656E1.5G	1.5	0.25	16.5	0.8	6.5	0.82
	33	PSS656E2.2G	2.2	0.25	21.5	0.8	11.5	0.77
	34	PSS656E3.7G	3.7	0.25	30	0.8	16	0.68
	35	PSS656E5.5G	5.5	0.25	39.5	0.8	20	0.55
	36	PSS656E7.5G	7.5	0.25	50	0.71	33	0.45
80	37	PSS806E1.5G	1.5	0.45	9.5	0.9	5	0.87
	38	PSS806E2.2G	2.2	0.45	15	1.1	6.5	0.82
	39	PSS806E3.7G	3.7	0.45	20.5	1.4	8.8	0.77
	40	PSS806E5.5G	5.5	0.45	29	1.4	14.5	0.65
	41	PSS806E7.5G	7.5	0.45	35	1.4	22	0.6

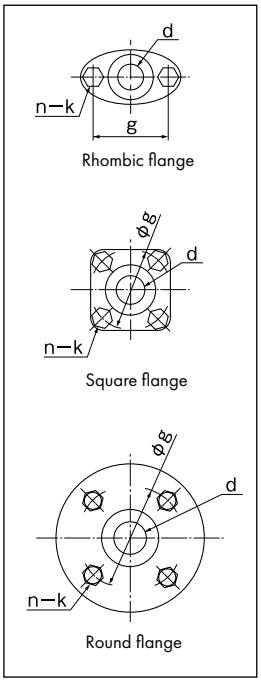
* Single phase 100V

PSS(2) Type

Outline dimension table
Inquire specification sheets and drawings in case of actual work planing

• PSS2-S type





unit: mm

Bore	Figure	d	g	n	k	ST · DT
20	Rhombic	Rc3/4	56	2	M8	16.5
	Square	Rc3/4	75	4	M10	22
25		Rc 1	75	4	M10	22
32		Rc1 1/4	90	4	M10	23
40		Rc1 1/2	95	4	M10	25
50		Rc2	105	4	M10	27
32	Round	Rc1 1/4	100	4	M12	25
40		Rc1 1/2	105	4	M12	25
50		Rc2	120	4	M12	27
65		Rc2 1/2	140	4	M12	31
80		Rc3	150	8	M12	33

PSS(2)/D/012 E

50Hz

unit: mm — PSS(2)/d/511 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PSS2-205-0.06S	0.06	264	33	149	75	204	133	100	100	8	Rhombic
	PSS2-205-0.1S	0.1	274	40	220	110	212	133	111	100	10.5	Square
	PSS2-205-0.15S	0.15	274	40	220	110	212	133	111	100	11	
25	PSS2-255-0.1S	0.1	274	40	220	110	212	133	111	100	10.5	
	PSS2-255-0.15S	0.15	274	40	220	110	212	133	111	100	11	
	PSS2-255-0.25S	0.25	295	40	220	110	213	133	111	100	12.5	
	PSS2-255-0.4S	0.4	295	40	220	110	213	133	111	100	14	
32	PSS2-325-0.15S	0.15	279	45	220	110	217	133	116	100	12	
	PSS2-325-0.25S	0.25	300	45	220	110	217	133	116	100	13	
	PSS2-325-0.4S	0.4	300	45	220	110	217	133	116	100	15	
40	PSS2-405-0.25S	0.25	308	50	220	110	214	133	124	100	13.5	
	PSS2-405-0.4S	0.4	308	50	220	110	214	133	124	100	16	
50	PSS2-505-0.4S	0.4	317	55	220	110	218	133	133	100	16.5	

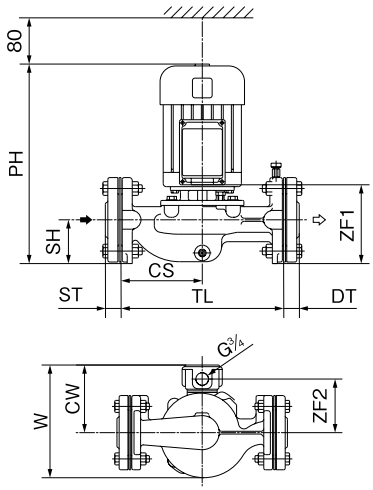
60Hz

unit: mm — PSS(2)/d/612 E

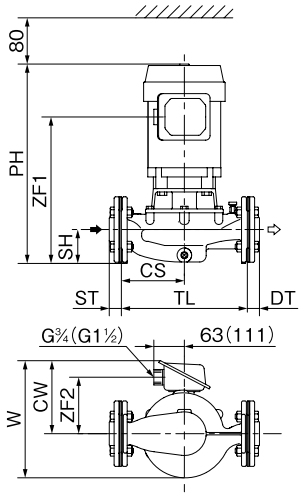
Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PSS2-206-0.06S	0.06	264	33	149	75	204	133	100	100	8	Rhombic
	PSS2-206-0.1S	0.1	264	33	149	75	204	133	100	100	9	
	PSS2-206-0.15S	0.15	274	40	220	110	212	133	111	100	11	Square
	PSS2-206-0.25S	0.25	295	40	220	110	212	133	111	100	12	
25	PSS2-256-0.15S	0.15	274	40	220	110	212	133	111	100	11	
	PSS2-256-0.25S	0.25	295	40	220	110	213	133	111	100	12.5	
	PSS2-256-0.4S	0.4	295	40	220	110	213	133	111	100	14	
32	PSS2-326-0.25S	0.25	300	45	220	110	217	133	116	100	13	
	PSS2-326-0.4S	0.4	300	45	220	110	217	133	116	100	15	
40	PSS2-406-0.4S	0.4	308	50	220	110	214	133	124	100	15.5	

Outline dimension table Inquire specification sheets and drawings in case of actual work planing

• PSS2-T type



• PSS-G type



( ) shows the dimensions in case of 5.5kW or more model.

PSS(2)/D/023 E

50Hz

unit: mm PSS(2)/d/524 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PSS2-205-0.15T	0.15	274	40	220	110	202	123	111	98	10.5	Square
25	PSS2-255-0.15T	0.15	274	40	220	110	202	123	111	98	10.5	
	PSS2-255-0.25T	0.25	274	40	220	110	202	123	111	98	11	
	PSS2-255-0.4T	0.4	295	40	220	110	202	123	111	98	13	
32	PSS2-325-0.15T	0.15	279	45	220	110	207	123	116	98	11.5	
	PSS2-325-0.25T	0.25	279	45	220	110	207	123	116	98	11.5	
	PSS2-325-0.4T	0.4	300	45	220	110	207	123	116	98	14	
	PSS325E0.75G	0.75	410	70	260	130	242	151	303	117	29	Round
40	PSS2-405-0.25T	0.25	287	50	220	110	204	123	124	98	12	Square
	PSS2-405-0.4T	0.4	308	50	220	110	204	123	124	98	15	
	PSS405E0.75G	0.75	415	75	260	130	246	151	308	117	29	Round
	PSS405E1.5G	1.5	434	75	280	140	266	158	311	124	36	
	PSS405E2.2G	2.2	458	75	280	140	266	158	335	124	38	
50	PSS2-505-0.4T	0.4	317	55	220	110	208	123	133	98	15.5	Square
	PSS505E0.75G	0.75	424	80	260	130	246	151	317	117	31	Round
	PSS505E1.5G	1.5	444	80	260	130	253	158	321	124	36	
	PSS505E2.2G	2.2	469	80	280	140	269	158	346	124	40	
	PSS505E3.7G	3.7	510	100	340	180	289	165	404	131	53	
65	PSS655E0.75G	0.75	445	100	340	170	257	151	338	117	36	
	PSS655E1.5G	1.5	465	100	340	170	264	158	342	124	40	
	PSS655E2.2G	2.2	489	100	340	170	265	158	366	124	45	
	PSS655E3.7G	3.7	515	100	340	175	288	165	409	131	55	
	PSS655E5.5G	5.5	579	100	370	195	371	242	452	180	79	
80	PSS805E1.5G	1.5	485	110	370	190	282	158	362	124	46	
	PSS805E2.2G	2.2	509	110	370	190	282	158	386	124	49	
	PSS805E3.7G	3.7	540	110	390	200	294	165	434	131	59	
	PSS805E5.5G	5.5	599	110	390	200	375	242	472	180	82	
	PSS805E7.5G	7.5	634	110	390	200	375	242	507	180	90	

PSS(2) Type

60Hz

unit: mm | PSS(2)/d/625 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PSS2-206-0.15T	0.15	274	40	220	110	202	123	111	98	10.5	Square
	PSS2-206-0.25T	0.25	274	40	220	110	202	123	111	98	10.5	
25	PSS2-256-0.15T	0.15	274	40	220	110	202	123	111	98	10.5	
	PSS2-256-0.25T	0.25	274	40	220	110	202	123	111	98	11	
	PSS2-256-0.4T	0.4	295	40	220	110	202	123	111	98	13	
32	PSS2-326-0.25T	0.25	279	45	220	110	207	123	116	98	11.5	
	PSS2-326-0.4T	0.4	300	45	220	110	207	123	116	98	14	
	PSS326E0.75G	0.75	410	70	260	130	242	151	303	117	29	Round
	PSS326E1.5G	1.5	430	70	260	130	252	158	307	124	34	
40	PSS2-406-0.4T	0.4	308	50	220	110	204	123	124	98	14.5	Square
	PSS406E0.75G	0.75	415	75	260	130	246	151	308	117	29	Round
	PSS406E1.5G	1.5	435	75	260	130	253	158	312	124	34	
	PSS406E2.2G	2.2	458	75	280	140	266	158	335	124	38	
	PSS406E3.7G	3.7	484	75	280	140	273	165	378	131	46	
50	PSS506E0.75G	0.75	424	80	260	130	246	151	317	117	31	
	PSS506E1.5G	1.5	444	80	260	130	253	158	321	124	36	
	PSS506E2.2G	2.2	468	80	260	130	253	158	345	124	38	
	PSS506E3.7G	3.7	495	80	280	140	276	165	389	131	50	
	PSS506E5.5G	5.5	574	100	340	180	366	242	447	180	75	
	PSS506E7.5G	7.5	609	100	340	180	366	242	482	180	83	
65	PSS656E0.75G	0.75	445	100	340	170	257	151	338	117	36	
	PSS656E1.5G	1.5	465	100	340	170	264	158	342	124	40	
	PSS656E2.2G	2.2	489	100	340	170	264	158	366	124	43	
	PSS656E3.7G	3.7	515	100	340	170	272	165	409	131	53	
	PSS656E5.5G	5.5	579	100	370	195	371	242	452	180	78	
	PSS656E7.5G	7.5	614	100	370	195	371	242	487	180	86	
80	PSS806E1.5G	1.5	485	110	370	190	282	158	362	124	45	
	PSS806E2.2G	2.2	509	110	370	190	282	158	386	124	49	
	PSS806E3.7G	3.7	535	110	370	190	289	165	429	131	57	
	PSS806E5.5G	5.5	599	110	390	200	371	242	472	180	81	
	PSS806E7.5G	7.5	634	110	390	200	371	242	507	180	89	

For circulation · Line pump

PE(2) Type Line pump 2 pole

Application

Features

- Strong against deterioration of bearing and insulation due to TEFC motor
- Long life and strong against leakage due to adoption of high quality mechanical seal which can stand antifreeze

Maximum suction total head (20°C)

Bore	Total suction head
20 ~ 65m	-6m
80m	50Hz : -5.5m 60Hz : -3m

Note) If the value obtained by subtracting 3 m from the total head is less than the value above, the value obtained by subtracting 3 m from the total head will be the maximum suction total head.

