

Bringing valuable “water” to you

KAWAMOTO PUMP

Centrifugal Pump Series

JAPAN Quality
Meet the various
applications
Environment-friendly

Standard End Suction

In Line

Stainless Steel

Self-Priming

Sealless Magnet Coupling



Standard End Suction



Stainless Steel

Self-Priming



In Line



Sealless Magnet Coupling



KAWAMOTO
CENTRIFUGAL
PUMP SERIES

Kawamoto

High quality·high reliability kawamoto pump series can satisfy various appli

List of models

This catalogue put typical ground type centrifugal pumps.

Please refer to our distributors or us about pumps without any descrption in this catalogue.

Standard end suctuin centrifugal pump

P.3-18

GE-C 2 pole compact centrifugal pump

TEFC motor



P.3

GE(N)- $\frac{2}{4}$ M JIS standard 2 pole·4 pole centrifugal pump



P.5

P.9



P.8

P.12

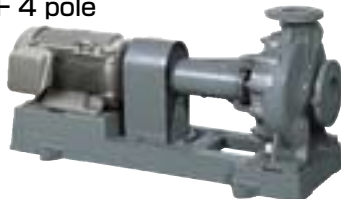
GF·GD·GDF high back pressure centrifugal pump

GF 4 pole



P.13

GD 2 pole/4 pole
GDF 4 pole



P.14

F 4 pole centrifugal pump



P.16

GN-C 2 pole nylon coating compact centrifugal pump



P.18

Circulation in line pump

P.19-20

PE(2)

TEFC motor



PE

P.19

PSS(2)

TEFC motor

Stainless steel



P.21

centrifugal pump applications

**High
efficiency**

**Easy
inspection &
maintenance**

**Wide
variety of
models**

Back pull out
construction

Stainless steel precision casting P.24-26

GES-C 2 pole compact

TEFC motor



P.24

GRM

Sealless magnet coupling

TEFC motor



P.25

GES-4M 4 pole



P.26

Self priming P.28-29

FS 4 pole self priming

Agriculture



P.28

GSO(3)-C

2 pole self priming

TEFC motor*



GSO-50-C

P.29

*Open drip proof motor with outdoor motor cover for 0.75kW model

Optional Accessories

P.30

Valve

Nylon coating models are available



Sluice valve



Check valve

Foot valve

resin material

Stainless steel materials models are available



Suction unit



Vibration proof bed



Vibration proof joint



Pipe silencer



Pump heater



P.30

GE-C Compact centrifugal pump 2 pole



Applications

- Cooling water supply
- Agriculture
- Industry
- Other general water supply (Please inquire in case drinking water application)

Features

- Compact and light weight
- Easy maintenance and inspection due to back pull out construction
- Long life mechanical seal is adopted for shaft sealing
- Evaluated item of [horizontal centrifugal pump] by (C) Public Buildings Association., Ltd.

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller FC or CAC406(BC6)
Shaft SUS304, Casing FC
- Construction Impeller : Close
Shaft sealing : Mechanical seal (Ceramic x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Motor TEFC outdoor
- Flange JIS 10K

Maximum back pressure

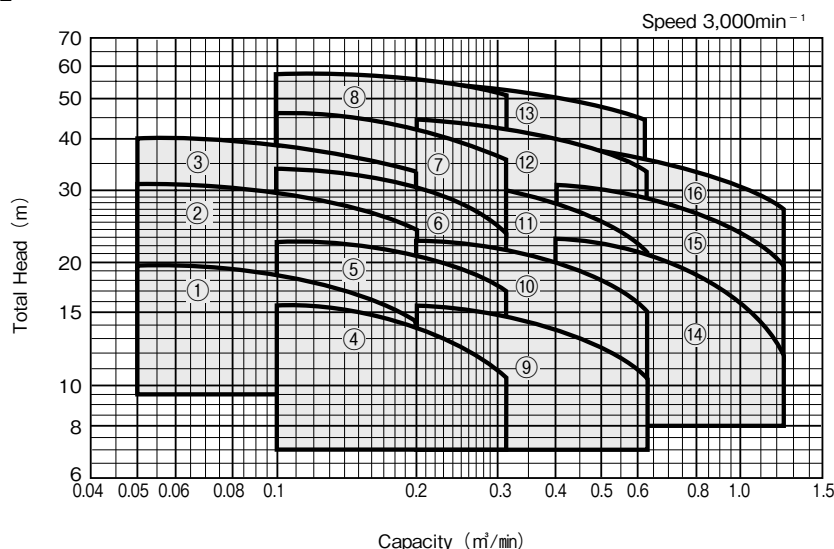
$$\left(0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa}$$

$$\left\{10 - \frac{\text{Total head at zero flow (m)}}{10}\right\} \text{ kgf/cm}^2$$