Standard accessories

Motor, Companion flange

Standard specifications

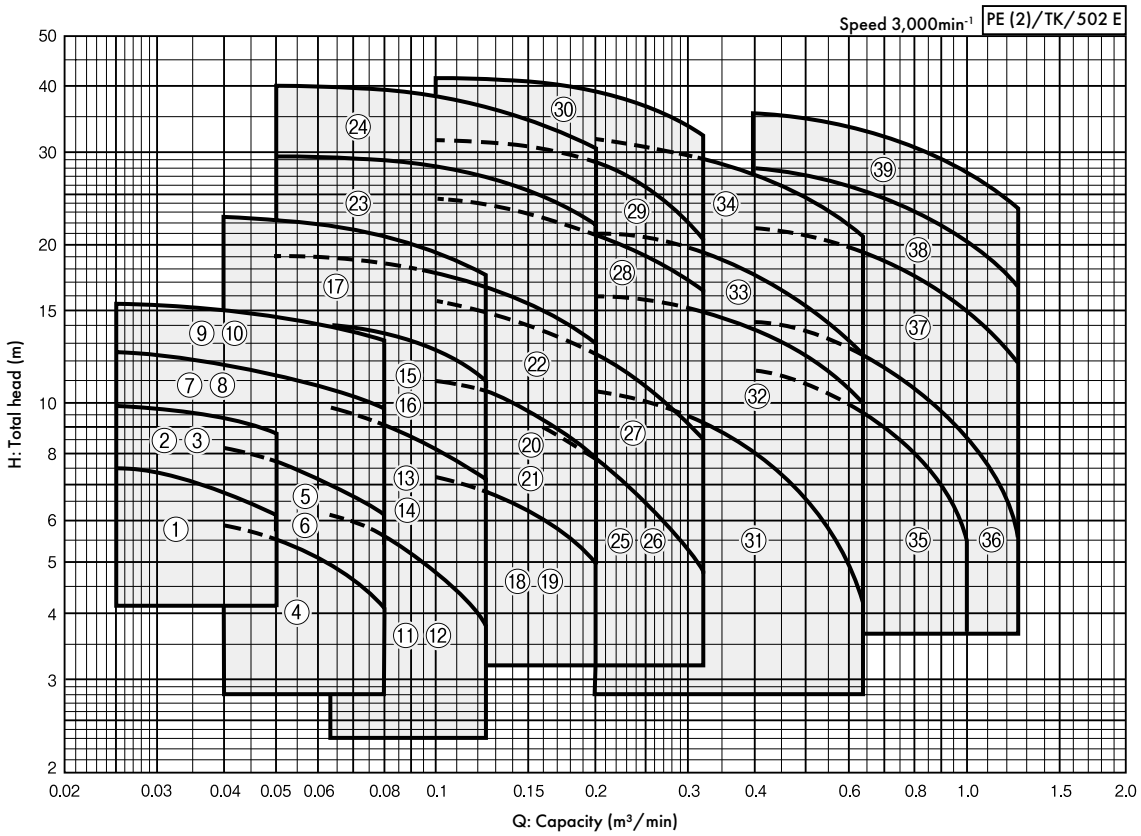
- Liquid: Clean water 0~90°C (No freezing)
- Materials: Impeller SCS13; Shaft SUS304(Wetted part); Casing Cast iron
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC outdoor. Single phase, Three phase
- Flange: Exclusive flange (Bore 25mm or less) JIS 10K Thin type (Bore 32mm or more)
- Applicable antifreeze: GD BRINE950S, Nybrine Z-1, Showbrine PP Super (Antifreeze concentration: 35~50% liquid temperature: 0~90°C) Please inquire in case GD BRAINE 950S is used.

Maximum back pressure

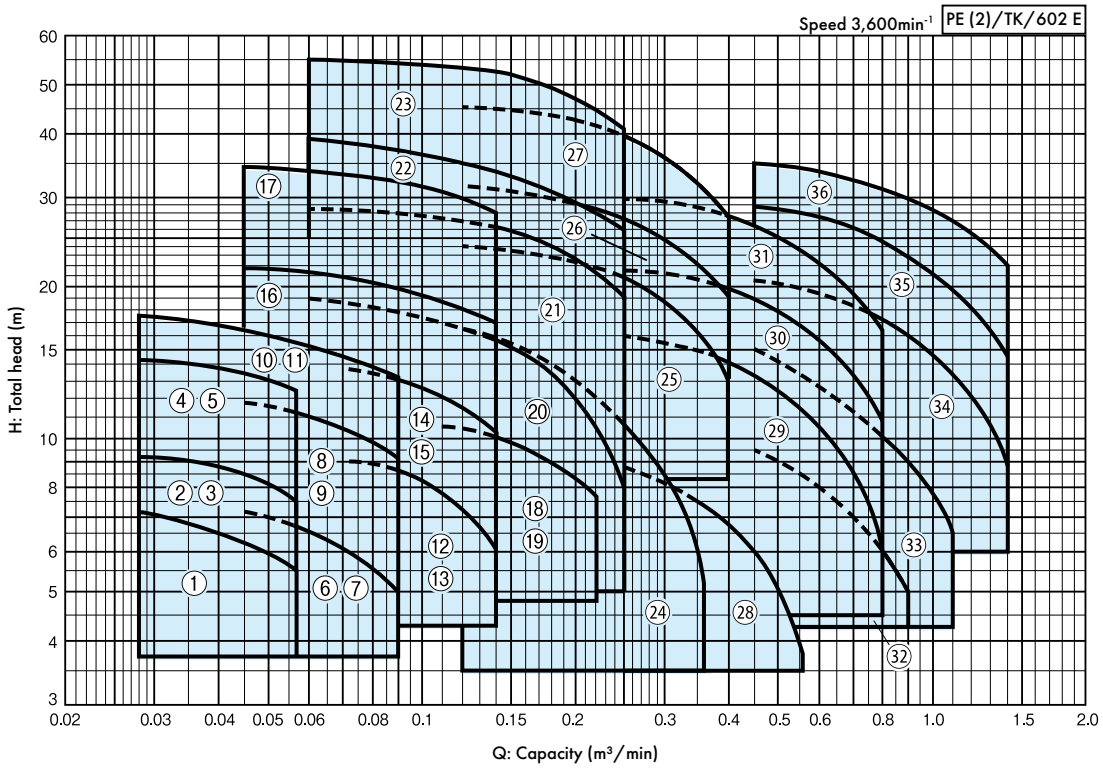
0.15kW or less	Single phase, 0.2MPa
	Three phase, (0.5 - the shut-off pressure) MPa
0.25kW or more	(0.7 - the shut-off pressure) MPa

Selection chart

50Hz



60Hz



PE(2) Type

Specification table

50Hz

Bore	Ref.	Model	Motor	PE(2)/SI/503 E				
				Standard specifications				Maximum back pressure
				Capacity	Total head	Capacity	Total head	
mm			kW	m^3/min	m	m^3/min	m	MPa
20	1	PE2-205-0.1S	0.1*	0.025	7.5	0.05	6.2	0.2
	2	PE2-205-0.15S	0.15*	0.025	9.8	0.05	8.8	0.2
	3	PE2-205-0.15T	0.15	0.025	9.8	0.05	8.8	0.39
25	4	PE2-255-0.1S	0.1*	0.04	5.8	0.08	4.2	0.2
	5	PE2-255-0.15S	0.15*	0.04	8.2	0.08	6.2	0.2
	6	PE2-255-0.15T	0.15	0.04	8.2	0.08	6.2	0.4
	7	PE2-255-0.25S	0.25*	0.025	12.5	0.08	9.8	0.57
	8	PE2-255-0.25T	0.25	0.025	12.5	0.08	9.8	0.57
	9	PE2-255-0.4S	0.4*	0.025	15.5	0.08	13.2	0.53
	10	PE2-255-0.4T	0.4	0.025	15.5	0.08	13.2	0.53
32	11	PE2-325-0.15S	0.15*	0.063	6.2	0.125	3.8	0.2
	12	PE2-325-0.15T	0.15	0.063	6.2	0.125	3.8	0.43
	13	PE2-325-0.25S	0.25*	0.063	9.8	0.125	7.2	0.58
	14	PE2-325-0.25T	0.25	0.063	9.8	0.125	7.2	0.58
	15	PE2-325-0.4S	0.4*	0.063	14	0.125	11	0.54
	16	PE2-325-0.4T	0.4	0.063	14	0.125	11	0.54
	17	PE325E0.75	0.75	0.04	22.5	0.125	17.5	0.46
40	18	PE2-405-0.25S	0.25*	0.1	7.2	0.2	5	0.62
	19	PE2-405-0.25T	0.25	0.1	7.2	0.2	5	0.62
	20	PE2-405-0.4S	0.4*	0.1	11	0.2	7.8	0.57
	21	PE2-405-0.4T	0.4	0.1	11	0.2	7.8	0.57
	22	PE405E0.75	0.75	0.05	19	0.2	13	0.5
	23	PE405E1.5	1.5	0.05	29.8	0.2	22	0.39
	24	PE405E2.2	2.2	0.05	40	0.2	30.5	0.3
50	25	PE2-505-0.4S	0.4*	0.16	9	0.32	4.8	0.6
	26	PE2-505-0.4T	0.4	0.16	9	0.32	4.8	0.6
	27	PE505E0.75	0.75	0.1	15.8	0.32	8.5	0.53
	28	PE505E1.5	1.5	0.1	24.5	0.32	16.5	0.45
	29	PE505E2.2	2.2	0.1	31.5	0.32	20.5	0.38
	30	PE505E3.7	3.7	0.1	42.5	0.32	32.5	0.29
65	31	PE655E0.75	0.75	0.2	10.5	0.63	4.2	0.57
	32	PE655E1.5	1.5	0.2	16	0.63	10	0.51
	33	PE655E2.2	2.2	0.2	21	0.63	12.5	0.46
	34	PE655E3.7	3.7	0.2	31.8	0.63	20.5	0.35
80	35	PE805E1.5	1.5	0.4	11.5	1	5.5	0.54
	36	PE805E2.2	2.2	0.4	14.2	1.25	5.5	0.52
	37	PE805E3.7	3.7	0.4	21.5	1.25	11.8	0.42
	38	PE805E5.5	5.5	0.4	28	1.25	16.5	0.38
	39	PE805E7.5	7.5	0.4	35	1.25	23.8	0.3

* Single phase 100V

Specification table

60Hz

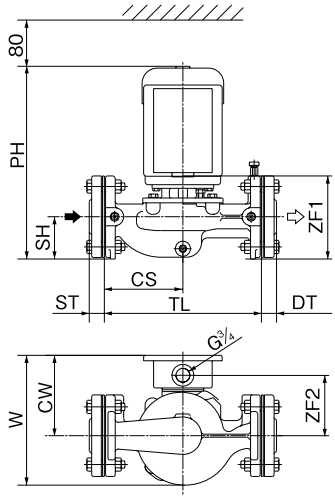
Bore	Ref.	Model	Motor	PE(2)/SI/605 E				
				Standard specifications				Maximum back pressure
				Capacity	Total head	Capacity	Total head	
mm			kW	m^3/min	m	m^3/min	m	MPa
20	1	PE2-206-0.1S	0.1*	0.028	7.2	0.056	5.5	0.2
	2	PE2-206-0.15S	0.15*	0.028	9.2	0.056	7.5	0.2
	3	PE2-206-0.15T	0.15	0.028	9.2	0.056	7.5	0.39
	4	PE2-206-0.25S	0.25*	0.028	14.2	0.056	12.5	0.55
	5	PE2-206-0.25T	0.25	0.028	14.2	0.056	12.5	0.55
25	6	PE2-256-0.15S	0.15*	0.045	7.2	0.09	5	0.2
	7	PE2-256-0.15T	0.15	0.045	7.2	0.09	5	0.41
	8	PE2-256-0.25S	0.25*	0.045	11.8	0.09	9.2	0.56
	9	PE2-256-0.25T	0.25	0.045	11.8	0.09	9.2	0.56
	10	PE2-256-0.4S	0.4*	0.028	17.5	0.09	13.2	0.51
	11	PE2-256-0.4T	0.4	0.028	17.5	0.09	13.2	0.51
32	12	PE2-326-0.25S	0.25*	0.071	9	0.14	6.2	0.59
	13	PE2-326-0.25T	0.25	0.071	9	0.14	6.2	0.59
	14	PE2-326-0.4S	0.4*	0.071	14	0.14	10.2	0.53
	15	PE2-326-0.4T	0.4	0.071	14	0.14	10.2	0.53
	16	PE326E0.75	0.75	0.045	21.8	0.14	17	0.46
	17	PE326E1.5	1.5	0.045	34	0.14	28	0.34
40	18	PE2-406-0.4S	0.4*	0.11	10.5	0.22	7.8	0.58
	19	PE2-406-0.4T	0.4	0.11	10.5	0.22	7.8	0.58
	20	PE406E0.75	0.75	0.06	19	0.25	8	0.5
	21	PE406E1.5	1.5	0.06	28.5	0.25	19	0.4
	22	PE406E2.2	2.2	0.06	39	0.25	26	0.31
	23	PE406E3.7	3.7	0.06	55	0.25	41	0.14
50	24	PE506E0.75	0.75	0.12	16.5	0.36	5.2	0.51
	25	PE506E1.5	1.5	0.12	24	0.4	13	0.45
	26	PE506E2.2	2.2	0.12	31.5	0.4	19	0.36
	27	PE506E3.7	3.7	0.12	45	0.4	27.5	0.24
65	28	PE656E0.75	0.75	0.25	8.8	0.56	3.8	0.59
	29	PE656E1.5	1.5	0.25	15.8	0.8	6	0.51
	30	PE656E2.2	2.2	0.25	21.5	0.8	11	0.45
	31	PE656E3.7	3.7	0.25	30	0.8	16.5	0.36
80	32	PE806E1.5	1.5	0.45	9.5	0.9	5	0.57
	33	PE806E2.2	2.2	0.45	15	1.1	6.5	0.52
	34	PE806E3.7	3.7	0.45	20.5	1.4	8.8	0.45
	35	PE806E5.5	5.5	0.45	29	1.4	14.5	0.34
	36	PE806E7.5	7.5	0.45	35	1.4	22	0.29

* Single phase 100V

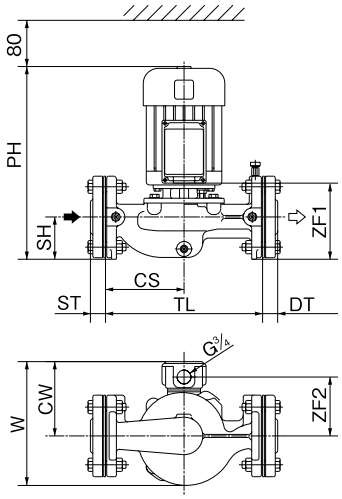
PE(2) Type

Outline dimension table
Inquire specification sheets and drawings in case of actual work planing

• PE2-S type



• PE2-T type



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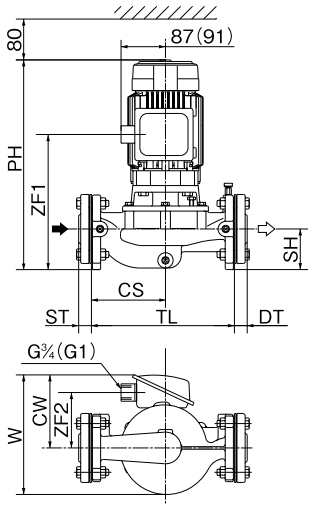
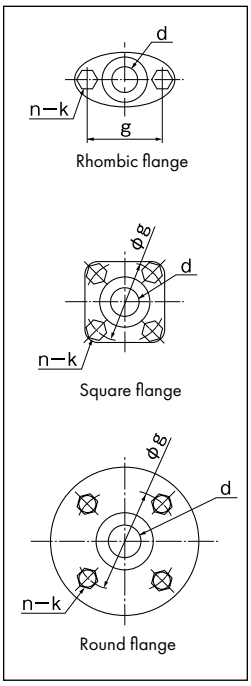


( ) shows the dimensions in case of 5.5kW or more model.



unit: mm

Bore	Figure	d	g	n	k	ST・DT
20	Rhombic	Rc3/4	70	2	M10	23
25		Rc1	70	2	M10	25
25	Square	Rc1	75	4	M10	22
32	Round	Rc1 1/4	100	4	M12	25
40		Rc1 1/2	105	4	M12	25
50		Rc2	120	4	M12	27
65		Rc2 1/2	140	4	M12	31
80		Rc3	150	8	M12	33
					PE(2)/D/000E	

50Hz PE2-S type (Single phase)

unit: mm | PE(2)/d/511 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PE2-205-0.1S	0.1	279	46	180	85	203	133	116	100	11	Rhombic
	PE2-205-0.15S	0.15	279	46	180	85	203	133	116	100	11.5	
25	PE2-255-0.1S	0.1	279	46	179	85	203	133	116	100	11	
	PE2-255-0.15S	0.15	278	45	220	110	213	133	115	100	12.5	Square
	PE2-255-0.25S	0.25	299	45	220	110	213	133	115	100	14	
	PE2-255-0.4S	0.4	299	45	220	110	213	133	115	100	16	
32	PE2-325-0.15S	0.15	298	70	260	130	215	133	135	100	17.5	Round
	PE2-325-0.25S	0.25	319	70	260	130	215	133	135	100	18.5	
	PE2-325-0.4S	0.4	319	70	260	130	215	133	135	100	20.5	
40	PE2-405-0.25S	0.25	328	75	260	130	215	133	144	100	19.5	
	PE2-405-0.4S	0.4	328	75	260	130	215	133	144	100	22	
50	PE2-505-0.4S	0.4	338	80	290	145	215	133	154	100	23.5	

60Hz PE2-S type (Single phase)

unit: mm | PE(2)/d/611 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PE2-206-0.1S	0.1	279	46	180	85	203	133	116	100	11	Rhombic
	PE2-206-0.15S	0.15	279	46	180	85	203	133	116	100	11.5	
	PE2-206-0.25S	0.25	300	46	180	85	203	133	116	100	12.5	
25	PE2-256-0.15S	0.15	278	45	220	110	213	133	115	100	12.5	Square
	PE2-256-0.25S	0.25	299	45	220	110	213	133	115	100	14	
	PE2-256-0.4S	0.4	299	45	220	110	213	133	115	100	16	
32	PE2-326-0.25S	0.25	319	70	260	130	215	133	135	100	18.5	Round
	PE2-326-0.4S	0.4	319	70	260	130	215	133	135	100	20.5	
40	PE2-406-0.4S	0.4	328	75	260	130	215	133	144	100	22	

50Hz PE2-S type (Three phase)

unit: mm | PE(2)/d/521 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PE2-205-0.15T	0.15	279	46	180	85	193	123	116	98	11	Rhombic
25	PE2-255-0.15T	0.15	278	45	220	110	203	123	115	98	12	Square
	PE2-255-0.25T	0.25	278	45	220	110	203	123	115	98	12.5	
	PE2-255-0.4T	0.4	299	45	220	110	203	123	115	98	15	
32	PE2-325-0.15T	0.15	298	70	260	130	205	123	135	98	17	Round
	PE2-325-0.25T	0.25	298	70	260	130	205	123	135	98	17	
	PE2-325-0.4T	0.4	319	70	260	130	205	123	135	98	19.5	
	PE325E0.75	0.75	421	80	280	145	234	143	275	109	27	
40	PE2-405-0.25T	0.25	307	75	260	130	205	123	144	98	18	
	PE2-405-0.4T	0.4	328	75	260	130	205	123	144	98	21	
	PE405E0.75	0.75	428	87	300	150	238	143	282	109	28	
	PE405E1.5	1.5	456	87	340	175	267	155	291	120	37	
	PE405E2.2	2.2	448	87	340	175	279	167	296	132	43	
50	PE2-505-0.4T	0.4	338	80	290	145	205	123	154	98	22.5	
	PE505E0.75	0.75	440	95	315	160	240	144	294	109	29	
	PE505E1.5	1.5	469	95	315	160	251	155	304	120	35	
	PE505E2.2	2.2	462	95	340	175	287	167	310	132	47	
	PE505E3.7	3.7	502	95	340	175	287	167	310	132	54	
65	PE655E0.75	0.75	446	100	340	170	250	143	300	109	32	
	PE655E1.5	1.5	475	100	340	170	262	155	310	120	39	
	PE655E2.2	2.2	467	100	340	170	275	167	315	132	49	
	PE655E3.7	3.7	507	100	340	175	291	167	315	132	58	
80	PE805E1.5	1.5	495	110	370	190	280	155	330	120	49	
	PE805E2.2	2.2	487	110	370	190	292	167	335	132	55	
	PE805E3.7	3.7	532	110	390	200	298	167	340	132	65	
	PE805E5.5	5.5	594	110	390	200	329	194	398	158	79	
	PE805E7.5	7.5	610	110	390	200	342	206	372	170	98	

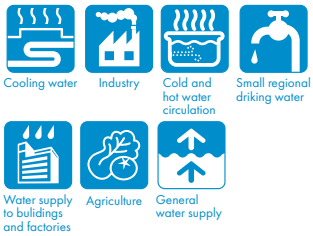
60Hz PE2-S type (Three phase)

unit: mm | PE(2)/d/621 E

Bore	Model	Motor	Pump						Combinations		Mass	Flange figure
mm		kW	PH	SH	TL	CS	W	CW	ZF1	ZF2	kg	
20	PE2-206-0.15T	0.15	279	46	180	85	193	123	116	98	11	Rhombic
	PE2-206-0.25T	0.25	279	46	180	85	193	123	116	98	11	
25	PE2-256-0.15T	0.15	278	45	220	110	203	123	115	98	12	Square
	PE2-256-0.25T	0.25	278	45	220	110	203	123	115	98	12.5	
	PE2-256-0.4T	0.4	299	45	220	110	203	123	115	98	15	
32	PE2-326-0.25T	0.25	298	70	260	130	205	123	135	98	17	Round
	PE2-326-0.4T	0.4	319	70	260	130	205	123	135	98	19.5	
	PE326E0.75	0.75	421	80	260	135	234	143	275	109	27	
	PE326E1.5	1.5	450	80	280	145	246	155	284	120	33	
40	PE2-406-0.4T	0.4	328	75	260	130	205	123	144	98	21	
	PE406E0.75	0.75	428	87	300	150	238	143	282	109	29	
	PE406E1.5	1.5	457	87	300	150	250	155	292	120	34	
	PE406E2.2	2.2	448	87	340	175	279	167	296	132	43	
	PE406E3.7	3.7	488	87	340	175	279	167	296	132	47	
50	PE506E0.75	0.75	440	95	315	160	240	144	294	109	28	
	PE506E1.5	1.5	469	95	315	160	251	155	304	120	35	
	PE506E2.2	2.2	461	95	315	160	268	167	309	132	40	
	PE506E3.7	3.7	502	95	340	175	287	167	310	132	53	
65	PE656E0.75	0.75	446	100	340	170	250	143	300	109	32	
	PE656E1.5	1.5	475	100	340	170	262	155	310	120	39	
	PE656E2.2	2.2	467	100	340	170	274	167	315	132	44	
	PE656E3.7	3.7	507	100	340	170	275	167	315	132	55	
80	PE806E1.5	1.5	495	110	370	190	280	155	330	120	43	
	PE806E2.2	2.2	487	110	370	190	292	167	335	132	54	
	PE806E3.7	3.7	527	110	370	190	292	167	335	132	61	
	PE806E5.5	5.5	594	110	390	200	325	194	398	158	78	
	PE806E7.5	7.5	610	110	390	200	342	206	372	170	97	

GES-C Type Stainless steel compact centrifugal pump 2 pole

Application



Features

- Compact, light weight and less installation space
- Easy maintenance and inspection due to Back Pull Out structure
- Strong for stress-strain and long life because main parts are precision cast stainless material
- Maintenance is easy because long life mechanical seal is adopted for shaft sealing and compact mono block construction.
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.