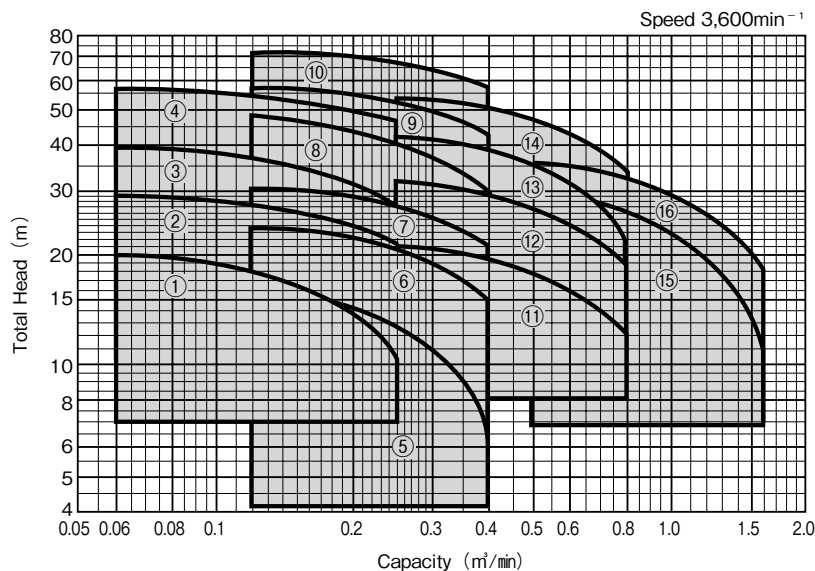
Maximum suction head (20°C)

— 6m (— 3.2m : GEH-506-C0.75)

Selection chart 50Hz

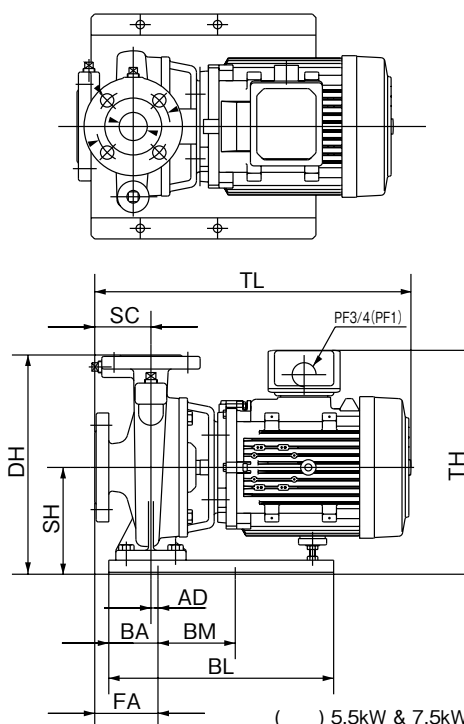
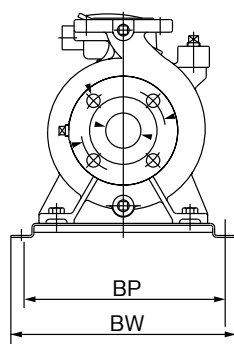
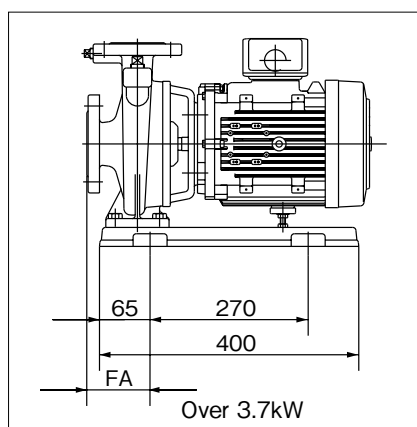


Selection chart 60Hz



■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Flange : JIS 10K thick type (Companion flanges are optional accessories)



() 5.5kW & 7.5kW

Hz	Suction Bore	Discharge Bore	No.	Model	Motor	Performance				Maximum Back pressure	Dimensions							Base					Weight
	mm	mm				Capacity	Head	Capacity	Head		SC	TL	DH	SH	AD	FA	TH	BL	BA	BM	BP	BW	
						m ³ /min	m	m ³ /min	m														
50	40	32	1	GEI-405-C0.75	0.75	0.05	19.8	0.2	14.5	0.77 [7.9]	65	414	272	132	22	87	275	320	60	130	230	260	24
			2	GEJ-405-C1.5	1.5	0.05	31	0.2	24	0.62 [6.3]	80	452	312	152	0	80	—	320	60	130	290	320	35
			3	GEJ-405-C2.2	2.2	0.05	40	0.2	33.5	0.58 [5.9]	80	445	312	152	0	80	319	320	60	130	290	320	40
	50	40	4	GEH-505-C0.75	0.75	0.1	15.8	0.32	10.5	0.81 [8.3]	65	414	272	132	22	87	275	320	60	130	230	260	26
			5	GEI-505-C1.5	1.5	0.1	22.5	0.32	17	0.75 [7.6]	80	457	272	132	0	80	287	320	60	130	230	260	36
			6	GEJ-505B-C2.2	2.2	0.1	34.5	0.32	24	0.63 [6.4]	80	450	312	152	0	80	319	320	60	130	290	320	41
			7	GEJ-505B-C3.7	3.7	0.1	45.5	0.32	36.5	0.53 [5.4]	80	490	327	167	5	85	334	400	65	270	290	324	50
			8	GEK-505-C5.5	5.5	0.1	58	0.32	51	0.39 [4.0]	80	555	375	195	5	85	389	400	65	270	290	324	72
	65	50	9	GEH-655-C1.5	1.5	0.2	15.8	0.63	10.5	0.81 [8.3]	80	452	272	132	0	80	287	320	60	130	230	260	34
			10	GEI-655-C2.2	2.2	0.2	22.8	0.63	15.2	0.75 [7.6]	80	450	272	132	0	80	298	320	60	130	290	320	41
			11	GEJ-655-C3.7	3.7	0.2	32.5	0.63	21	0.65 [6.6]	80	490	327	167	5	85	334	400	65	270	290	324	52
			12	GEK-655-C5.5	5.5	0.2	45	0.63	34	0.52 [5.3]	100	575	375	195	5	105	389	400	65	270	350	384	74
			13	GEK-655-C7.5	7.5	0.2	54.5	0.63	43.5	0.42 [4.3]	100	595	375	195	5	105	400	400	65	270	350	384	97
	80	65	14	GEI-805-C3.7	3.7	0.4	23	1.25	12	0.74 [7.5]	100	520	327	167	5	105	334	400	65	270	290	324	54
			15	GEJ-805-C5.5	5.5	0.4	30.5	1.25	20	0.66 [6.7]	100	580	375	195	5	105	389	400	65	270	350	384	72
			16	GEJ-805-C7.5	7.5	0.4	38.5	1.25	27.5	0.58 [5.9]	100	600	375	195	5	105	400	400	65	270	350	384	94
60	40	32	1	GEH-406-C0.75	0.75	0.06	20	0.25	10.5	0.77 [7.9]	65	414	245	120	22	87	263	320	60	130	230	260	23
			2	GEI-406-C1.5	1.5	0.06	29	0.25	21.5	0.68 [6.9]	65	440	272	132	22	87	287	320	60	130	230	260	32
			3	GEJ-406-C2.2	2.2	0.06	39.5	0.25	27.5	0.58 [5.9]	80	445	312	152	0	80	319	320	60	130	290	320	39
			4	GEJ-406-C3.7	3.7	0.06	57	0.25	46.5	0.25 [2.6]	80	485	327	167	5	85	334	400	65	270	290	324	45
	50	40	5	GEH-506-C0.75	0.75	0.12	16.2	0.4	6.2	0.804 [8.2]	65	414	272	132	22	87	275	320	60	130	230	260	26
			6	GEH-506-C1.5	1.5	0.12	23.5	0.4	15.2	0.74 [7.5]	65	440	272	132	22	87	287	320	60	130	230	260	32
			7	GEI-506-C2.2	2.2	0.12	31	0.4	21.5	0.67 [6.8]	80	450	272	132	0	80	299	320	60	130	230	260	39
			8	GEJ-506B-C3.7	3.7	0.12	48	0.4	30	0.54 [5.5]	80	490	327	167	5	85	334	400	65	270	290	324	50
			9	GEJ-506-C5.5	5.5	0.12	56.5	0.4	43	0.41 [4.2]	80	555	355	195	5	85	389	400	65	270	290	324	64
			10	GEK-506-C7.5	7.5	0.12	71	0.4	57.5	0.26 [2.7]	80	575	375	195	5	85	400	400	65	270	290	324	94
	65	50	11	GEH-656-C2.2	2.2	0.25	21.2	0.8	12.2	0.75 [7.6]	80	445	272	132	0	80	299	320	60	130	230	260	38
			12	GEI-656-C3.7	3.7	0.25	32	0.8	18.8	0.66 [6.7]	80	490	315	175	5	85	342	400	65	270	290	324	50
			13	GEJ-656-C5.5	5.5	0.25	42	0.8	22	0.56 [5.7]	80	555	355	195	5	85	389	400	65	270	290	324	68
			14	GEJ-656-C7.5	7.5	0.25	53.5	0.8	34	0.43 [4.4]	80	575	355	195	5	85	400	400	65	270	290	324	90
	80	65	15	GEI-806-C5.5	5.5	0.5	30	1.6	11	0.66 [6.7]	100	580	355	195	5	105	389	400	65	270	290	324	67
			16	GEI-806-C7.5	7.5	0.5	35.5	1.6	18	0.61 [6.2]	100	600	355	195	5	105	400	400	65	270	290	324	89

Standard End Suction

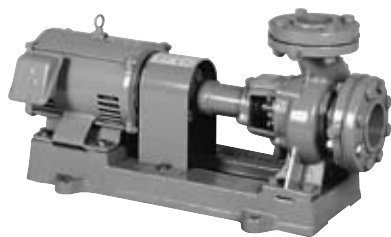
In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

GE-2M End suction centrifugal pump 2 pole



(Companion flanges are optional accessories)