Maximum suction total head (20°C)

-6m

Standard specifications

- Liquid: Clean water 0~90°C (No freezing) (The maximum temperature: 100°C Please inquire.)
- Materials: Impeller SCS14, Shaft SUS304, Casing SCS13
- Shaft sealing: Mechanical seal (Ceramic x Carbon)
- Motor: TEFC outdoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

Motor, Base

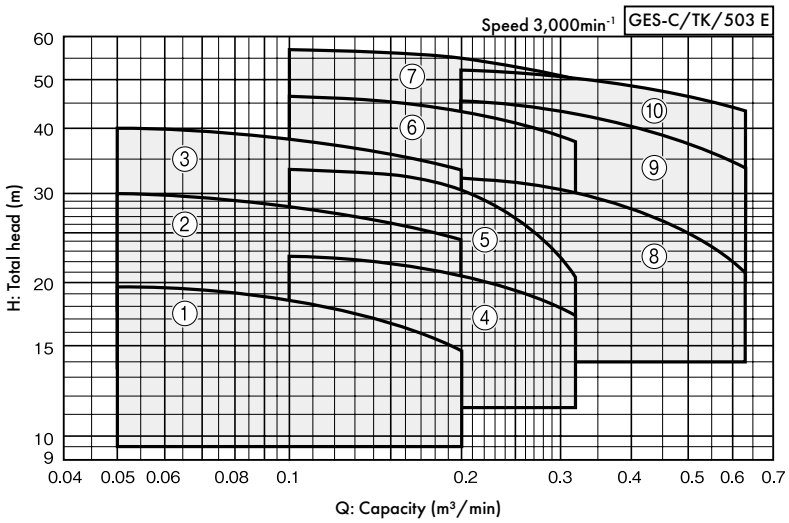
Maximum back pressure

··· Refer to the specification table

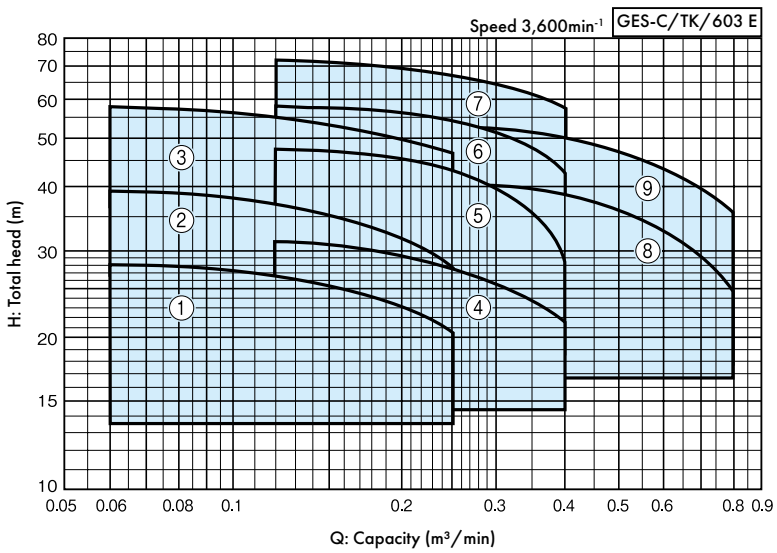
(1 - The shut-off pressure) MPa

Selection chart

50Hz



60Hz



Specification table

50Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GES-C/SI/502 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GES405CE0.75	0.75	0.05	19.5	0.2	14.5	0.77	PBKV-46-404-01	PX-60Z
		2	GES405CE1.5	1.5	0.05	30	0.2	24	0.68	PBKV-46-404-02	PX-60Z
		3	GES405CE2.2	2.2	0.05	40	0.2	33	0.57	PBKV-46-404-02	PX-60Z
50	40	4	GES505CE1.5	1.5	0.1	22.5	0.32	17	0.74	PBKV-46-404-01	PX-60Z
		5	GES505CE2.2	2.2	0.1	33.5	0.32	20.5	0.64	PBKV-46-404-02	PX-60Z
		6	GES505CE3.7	3.7	0.1	45.5	0.32	37.5	0.51	QRE-01A	PX-60Z
		7	GES505CE5.5	5.5	0.1	57	0.32	50	0.39	QRE-01A	PX-60Z
65	50	8	GES655CE3.7	3.7	0.2	32.5	0.63	21	0.66	QRE-01A	PX-60Z
		9	GES655CE5.5	5.5	0.2	45	0.63	34	0.53	QRE-01A	PX-85Z
		10	GES655CE7.5	7.5	0.2	52	0.63	43	0.46	QRE-01A	PX-85Z

* Single phase 100V

60Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GES-C/SI/603 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m^3/min	m	m^3/min	m	MPa		
40	32	1	GES406CE1.5	1.5	0.06	28	0.25	20.5	0.69	PBKV-46-404-01	PX-60Z
		2	GES406CE2.2	2.2	0.06	39	0.25	27.5	0.59	PBKV-46-404-02	PX-60Z
		3	GES406CE3.7	3.7	0.06	57	0.25	46.5	0.40	QRE-01A	PX-60Z
50	40	4	GES506CE2.2	2.2	0.12	31	0.4	21.5	0.65	PBKV-46-404-01	PX-60Z
		5	GES506CE3.7	3.7	0.12	47.5	0.4	28.5	0.48	QRE-01A	PX-60Z
		6	GES506CE5.5	5.5	0.12	56.5	0.4	43	0.41	QRE-01A	PX-60Z
		7	GES506CE7.5	7.5	0.12	71	0.4	57.5	0.25	QRE-01A	PX-60Z
65	50	8	GES656CE5.5	5.5	0.25	40.5	0.8	25	0.58	QRE-01A	PX-60Z
		9	GES656CE7.5	7.5	0.25	52	0.8	36	0.46	QRE-01A	PX-60Z

* Single phase 100V

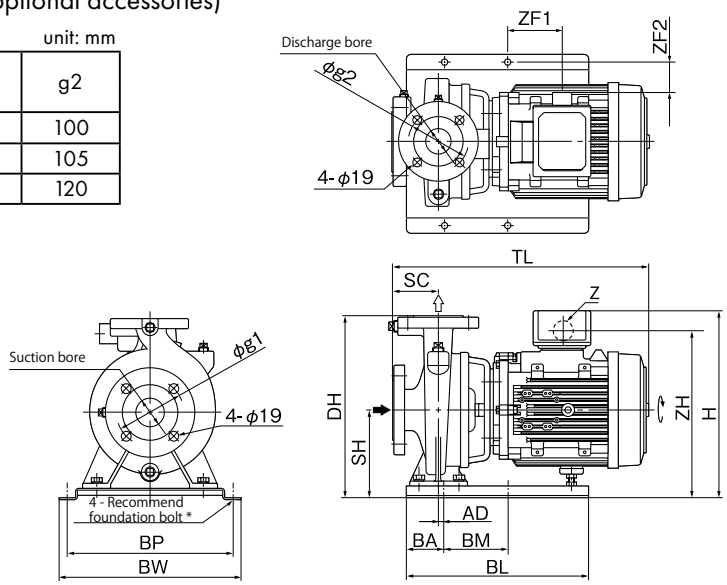
GES-C Type

Outline dimension table Inquire specification sheets and drawings in case of actual work planing

Flange: JIS 10K standard type
(Companion flange are optional accessories)

unit: mm

Bore		g1	g2
Suction	Discharge		
40	32	105	100
50	40	120	105
65	50	140	120



* Foundation bolts are optional accessories. If you need them, please buy yourself.
· Recommend foundation bolt size: M10 x 125
Note) The figure shows 2.2kW or less. The base of 3.7kW more models is cast iron.

GES-C/HD/001 E

50Hz

unit: mm GE-C/Hd/502 E

Suction bore	Discharge bore	Model	Motor	Pump	Base					Combinations									Mass
mm	mm		kW	SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	H	ZF1	ZF2	ZH	Z	kg
40	32	GES405CE0.75	0.75	65	320	60	130	230	260	272	132	414	22	275	51	28	241	G3/4	25
		GES405CE1.5	1.5	80	320	60	130	290	320	312	152	455	0		80	58	272	G3/4	35
		GES405CE2.2	2.2	80	320	60	130	290	320	312	152	447	0	319	85	58	284	G3/4	41
50	40	GES505CE1.5	1.5	80	320	60	130	230	260	272	132	460	0	287	84	28	252	G3/4	34
		GES505CE2.2	2.2	80	320	60	130	290	320	312	152	452	0	319	90	58	284	G3/4	43
		GES505CE3.7	3.7	80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	51
		GES505CE5.5	5.5	80	400	65	270	290	324	375	195	559	5	389	8	54	353	G1	73
65	50	GES655CE3.7	3.7	80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	52
		GES655CE5.5	5.5	100	400	65	270	350	384	375	195	579	5	389	8	84	353	G1	75
		GES655CE7.5	7.5	100	400	65	270	350	384	375	195	595	5	400	-19	84	365	G1	94

Note) In case H ≤ DH, H is omitted.
< - > shows reverse direction to the drawing in this table.

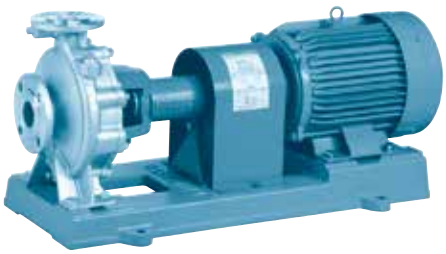
60Hz

unit: mm GE-C/Hd/502 E

Suction bore	Discharge bore	Model	Motor	Pump	Base					Combinations									Mass
mm	mm		kW	SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	H	ZF1	ZF2	ZH	Z	kg
40	32	GES405CE0.75	0.75	65	320	60	130	230	260	272	132	414	22	275	51	28	241	G3/4	25
		GES405CE1.5	1.5	80	320	60	130	290	320	312	152	455	0	–	80	58	272	G3/4	35
		GES405CE2.2	2.2	80	320	60	130	290	320	312	152	447	0	319	85	58	284	G3/4	41
50	40	GES505CE1.5	1.5	80	320	60	130	230	260	272	132	460	0	287	84	28	252	G3/4	34
		GES505CE2.2	2.2	80	320	60	130	290	320	312	152	452	0	319	90	58	284	G3/4	43
		GES505CE3.7	3.7	80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	51
		GES505CE5.5	5.5	80	400	65	270	290	324	375	195	559	5	389	8	54	353	G1	73
65	50	GES655CE3.7	3.7	80	400	65	270	290	324	327	167	492	5	334	-55	58	299	G3/4	52
		GES655CE5.5	5.5	100	400	65	270	350	384	375	195	579	5	389	8	84	353	G1	75
		GES655CE7.5	7.5	100	400	65	270	350	384	375	195	595	5	400	-19	84	365	G1	94

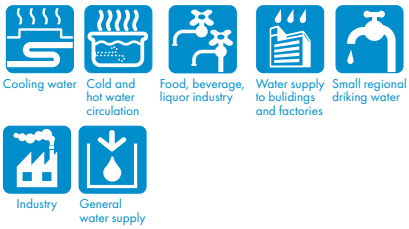
Note) In case H ≤ DH, H is omitted.
< - > shows reverse direction to the drawing in this table.

GES-2M Type Stainless steel centrifugal pump 2 pole



- Inquire sea water and other special liquid applications

Application



Features

- The wetting part is clean due to whole stainless steel
- Adopting long life mechanical seal for the shaft sealing, so less water leak and easy maintenance.
- Easy maintenance and inspection due to Back Pull Out structure
- Long life and strong against dust and humidity because TEFC outdoor motor is standard adoption
- High efficiency and high total head pump design by using precision cast stainless steel material

Standard specifications

- Liquid: Clean water 0~90°C (No freezing) (The maximum temperature: 100°C Please inquire.)
- Materials: Impeller SCS14; Shaft SUS316 (Wetted part); Casing SCS13
- Structure: Impeller Close; Shaft seal Mechanical seal (SiC x Carbon); Casing Sealed ball bearing
- Installation: Indoor
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum back pressure

··· Refer to the specification table

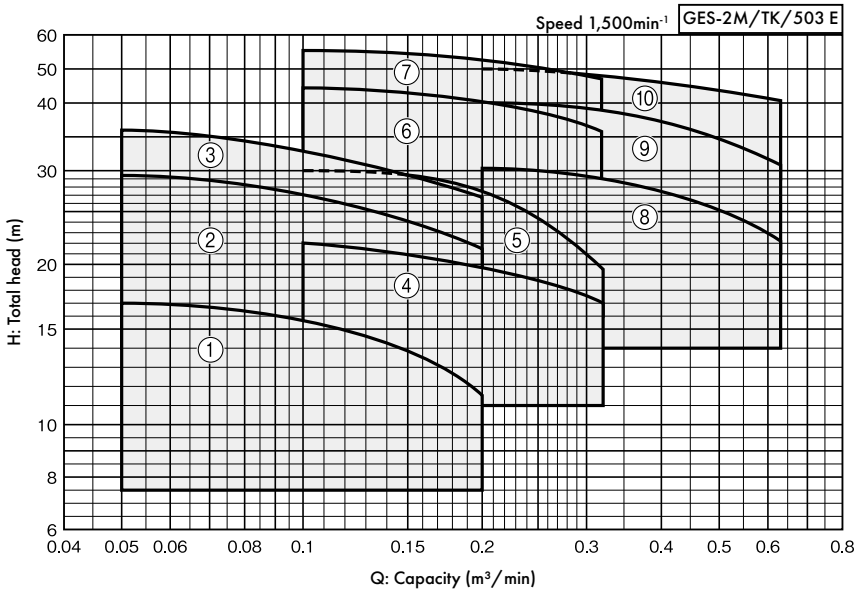
(1 - The shut-off pressure) MPa

Maximum suction total head (20°C)

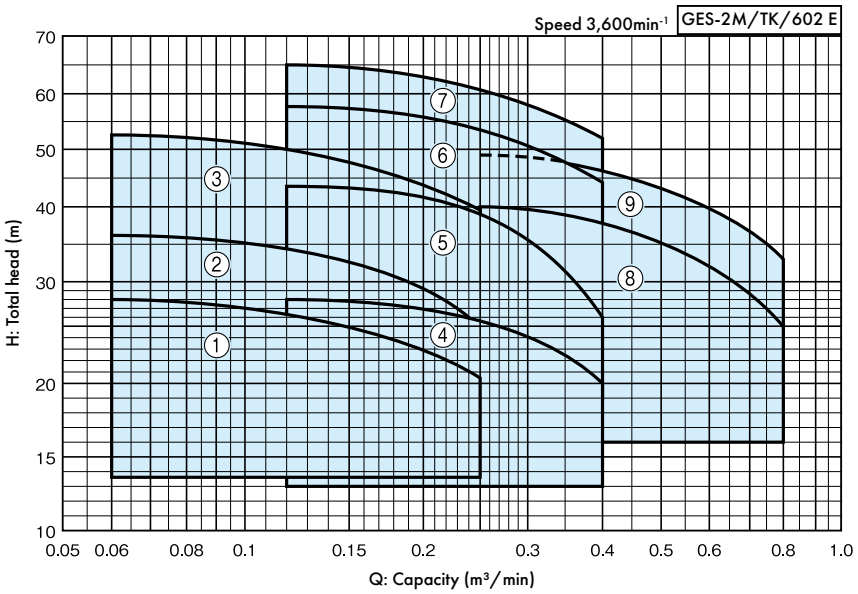
-6m

Selection chart

50Hz



60Hz



GES-2M Type

Specification table

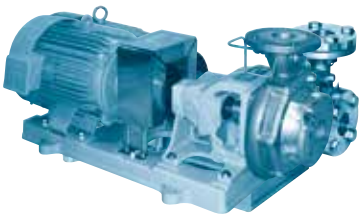
50Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GES- 2M/SI/503 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GES405M2ME0.75	0.75	0.05	17	0.2	11.5	0.80	QRE-01A	PX-60Z
		2	GES405M2ME1.5	1.5	0.05	29.5	0.2	21.5	0.68	QRE-02A	PX-85Z
		3	GES405M2ME2.2	2.2	0.05	35.5	0.2	27	0.62	QRE-02A	PX-85Z
50	40	4	GES505M2ME1.5	1.5	0.1	22	0.32	17	0.75	QRE-04D	PX-85Z
		5	GES505M2ME2.2	2.2	0.1	30	0.32	19.5	0.67	QRE-04D	PX-85Z
		6	GES505M2ME3.7	3.7	0.1	44	0.32	36	0.54	QRE-04D	PX-95Z
		7	GES505M2ME5.5	5.5	0.1	55	0.32	47.5	0.42	QRE-04D	PX-95Z
65	50	8	GES655M2ME3.7	3.7	0.2	30.5	0.63	22	0.68	QRE-04D	PX-95Z
		9	GES655M2ME5.5	5.5	0.2	40.5	0.63	31	0.58	QRE-04D	PX-95Z
		10	GES655M2ME7.5	7.5	0.2	50	0.63	41.5	0.48	QRE-05D	PX-95Z

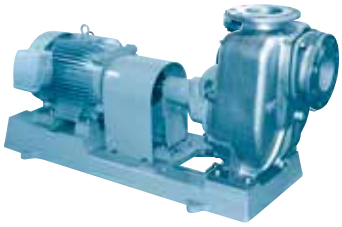
60Hz

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	GES- 2M/SI/603 E Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GES406M2ME1.5	1.5	0.06	28	0.25	20.5	0.69	QRE-02A	PX-75Z
		2	GES406M2ME2.2	2.2	0.06	36	0.25	25	0.61	QRE-02A	PX-85Z
		3	GES406M2ME3.7	3.7	0.06	52.5	0.25	39.5	0.44	QRE-02A	PX-85Z
50	40	4	GES506M2ME2.2	2.2	0.12	28	0.4	20	0.69	QRE-04D	PX-85Z
		5	GES506M2ME3.7	3.7	0.12	43.5	0.4	26.5	0.54	QRE-04D	PX-95Z
		6	GES506M2ME5.5	5.5	0.12	57.5	0.4	44	0.40	QRE-04D	PX-95Z
		7	GES506M2ME7.5	7.5	0.12	65	0.4	52	0.31	QRE-04D	PX-95Z
65	50	8	GES656M2ME5.5	5.5	0.25	40	0.8	25	0.58	QRE-04D	PX-95Z
		9	GES656M2ME7.5	7.5	0.25	49	0.8	33	0.49	QRE-04D	PX-95Z

Series products
(For special kind liquid applications · · · Consult to us or distributors in detail.)



2 pole stainless steel centrifugal pump



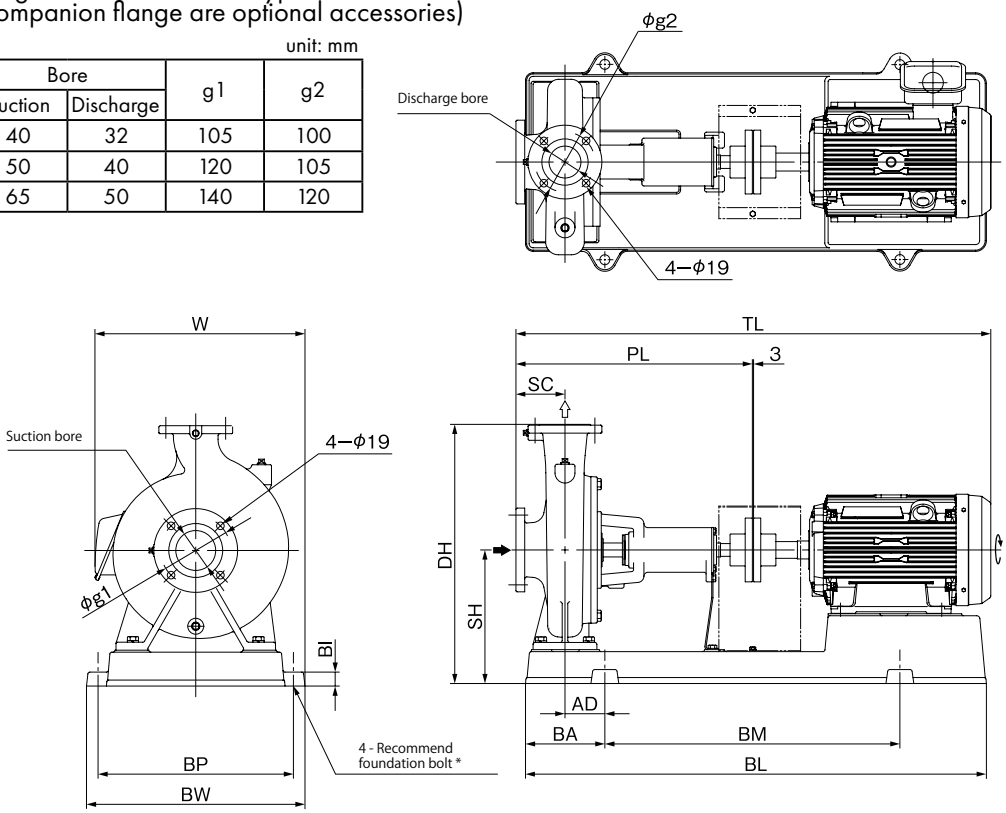
2 pole stainless steel self-priming centrifugal pump

Outline dimension table Inquire specification sheets and drawings in case of actual work planing

Flange: JIS 10K standard type
(Companion flange are optional accessories)

unit: mm

Bore		g1	g2
Suction	Discharge		
40	32	105	100
50	40	120	105
65	50	140	120



* Foundation bolts are optional accessories. If you need them, please buy yourself.
· Recommend foundation bolt size: M16 x 200, but GES405M2ME0.75: M12 x 160

GES-2M/HD/001 E

50Hz

unit: mm GES-C/Hd/501 E

Suction bore	Discharge bore	Model	Motor	Pump		Base						Combinations					Mass
mm	mm		kW	SC	PL	Bl	BL	BA	BM	BP	BW	DH	SH	TL	AD	W	kg
40	32	GES405M2ME0.75	0.75	65	265	20	468	82	300	230	266	317	177	530	35	278	39
		GES405M2ME1.5	1.5	80	360	25	648	112	420	290	336	347	187	675	50	–	54
		GES405M2ME2.2	2.2	80	360	25	648	112	420	290	336	347	187	675	50	–	57
50	40	GES505M2ME1.5	1.5	80	440	25	726	127	480	290	336	307	167	755	60	–	60
		GES505M2ME2.2	2.2	80	440	25	722	120	480	290	336	347	187	755	55	–	64
		GES505M2ME3.7	3.7	80	440	25	818	138	540	320	366	357	197	*830	70	–	90
		GES505M2ME5.5	5.5	80	440	25	819	138	540	350	396	405	225	894	70	–	119
65	50	GES655M2ME3.7	3.7	80	440	25	818	138	540	320	366	357	197	*830	70	–	91
		GES655M2ME5.5	5.5	100	460	25	819	138	540	350	396	405	225	914	70	–	124
		GES655M2ME7.5	7.5	100	460	25	819	138	540	350	396	405	225	914	70	–	126

* The dimension on the table is not the edge of the motor, but the edge of the base.
Note) In case W ≤ BW, W is omitted.