Maximum back pressure...Refer to Specification table

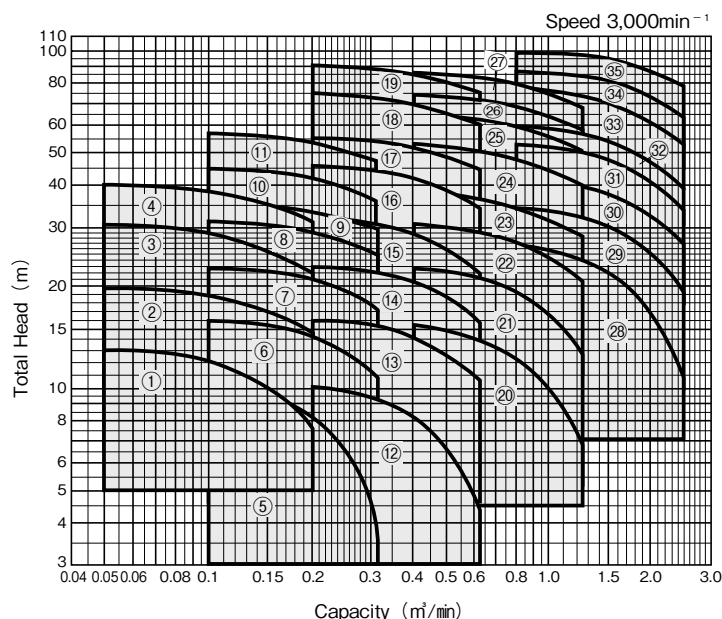
$$\left(0.98 - \frac{\text{Total head at zero flow(m)} \times 0.098}{10}\right) \text{ MPa}$$

$$\left(10 - \frac{\text{Total head at zero flow(m)}}{10}\right) \text{ kgf/cm}^2$$

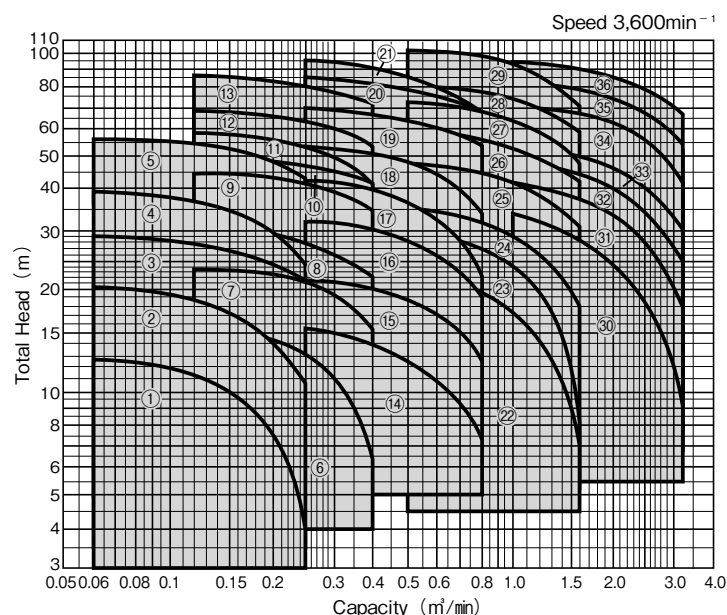
Maximum suction head

Bore (mm)	Total suction head (20°C)	Bore (mm)	Total suction head (20°C)
40 × 32	– 6m (– 4.5m : 50Hz 0.4kW) – 1.2m : 60Hz 0.4kW)	80 × 65	– 6m (– 3.5m : 50Hz 2.2kW – 5.5m : 60Hz 5.5kW over – 4m : 60Hz 3.7kW)
50 × 40	– 6m (– 0.5m : 50Hz 0.4kW) – 3.2m : 60Hz 0.75kW)	100 × 80	– 5m (– 3m : 60Hz)
65 × 50	– 6m (– 1.2m : 50Hz 0.75kW) – 4.2m : 60Hz 1.5kW)		

Selection chart 50Hz



Selection chart 60Hz



Applications

- Cold and hot water circulation
 - Cooling water for building and factory equipments
 - Agriculture ● Industry
 - Other general water supply
- (Please inquire in case drinking water application)

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller FC, CAC406(BC6) or CAC702 (AIBC2)
Shaft SUS403 (portion contacting liquid), Casing FC
- Construction Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

Features

- Compact and light weight
- Easy maintenance and inspection due to back pull out construction
- Long life mechanical seal is adopted for shaft sealing
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- Wide applications for various usages.
- In accordance with Japanese Industrial Standard (JISB8313)
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