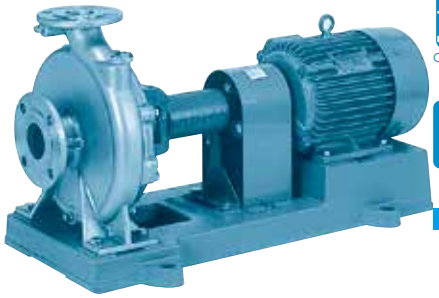
60Hz

unit: mm GES-C/Hd/601 E

Suction bore	Discharge bore	Model	Motor	Pump		Base						Combinations					Mass
mm	mm		kW	SC	PL	Bl	BL	BA	BM	BP	BW	DH	SH	TL	AD	W	kg
40	32	GES406M2ME1.5	1.5	65	265	20	516	92	330	230	266	307	167	580	45	291	43
		GES406M2ME2.2	2.2	80	360	25	648	112	420	290	336	347	187	675	50	–	57
		GES406M2ME3.7	3.7	80	360	25	648	112	420	290	336	357	197	744	50	348	80
50	40	GES506M2ME2.2	2.2	80	440	25	726	127	480	290	336	307	167	755	60	–	60
		GES506M2ME3.7	3.7	80	440	25	818	138	540	320	366	357	197	*830	70	–	91
		GES506M2ME5.5	5.5	80	440	25	816	138	540	350	396	357	197	894	70	–	108
		GES506M2ME7.5	7.5	80	440	25	819	138	540	350	396	405	225	894	70	–	121
65	50	GES656M2ME5.5	5.5	80	440	25	816	138	540	350	396	357	197	894	70	–	111
		GES656M2ME7.5	7.5	80	440	25	816	138	540	350	396	357	197	894	70	–	113

* The dimension on the table is not the edge of the motor, but the edge of the base.
Note) In case W ≤ BW, W is omitted.

GES-4M Type Stainless steel centrifugal pump 4 pole



- Inquire sea water and other special liquid applications
- Inquire anti-freezer application

Application

Features

- The wetting part is clean due to whole stainless steel
- Adopting long life mechanical seal for the shaft sealing, so less water leak and easy maintenance.
- Easy maintenance and inspection due to Back Pull Out structure
- Long life and strong against dust and humidity because TEFC outdoor motor is standard adoption
- High efficiency and high total head pump design by using precision cast stainless steel material
- Evaluated item of <Horizontal centrifugal pump> by (C) Public Buildings Association., Ltd.

Standard specifications

- Liquid: Clean water 0~90°C (No freezing) (The maximum temperature: 100°C Please inquire.)
- Materials: Impeller SCS14; Shaft SUS316 (Wetted part); Casing SCS13
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC indoor. Three phase
- Flange: JIS 10K Standard type

Standard accessories

Motor, Base, Coupling, Coupling cover

Maximum back pressure

··· Refer to the specification table

(1 - The shut-off pressure) MPa

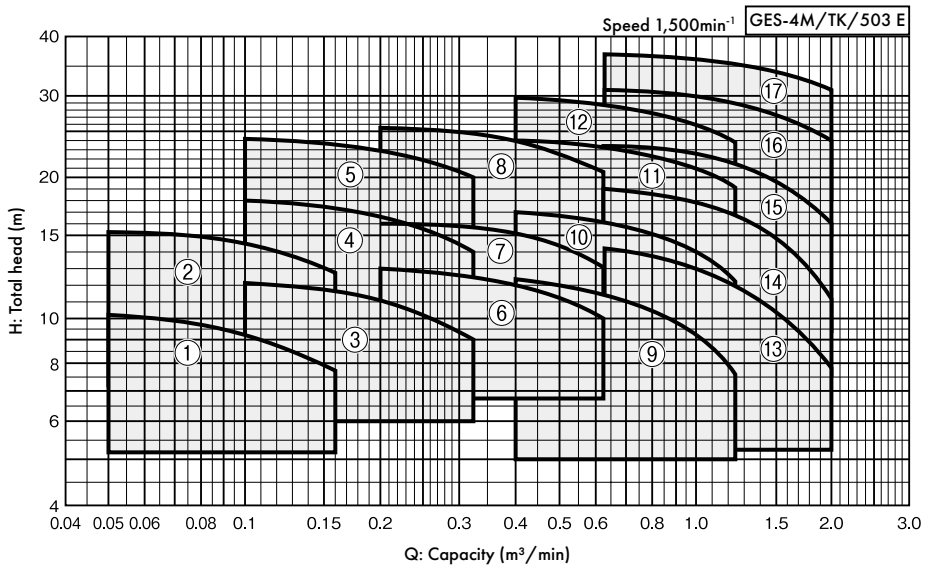
Maximum suction total head (20°C)

-6m

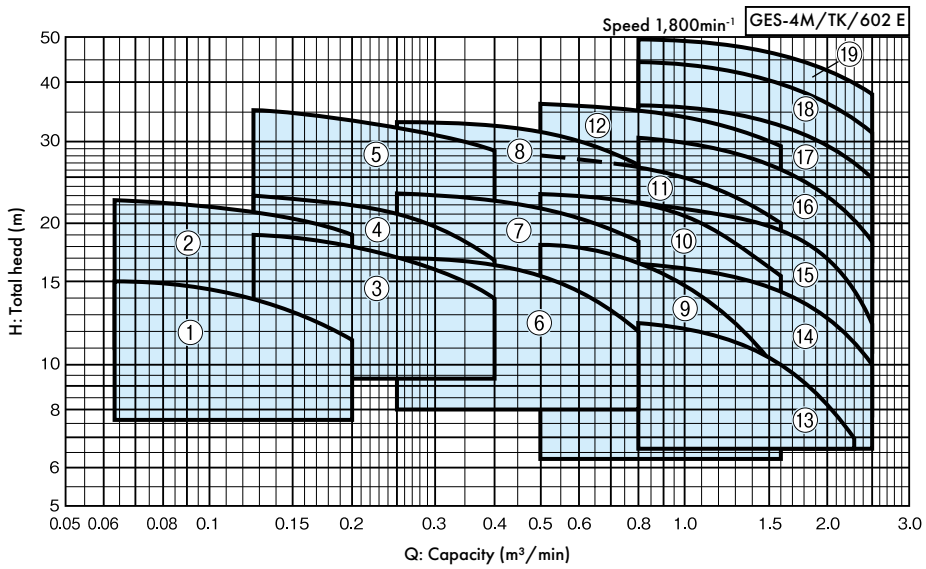
Note) If the value obtained by subtracting 3 m from the total head is less than the value above, the value obtained by subtracting 3 m from the total head will be the maximum suction total head.

Selection chart

50Hz



60Hz



Specification table

50Hz

GES- 2M/SI/603 E

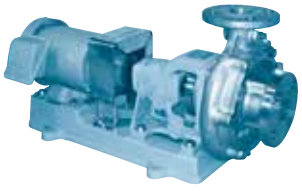
Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GES-405M-4M0.4	0.4	0.05	10.2	0.16	7.8	0.88	QRE-02A	PX-85Z
		2	GES405M4ME0.75	0.75	0.05	15.2	0.16	12.8	0.83	QRE-04D	PX-85Z
50	40	3	GES505M4ME0.75	0.75	0.1	12.2	0.32	9	0.85	QRE-04D	PX-85Z
		4	GES505M4ME1.5	1.5	0.1	18	0.32	14	0.80	QRE-04D	PX-110Z
		5	GES505M4ME2.2	2.2	0.1	24.2	0.32	20	0.74	QRE-04D	PX-110Z
65	50	6	GES655M4ME1.5	1.5	0.2	13	0.63	10	0.85	QRE-04D	PX-85Z
		7	GES655M4ME2.2	2.2	0.2	16	0.63	13.2	0.82	QRE-04D	PX-85Z
		8	GES655M4ME3.7	3.7	0.2	25.5	0.63	20.8	0.72	QRE-04D	PX-110Z
80	65	9	GES805M4ME2.2	2.2	0.4	12.5	1.25	7.5	0.85	QRE-04D	PX-110Z
		10	GES805M4ME3.7	3.7	0.4	17	1.25	12.2	0.80	QRE-04D	PX-110Z
		11	GES805M4ME5.5	5.5	0.4	24	1.25	19.2	0.74	QRE-05D	PX-120Z
		12	GES805M4ME7.5	7.5	0.4	29.5	1.25	23.5	0.68	QRE-07F	PX-120Z
100	80	13	GES1005M4ME3.7	3.7	0.63	14.2	2.0	7.8	0.83	QRE-04D	PX-120Z
		14	GES1005M4ME5.5	5.5	0.63	19	2.0	11.2	0.79	QRE-07F	PX-120Z
		15	GES1005M4ME7.5	7.5	0.63	23.5	2.0	16	0.74	QRE-07F	PX-120Z
		16	GES1005M4ME11	11	0.63	31	2.0	24	0.68	QRE-08F	PX-130Z
		17	GES1005M4ME15	15	0.63	37	2.0	31	0.61	QRE-08F	PX-130Z

60Hz

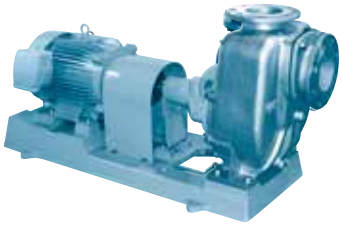
GES-4M/SI/604 E

Suction bore	Discharge bore	Ref.	Model	Motor	Standard specifications				Maximum back pressure	Vibration isolator application table	
					Capacity	Total head	Capacity	Total head			
mm	mm			kW	m³/min	m	m³/min	m	MPa		
40	32	1	GES406M4ME0.75	0.75	0.063	15	0.2	11.5	0.83	QRE-04D	PX-85Z
		2	GES406M4ME1.5	1.5	0.063	22.5	0.2	19	0.75	QRE-04D	PX-85Z
50	40	3	GES506M4ME1.5	1.5	0.125	19	0.4	14	0.78	QRE-04D	PX-85Z
		4	GES506M4ME2.2	2.2	0.125	23	0.4	17	0.74	QRE-04D	PX-110Z
		5	GES506M4ME3.7	3.7	0.125	35.5	0.4	28.5	0.62	QRE-04D	PX-110Z
65	50	6	GES656M4ME2.2	2.2	0.25	17.2	0.8	12	0.80	QRE-04D	PX-85Z
		7	GES656M4ME3.7	3.7	0.25	23.2	0.8	18.5	0.75	QRE-04D	PX-95Z
		8	GES656M4ME5.5	5.5	0.25	33.5	0.8	26.5	0.65	QRE-04D	PX-110Z
80	65	9	GES806M4ME3.7	3.7	0.5	18.2	1.6	9.5	0.79	QRE-04D	PX-110Z
		10	GES806M4ME5.5	5.5	0.5	23.2	1.6	15.2	0.75	QRE-04D	PX-110Z
		11	GES806M4ME7.5	7.5	0.5	28	1.6	20	0.70	QRE-07F	PX-120Z
		12	GES806M4ME11	11	0.5	36.5	1.6	28.5	0.62	QRE-07F	PX-130Z
100	80	13	GES1006M4ME3.7	3.7	0.8	12.5	2.3	7	0.85	QRE-04D	PX-110Z
		14	GES1006M4ME5.5	5.5	0.8	16.5	2.5	10	0.81	QRE-04D	PX-110Z
		15	GES1006M4ME7.5	7.5	0.8	22.2	2.5	12.5	0.75	QRE-07F	PX-120Z
		16	GES1006M4ME11	11	0.8	30.5	2.5	18.5	0.68	QRE-08F	PX-130Z
		17	GES1006M4ME15	15	0.8	36	2.5	25	0.62	QRE-08F	PX-130Z
		18	GES1006M4ME18	18.5	0.8	44.5	2.5	32	0.54	QRE-09F	PX-130Z
		19	GES1006M4ME22	22	0.8	49.5	2.5	38	0.50	QRE-09F	PX-130ZST

Series products
(For special kind liquid applications · · · Consult to us or distributors in detail.)