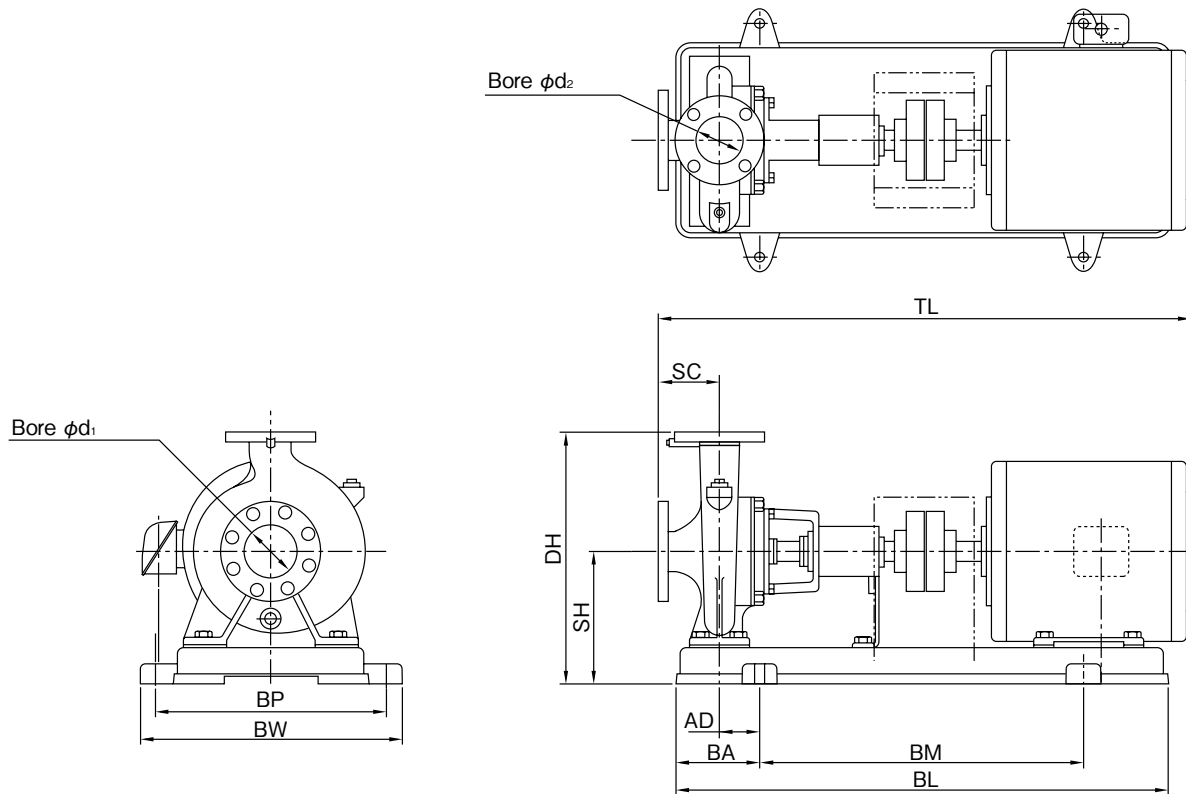
Standard accessories

Motor, Base, coupling, coupling cover, priming plug, wedge (more than bore 65x50 models)

■ Specification & outline dimension table Inquire specification sheets and drawings in case of acutual work planning

●GE-2M 50Hz

Flange : JIS 10K thick type (companion flanges are optional accessories)