4 pole stainless steel centrifugal pump



4 pole stainless steel self-priming centrifugal pump

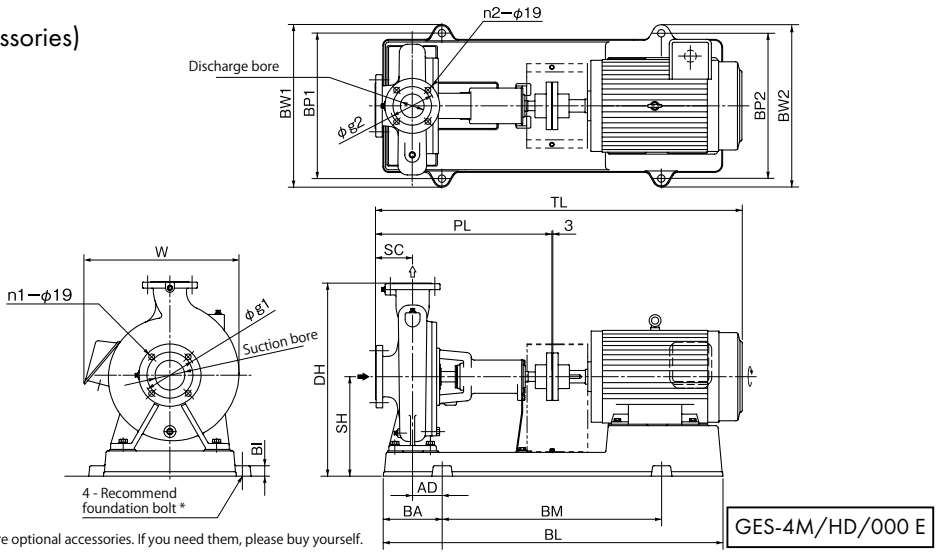
GES-4M Type

Outline dimension table
Inquire specification sheets and drawings in case of actual work planing

Flange: JIS 10K standard type
(Companion flange are optional accessories)

unit: mm

Bore		g1	g2	n1	n2
Suction	Discharge				
40	32	105	100	4	4
50	40	120	105	4	4
65	50	140	120	4	4
80	65	150	140	8	4
100	80	175	150	8	8



GES-4M/HD/000 E

* Foundation bolts are optional accessories. If you need them, please buy yourself.

Specification table

50Hz

unit: mm GES-4M/Hd/501 E

Suction bore	Discharge bore	Model	Motor	Pump		Base								Combinations					Mass
mm	mm		kW	SC	PL	BI	BL	BA	BM	BP1	BP2	BW1	BW2	DH	SH	TL	AD	W	kg
40	32	GES-405M-4M0.4	0.4	80	440	25	654	112	420	290	230	336	276	395	215	679	45	–	53
		GES405M4ME0.75	0.75	80	440	25	733	122	480	290	290	336	336	395	215	*746	55	–	67
50	40	GES505M4ME0.75	0.75	100	460	25	733	122	480	320	320	366	366	395	215	*766	55	–	69
		GES505M4ME1.5	1.5	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	–	83
		GES505M4ME2.2	2.2	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	–	94
65	50	GES655M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	415	215	778	55	–	74
		GES655M4ME2.2	2.2	100	460	25	731	122	480	320	320	366	366	425	225	820	55	–	88
		GES655M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	–	109
80	65	GES805M4ME2.2	2.2	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	–	97
		GES805M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	–	102
		GES805M4ME5.5	5.5	100	570	35	923	158	600	440	350	498	408	515	265	1001	60	–	146
		GES805M4ME7.5	7.5	125	595	35	1029	180	660	490	350	548	408	590	310	1064	80	–	184
100	80	GES1005M4ME3.7	3.7	125	595	35	921	158	600	440	350	498	408	495	245	970	75	–	129
		GES1005M4ME5.5	5.5	125	595	35	1029	180	660	490	350	548	408	590	310	*1054	80	–	173
		GES1005M4ME7.5	7.5	125	595	35	1029	180	660	490	350	548	408	590	310	1064	80	–	182
		GES1005M4ME11	11	125	595	35	1146	199	740	490	400	548	458	650	335	*1172	100	–	242
		GES1005M4ME15	15	125	595	35	1146	199	740	490	400	548	458	650	335	1193	100	–	265

60Hz

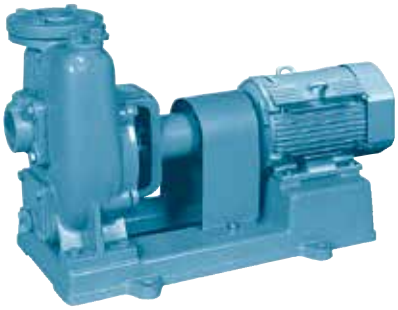
unit: mm GES-4M/Hd/601 E

Suction bore	Discharge bore	Model	Motor	Pump		Base								Combinations					Mass
mm	mm		kW	SC	PL	BI	BL	BA	BM	BP1	BP2	BW1	BW2	DH	SH	TL	AD	W	kg
40	32	GES406M4ME0.75	0.75	80	440	25	733	122	480	290	290	336	336	395	215	*746	55	–	66
		GES406M4ME1.5	1.5	80	440	25	734	123	480	290	290	336	336	405	225	758	55	–	69
50	40	GES506M4ME1.5	1.5	100	460	25	731	122	480	320	320	366	366	395	215	778	55	–	72
		GES506M4ME2.2	2.2	100	460	35	825	138	540	400	290	458	348	470	245	*842	55	–	93
		GES506M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	–	104
65	50	GES656M4ME2.2	2.2	100	460	25	731	122	480	320	320	366	366	425	225	820	55	–	87
		GES656M4ME3.7	3.7	100	460	25	821	138	540	320	320	366	366	425	225	*853	70	–	95
		GES656M4ME5.5	5.5	100	460	35	825	140	540	400	320	458	378	490	265	891	55	–	130
80	65	GES806M4ME3.7	3.7	100	460	35	823	138	540	400	320	458	378	470	245	*840	55	–	102
		GES806M4ME5.5	5.5	100	460	35	825	140	540	400	320	458	378	490	265	891	55	–	126
		GES806M4ME7.5	7.5	100	570	35	1026	179	660	440	350	498	408	535	285	1039	80	–	162
		GES806M4ME11	11	100	570	35	1140	199	740	440	440	498	498	535	285	*1141	100	518	194
100	80	GES1006M4ME3.7	3.7	125	485	35	823	138	540	400	320	458	378	470	245	*865	55	–	111
		GES1006M4ME5.5	5.5	125	485	35	825	140	540	400	320	458	378	490	265	916	55	–	126
		GES1006M4ME7.5	7.5	125	595	35	1021	178	660	440	350	498	408	495	245	1064	95	–	153
		GES1006M4ME11	11	125	595	35	1146	199	740	490	400	548	458	590	310	*1172	100	–	216
		GES1006M4ME15	15	125	595	35	1146	199	740	490	400	548	458	590	310	1193	100	–	239
		GES1006M4ME18	18.5	125	595	35	1186	199	740	490	490	548	548	650	335	1263	100	564	343
		GES1006M4ME22	22	125	595	35	1186	199	740	490	490	548	548	650	335	1263	100	564	368

* The dimension on the table is not the edge of the motor, but the edge of the base.

Note) In case W ≤ BW, W is omitted.

FS(4) Type Self-priming centrifugal pump 4 pole



V belt pulley models are also available

Application

Features

- All models are self-priming type, so the foot valve is not necessary, and the sucking up operation is easy.
- High pump performance due to simple structure
- Easy maintenance and inspection due to Back Pull Out structure
- Adopting sealed ball bearing for shaft bearing which is not necessary for feeding oil

Standard accessories

Motor, Base, Companion flange, coupling, Coupling cover, strainer

Standard specifications

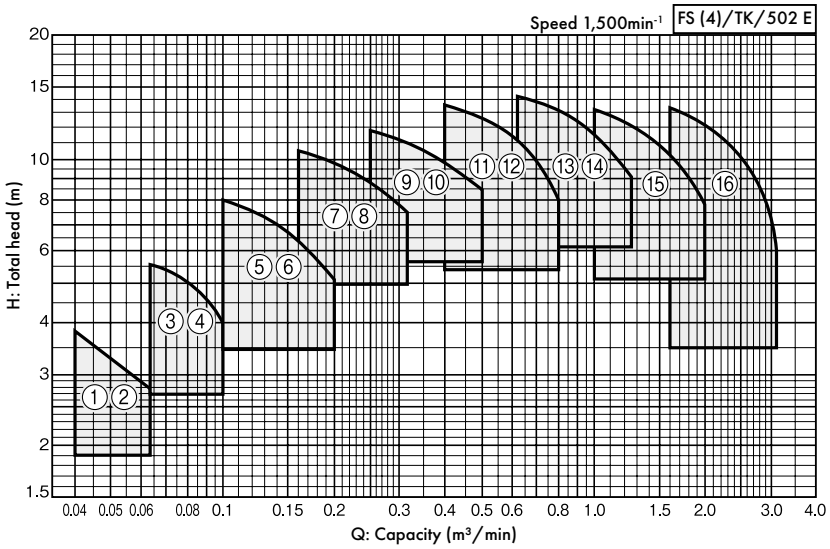
- Liquid: Clean water 0~40°C (No freezing)
- Materials: Impeller: Cast iron; Shaft: SUS403; Casing: Cast iron
- Shaft sealing: Mechanical seal or Gland packing
- Motor: TEFC indoor, ODP (Single phase 0.2, 0.4kW)

Maximum suction total head (20°C)

Suction bore (mm)	50Hz	60Hz
25	-3	-3
32	-3.5	-5
40	-5.5	-6
50 · 65	-5.5	
80 ~ 150	-6	

Specification table

50Hz

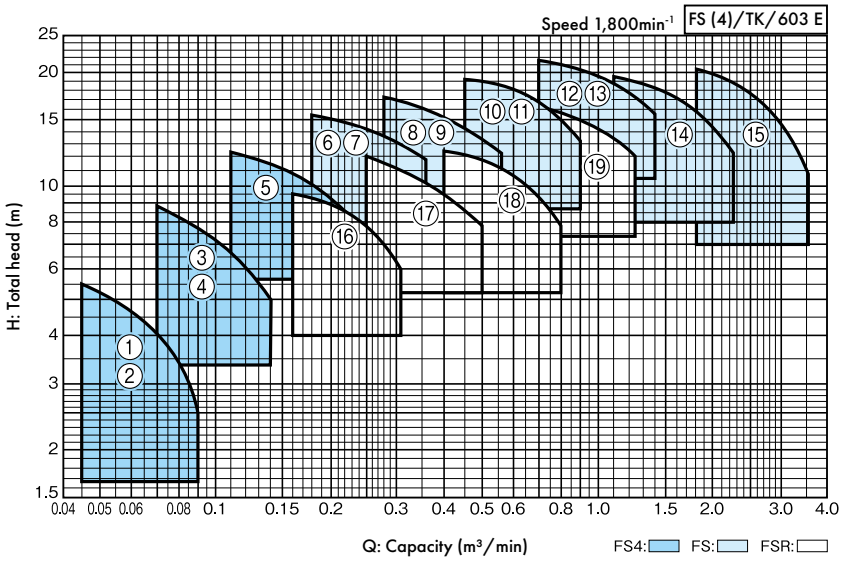


Bore mm	Ref.	FS(4)/SI/501 E Model	Motor kW
25	1	FS4-25-M0.2S *1	0.21
	2	FS4-25-MN0.2T	0.21
32	3	FS4-325-M0.2S *1	0.21
	4	FS4-325-MN0.2T	0.21
40	5	FS4-405-M0.4S *1	0.4
	6	FS4-405-MN0.4T	0.4
50	7	FS505G4ME0.75	0.75
	8	FS505M4ME0.75 *2	0.75
	9	FS655G4ME1.5	1.5
	10	FS655M4ME1.5 *2	1.5
	11	FS805G4ME2.2	2.2
	12	FS805M4ME2.2 *2	2.2
100	13	FS1005G4ME3.7	3.7
	14	FS1005M4ME3.7 *2	3.7
125	15	FS1255G4ME5.5	5.5
150	16	FS1505G4ME7.5	7.5

*1 Single phase 100V.
*2 Mechanical seal model

Please inquire bore size 200mm model.

60Hz

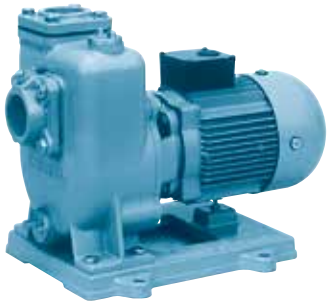


Bore mm	Ref.	FS(4)/SI/601 E Model	Motor kW
25	1	FS4-25-M0.2S *1	0.21
	2	FS4-25-MN0.2T	0.21
32	3	FS4-326-M0.4S *1	0.4
	4	FS4-326-MN0.4T	0.4
40	5	FS4-406-4ME0.75	0.75
50	6	FS506G4ME1.5	1.5
	7	FS506M4ME1.5 *2	1.5
65	8	FS656G4ME2.2	2.2
	9	FS656M4ME2.2 *2	2.2
80	10	FS806G4ME3.7	3.7
	11	FS806M4ME3.7 *2	3.7
100	12	FS1006G4ME5.5	5.5
	13	FS1006M4ME5.5 *2	5.5
125	14	FS1256G4ME7.5	7.5
150	15	FS1506G4ME11	11

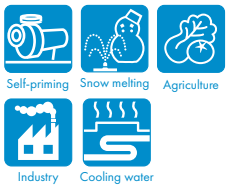
*1 Single phase 100V.
*2 Mechanical seal model

Please inquire bore size 200mm model.

GSO$^{2}_{3}$ Type Self-priming centrifugal pump 2 pole



Application



Features

- Excellent self-priming performance, sucking up from deep well (Max.-9m) is available
- Strong and durable construction against sand by adopting special kind mechanical seal and structure
- Excellent pump performance make it possible to pump up much water from draw down well
- Back Pull Out structure
- The impeller structure is semi-open type, so the type is strong for foreign object such as sand, and also easy inspection and maintenance
- Long life and strong against duct and humidity because TEFC motor is standard adoption

Standard accessories

Motor, Base, Companion flange, Motor protection switch, Power cable (Single phase models only)

Standard specifications

- Liquid: Clean water · River water 0~40°C (No freezing)
- Materials: Impeller: Bronze or SCS13; Bore size 50mm or less: Resin (Impeller hub: Bronze); Shaft: SUS304 (Wetted part); Casing: Cast iron
- Shaft sealing: Mechanical seal (SiC x Carbon)
- Motor: TEFC outdoor

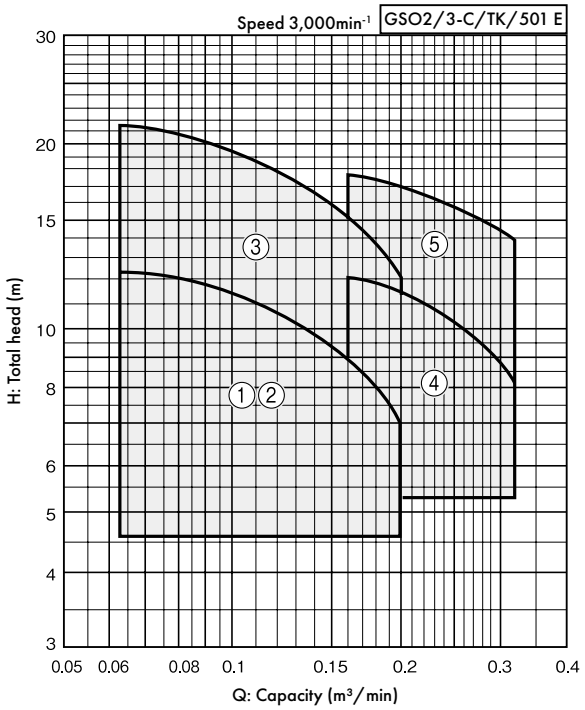
Maximum suction total head (20°C)

Output (kW)	Total suction head
0.4	-8.5m (Maximum -9m)
0.75, 1.5	-8m (Maximum -9m, Bore size 50mm model maximum -8.4m)

In case the model operate the maximum suction head, please pay attention that the model is not satisfy the standard specifications.

Specification table

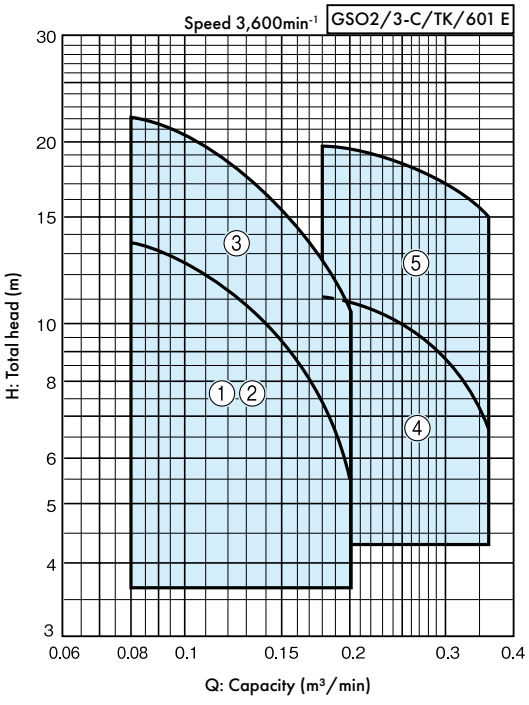
50Hz



Bore mm	Ref.	GS2/3/SI/501 E Model	Motor kW
40	1	GSO3-405-C0.4S *	0.4
	2	GSO3-405-C0.4T	0.4
	3	GSO2-405CE0.75	0.75
50	4	GSO2-505CE0.75	0.75
	5	GSO2-505CE1.5	1.5

* Single phase 100V.

60Hz



Bore mm	Ref.	GS2/3/SI/601 E Model	Motor kW
40	1	GSO3-406-C0.4S *	0.4
	2	GSO3-406-C0.4T	0.4
	3	GSO2-406CE0.75	0.75
50	4	GSO2-506CE0.75	0.75
	5	GSO2-506CE1.5	1.5

* Single phase 100V.

Sluice Valve / Check Valve

Sluice valve (Inner screw type)

- Valve set including a sluice valve, a check valve, packing , bolts, nuts, and attached adapters is also available
- Nylon coating are also available

Bore: 40 ~ 200mm

Swing check valve (with by pass)

Bore: 40 ~ 200mm

Shock-less valve (impact relief check valve)

- Less friction loss, protect pump and pipe from water hammer
- Nylon coating are also available

Bore: 40 ~ 150mm

Foot Valve / Suction Unit

VF·VF2 foot valve with lever

(With 3m stainless steel wire)

- VF2: Rust free resin material

VF2 type
Bore: 32 ~ 80mm

VF type
Bore: 40 ~ 80mm
VFF type (Flange type) is also available.

Stainless steel foot valve

- Using SCS13 for main parts, hard and long life.

VFST2 type
Bore: 40 ~ 100mm
Screwed type

VFSF2 type
Bore: 50 ~ 250mm
Flange type

Suction unit

- Useful for maintenance and inspection of foot valve and suction pipe
- Lever of foot valve is easy able to move from the ground
- Foot valve and suction pipe is able to lift up from the ground (not necessary to enter in the water tank)

Bore: 40 ~ 250mm
SSF-S type: Stainless steel type is also available.

Vibration Isolator

Application

- Prevent pump from vibration and resonance

Features

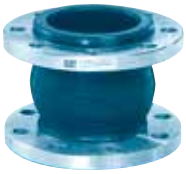
- Various type of vibration proof bed are available, enabling you to select one to meet your needs in view of the surrounding environment
- Installation is easy because not necessary particular foundation and installation work at the site
- Can treat working load after pump operation, management for maintenance and control can be saved

QRE type

PX type

Vibration Proof Joint · Pipe Silencer

Vibration proof joint (Rubber ball type)



- Can not be used for hot water supply and water circulation for pool water

Pipe silencer

- Absorb pressure pulse and vibration from pump Can directly connect with pump same as vibration proof joint
- Can directly connect with pump same as vibration proof joint
- Nylon coating flange type for preventing red discolorment water is also available
- Both installation available suction side and discharge side
- Can not be used for hot water supply and water circulation for pool water

Vibration Isolator

Application

Prevent pump from broken by freezing

Features

- Accurate working by adopting special thermostat
- Be able to check heater wire is cut together with working of control panel

● Heater of pump (With 3m code)

Thermostat is included as standard for Heater

● Heater control panel (indoor installation)

Combination use with Heater (Thermostat built in)

Model	Rated Capacity (W)	Rated voltage (V)	Display	Alarm terminal
ECH3-0.4T	50 ~ 440 100V: 50 ~ 220	AC200	Power source, Power on, Wire out	No voltage
ECH4-0.4		AC100/200	–	–

⚠ Important Safety Precautions

Always read the manual thoroughly and fully comprehend the contents for safe operation before starting use. Precautions for using products safely and for preventing personal injuries or physical damage are given in the manual.

* We bear no responsibility when the above listed precautions are not observed.

- Matters falling under the following may not be covered by the warranty: uses out of the specified scope of application, failure to comply with precautions, improper repairs and modifications, matters arising from natural disasters, matters arising from the installation environment (improper power source, foreign objects, sand, etc.), non-compliance with laws and regulations or standards pertaining thereto, accidental or intentional failure or damage, replacement of consumable parts, defects due to resale, etc.
- Always use this pump within the specified product specifications. Failure to do so could result in electric shock, fire, water leakage, etc.
- Apply repair coating at an institute which supports your operating environment. Depending on the operating environment, rust may form on screw parts, processed parts with anti-rust coating, anti-rust coated parts etc. due to high humidity, condensation, getting wet etc., which may lead to unexpected damage.
- Close attention is needed in the case of circulation uses where rusting and corrosion/elution of metals are not permissible. Take into account both the pump and the rest of the equipment when considering and selecting. Unexpected damage may arise from condensation of circulating water.
- Select a product which is appropriate for your application. Inappropriate use of products may cause accidents.
- When using this pump for living things (fishery, fish tank, aquarium, etc.) or important equipment, always prepare a spare unit. If the pump fails, an oxygen deficiency or degradation of water quality, etc., could occur and affect the creature's life.
- If used to transport food-related items, give due consideration to the materials used. Contamination by foreign objects may occur.
- Avoid using this product with living things that are susceptible to copper alloys. The life of the creature could be affected.
- Do not connect the pump to water supply pipes directly Depending on the country It may be prohibited under the Water Supply Act. Also, water back-flow may contaminate tap water.
- Carry out installation in accordance with applicable legal requirements (electrical equipment guideline, interior wiring regulations, building codes, etc.). Failure to observe this may not only violate legal requirements, but could also result in fire or electric shock, or injury caused by falls or topples.
- Observe the service life of the pump, install it in a well ventilated place free from corrosive or explosive gases, salt, moisture, water vapor, condensation etc., and avoid exposing it to wind, rain and direct sunlight. In a harsh environment, electric leakage, electric shock or fire may result from deterioration of insulation in the motor or control panel, etc.
- Do not install in places with no drainage or places which have not been waterproofed. Water leaks may cause serious damage.
- We bear no responsibility for any damage arising from lack of drainage or waterproofing.
- Depending on the equipment, attach a filter etc. appropriate for your application on the discharge side before use, perform thorough flushing and check that there is no contamination. Cutting oil, rubber mold releasing agent, foreign objects etc. from the manufacturing line and cutting oil, foreign objects etc. from the pipeline may contaminate the liquid which is to be handled.
- Do not operate pumps with a specification of 50 Hz at 60 Hz. Damage may arise as a result of excess pressure or burnout of the motor etc. due to overload. Do not operate pumps with a specification of 60Hz at 50Hz. Pump performance may be reduced.
- Do not put the flammable items on the pump surroundings or inside the pump cover or control panel, or cover the pump, cable or control panel with the flammable items. Failure to observe this could overheat and result in burning.
- The Pump should never be disassembled, repaired, or modified, or the power cable should never be replaced by anyone other than a qualified repair technician. Improper repairs could result in electric shocks, fires, faults or break.
- It is recommended that both periodic and daily inspections be performed in order to ensure that the pump will operate reliably for as long as possible. Failure to perform inspections may lead to pump failure, accidents etc. For periodic inspections, please consult your distributor or our nearest sales offices.

Distributor

Kawamoto Pump MFG., LTD.

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E-mail: kawamotobo@kawamoto-oms.com
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Name	Centrifugal pump series
No.	5321 Y E