Hz	Suction Bore mm	Discharge Bore mm	Ref No.	Model	Motor kW	Performance				Maximum		Dimensions (mm)												Weight kg
						Capacity: Head		Capacity: Head		Back pressure		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD			
						m ³ /min	m	m ³ /min	m	MPa	kgf/cm ²													
50	40	32	1	GEH-40 × 325M-2MN0.4	0.4	0.05	13	0.2	7.5	0.84	[8.6]	65	467	80	300	200	236	280	155	506	35	31		
			2	GEI-40 × 325M-2M0.75	0.75	0.05	19.8	0.2	14.5	0.77	[7.9]	65	468	82	300	230	266	317	177	503	35	36		
			3	GEJ-40 × 325M-2M1.5	1.5	0.05	30.5	0.2	22	0.67	[6.8]	80	648	112	420	290	336	347	187	644	50	54		
			4	GEJ-40 × 325M-2M2.2	2.2	0.05	40	0.2	31.5	0.58	[5.9]	80	648	112	420	290	336	347	187	644	50	55		
	50	40	5	GEH-50 × 405M-2MN0.4	0.4	0.1	10.5	0.32	3.5	0.86	[8.8]	65	468	82	300	230	266	307	167	506	35	33		
			6	GEH-50 × 405M-2M0.75	0.75	0.1	15.8	0.32	10.5	0.81	[8.3]	65	468	82	300	230	266	317	177	503	35	36		
			7	GEI-50 × 405M-2M1.5	1.5	0.1	22.5	0.32	17	0.74	[7.6]	80	726	127	480	290	336	307	167	724	60	60		
			8	GEJ-50 × 405M-2M2.2	2.2	0.1	31	0.32	24.5	0.67	[6.8]	80	722	120	480	290	336	347	187	724	55	62		
			9	GEJ-50 × 405M-2M3.7	3.7	0.1	35.5	0.32	29.8	0.63	[6.4]	80	818	138	540	320	366	357	197	779	70	76		
			10	GEK-50 × 405M-2M3.7	3.7	0.1	44.5	0.32	35.5	0.52	[5.3]	80	821	138	540	320	366	405	225	779	70	89		
			11	GEK-50 × 405M-2M5.5	5.5	0.1	56.5	0.32	47	0.39	[4.0]	80	819	138	540	350	396	405	225	835	70	100		
	65	50	12	GEH-65 × 505M-2M0.75	0.75	0.2	10	0.63	4.2	0.87	[8.9]	80	577	102	370	230	266	307	167	598	35	42		
			13	GEH-65 × 505M-2M1.5	1.5	0.2	15.8	0.63	10.5	0.81	[8.3]	80	646	112	420	230	266	307	167	644	45	50		
			14	GEI-65 × 505M-2M2.2	2.2	0.2	22.8	0.63	15.2	0.74	[7.6]	80	726	127	480	290	336	307	167	724	60	62		
			15	GEJ-65 × 505M-2M3.7	3.7	0.2	32.5	0.63	21	0.65	[6.6]	80	818	138	540	320	366	357	197	779	70	79		
			16	GEK-65 × 505M-2M5.5	5.5	0.2	45	0.63	34	0.52	[5.3]	100	819	138	540	350	396	405	225	855	70	105		
			17	GEK-65 × 505M-2M7.5	7.5	0.2	54.5	0.63	43.5	0.42	[4.3]	100	819	138	540	350	396	405	225	855	70	109		
			18	GEL-65 × 505M-2M11	11	0.2	75	0.63	59.4	0.22	[2.2]	100	918	158	600	400	458	470	245	981	75	149		
	19	GEL-65 × 505M-2M15	15	0.2	90	0.63	74	0.059	[0.6]	100	918	158	600	400	458	470	245	981	75	159				
80	65	20	GEH-80 × 655M-2M2.2	2.2	0.4	15.2	1.25	6.5	0.81	[8.3]	100	648	112	420	290	336	347	187	664	50	58			
		21	GEI-80 × 655M-2M3.7	3.7	0.4	22.5	1.25	12	0.74	[7.5]	100	818	138	540	320	366	357	197	799	70	87			
		22	GEJ-80 × 655M-2M5.5	5.5	0.4	30.5	1.25	20	0.66	[6.7]	100	819	138	540	350	396	405	225	855	70	104			
		23	GEJ-80 × 655M-2M7.5	7.5	0.4	38.5	1.25	27.5	0.58	[5.9]	100	819	138	540	350	396	405	225	855	70	108			
		24	GEK-80 × 655M-2M11	11	0.4	52	1.25	38.5	0.45	[4.6]	100	916	158	600	400	458	425	225	981	90	140			
		25	GEK-80 × 655M-2M15	15	0.4	63.5	1.25	49.5	0.33	[3.4]	100	916	158	600	400	458	425	225	981	90	150			
		26	GEL-80 × 655M-2M18.5	18.5	0.4	74	1.25	57	0.32	[3.3]	100	1018	178	660	400	458	470	245	1025	95	189			
		27	GEL-80 × 655M-2M22	22	0.4	85	1.25	67	0.13	[1.3]	100	1018	178	660	400	458	470	245	1034	95	204			
100	80	28	GEI-100 × 805M-2M7.5	7.5	0.8	26.5	2.5	10.5	0.69	[7.0]	100	819	138	540	350	396	405	225	855	60	114			
		29	GEJ-100 × 805M-2M11	11	0.8	34	2.5	19	0.62	[6.3]	100	916	158	600	400	458	425	225	981	75	143			
		30	GEJ-100 × 805M-2M15	15	0.8	42	2.5	27	0.54	[5.5]	100	916	158	600	400	458	425	225	981	75	153			
		31	GEK-100 × 805M-2M18.5	18.5	0.8	52.5	2.5	33	0.44	[4.5]	100	1018	178	660	400	458	470	245	1025	95	179			
		32	GEK-100 × 805M-2M22	22	0.8	59	2.5	38.5	0.37	[3.8]	100	1018	178	660	400	458	470	245	1034	95	199			
		33	GEL-100 × 805M-2M30	30	0.8	76	2.5	51.5	0.22	[2.2]	100	1140	199	740	440	498	535	285	1150	100	243			
		34	GEL-100 × 805M-2M37	37	0.8	86	2.5	64.5	0.098	[1.0]	100	1140	199	740	440	498	535	285	1216	100	314			
		35	GEL-100 × 805M-2M45	45	0.8	99	2.5	77	0	[0]	100	1141	199	740	490	548	535	285	1216	100	324			

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

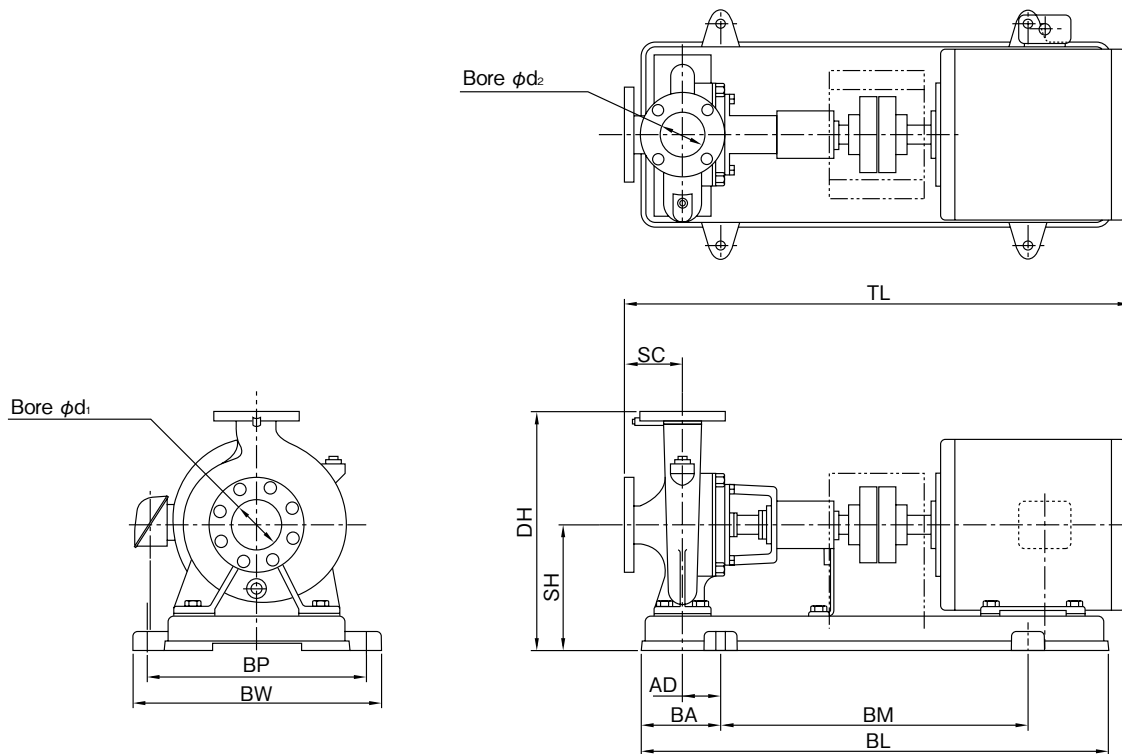
Accessories

GE-2M

■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

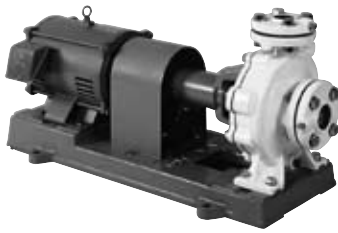
●GE-2M 60Hz

Flange : JIS 10K thick type (companion flanges are optional accessories)



Hz	Suction Bore mm	Discharge Bore mm	Ref No.	Model	Motor kW	Performance				Maximum Back pressure		Dimensions (mm)										Weight kg
						Capacity m ³ /min	Head m	Capacity m ³ /min	Head m	MPa	kgf/cm ²	SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	
60	40	32	1	GEH-40 × 326M-2MN0.4	0.4	0.06	12.8	0.25	4.2	0.84	[8.6]	65	467	82	300	200	236	280	155	506	35	31
			2	GEH-40 × 326M-2M0.75	0.75	0.06	20	0.25	10.5	0.77	[7.9]	65	466	82	300	210	246	280	155	503	35	33
			3	GEI-40 × 326M-2M1.5	1.5	0.06	29	0.25	21.5	0.68	[6.9]	65	516	92	330	230	266	307	167	549	45	43
			4	GEJ-40 × 326M-2M2.2	2.2	0.06	39	0.25	24	0.58	[5.9]	80	648	112	420	290	336	347	187	644	50	55
			5	GEJ-40 × 326M-2M3.7	3.7	0.06	55.5	0.25	42.5	0.40	[4.1]	80	648	112	420	290	336	357	197	699	50	66
	50	40	6	GEH-50 × 406M-2M0.75	0.75	0.12	16.2	0.4	6.2	0.80	[8.2]	65	468	82	300	230	266	317	177	503	35	35
			7	GEH-50 × 406M-2M1.5	1.5	0.12	23.5	0.4	15.2	0.74	[7.5]	65	516	92	330	230	266	307	167	549	45	42
			8	GEI-50 × 406M-2M2.2	2.2	0.12	31	0.4	21.8	0.67	[6.8]	80	726	127	480	290	336	307	167	724	60	58
			9	GEJ-50 × 406M-2M3.7	3.7	0.12	44	0.4	34.5	0.54	[5.5]	80	818	138	540	320	366	357	197	779	70	76
			10	GEJ-50 × 406M-2M5.5	5.5	0.12	50.5	0.4	41.5	0.47	[4.8]	80	816	138	540	350	396	357	197	835	70	89
			11	GEK-50 × 406M-2M5.5	5.5	0.12	57.5	0.4	41.5	0.39	[4.0]	80	819	138	540	350	396	405	225	835	70	99
			12	GEK-50 × 406M-2M7.5	7.5	0.12	69	0.4	53.5	0.25	[2.6]	80	819	138	540	350	396	405	225	835	70	104
			13	GEK-50 × 406M-2M11	11	0.12	86	0.4	72	0.098	[1.0]	80	916	158	600	400	458	405	225	961	90	121
	65	50	14	GEH-65 × 506M-2M1.5	1.5	0.25	15.2	0.8	7.2	0.82	[8.4]	80	646	112	420	230	266	307	167	644	45	50
			15	GEH-65 × 506M-2M2.2	2.2	0.25	21.2	0.8	12.2	0.76	[7.8]	80	648	112	420	260	296	307	167	644	45	49
			16	GEI-65 × 506M-2M3.7	3.7	0.25	32	0.8	18.8	0.66	[6.7]	80	816	138	540	320	366	317	177	779	70	78
			17	GEJ-65 × 506M-2M5.5	5.5	0.25	42	0.8	22	0.54	[5.5]	80	816	138	540	350	396	357	197	835	70	92
			18	GEJ-65 × 506M-2M7.5	7.5	0.25	53.5	0.8	34	0.43	[4.4]	80	816	138	540	350	396	357	197	835	70	96
			19	GEK-65 × 506M-2M11	11	0.25	70	0.8	53	0.26	[2.7]	100	916	158	600	400	458	405	225	981	90	136
			20	GEK-65 × 506M-2M15	15	0.25	84	0.8	68	0.13	[1.3]	100	916	158	600	400	458	405	225	981	90	147
			21	GEL-65 × 506M-2M18.5	18.5	0.25	96	0.8	68	0	[0]	100	1018	178	660	400	458	470	245	1025	95	174
	80	65	22	GEH-80 × 656M-2M3.7	3.7	0.5	22	1.6	7	0.74	[7.6]	100	648	112	420	290	336	357	197	719	50	71
			23	GEI-80 × 656M-2M5.5	5.5	0.5	29.5	1.6	10.5	0.66	[6.7]	100	816	138	540	350	396	357	197	855	70	99
			24	GEI-80 × 656M-2M7.5	7.5	0.5	35	1.6	18	0.61	[6.2]	100	816	138	540	350	396	357	197	855	70	103
			25	GEJ-80 × 656M-2M11	11	0.5	47	1.6	30.5	0.50	[5.1]	100	916	158	600	400	458	405	225	981	90	134
			26	GEJ-80 × 656M-2M15	15	0.5	60	1.6	42	0.36	[3.7]	100	916	158	600	400	458	405	225	981	90	144
			27	GEK-80 × 656M-2M18.5	18.5	0.5	72	1.6	47.5	0.25	[2.5]	100	1016	178	660	400	458	425	225	1025	110	166
			28	GEK-80 × 656M-2M22	22	0.5	81	1.6	59	0.15	[1.5]	100	1016	178	660	400	458	425	225	1034	110	186
			29	GEL-80 × 656M-2M30	30	0.5	101	1.6	71	0	[0]	100	1016	178	660	440	498	470	245	1040	95	220
	100	80	30	GEI-100 × 806M-2M11	11	1.0	34	3.15	8.5	0.62	[6.3]	100	916	158	600	400	458	405	225	981	75	140
			31	GEI-100 × 806M-2M15	15	1.0	41	3.15	17.5	0.54	[5.5]	100	916	158	600	400	458	405	225	981	75	151
			32	GEJ-100 × 806M-2M18.5	18.5	1.0	48.5	3.15	24.5	0.46	[4.7]	100	1016	178	660	400	458	425	225	1025	95	168
			33	GEJ-100 × 806M-2M22	22	1.0	55.5	3.15	29.5	0.39	[4.0]	100	1016	178	660	400	458	425	225	1034	95	189
			34	GEK-100 × 806M-2M30	30	1.0	72	3.15	40.5	0.25	[2.5]	100	1016	178	660	440	498	470	245	1040	95	213
			35	GEK-100 × 806M-2M37	37	1.0	84	3.15	52	0.12	[1.2]	100	1016	178	660	440	498	470	245	1106	95	284
			36	GEK-100 × 806M-2M45	45	1.0	93	3.15	66	0.049	[0.5]	100	1020	180	660	490	498	490	265	1106	95	289

GEN-2M End suction centrifugal pump Nylon coating



(Companion flanges are optional accessories)

■ Maximum suction head...Refer to GE-2M series

■ Maximum back pressure...Refer to Specification table

$$\left(0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{MPa}$$

$$\left(10 - \frac{\text{Total head at zero flow (m)}}{10}\right) \text{kgf/cm}^2$$

Applications

- Cold and hot water circulation
 - Cooling water for building and factory equipments
 - Agriculture ● Industry
 - Other general water supply
- (Please inquire in case drinking water application)

Features

- Compact and light weight
- Easy maintenance and inspection due to back pull out construction
- Long life mechanical seal is adopted for shaft sealing
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- Wide applications for various usages.
- In accordance with Japanese Industrial Standard (JISB8131)
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

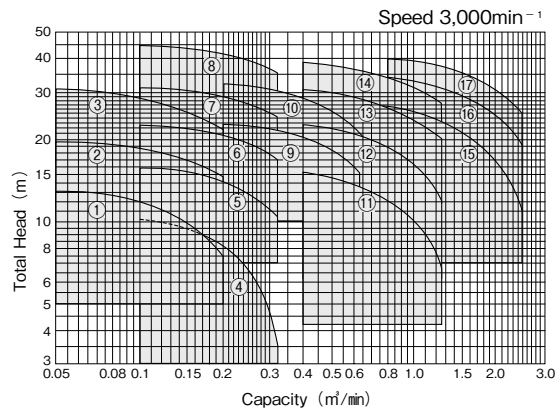
Standard specifications

- Liquid Clean water 0 ~ 40°C
- Materials Impeller CAC406(BC6)
Shaft SUS316(portion contacting liquid),
Casing FC
Casing FC + Nylon coating
- Construction Impeller : Close
Shaft sealing : Mechanical seal(SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

Standard accessories

Motor, Base, coupling, coupling cover, priming plug, wedge (more than bore 80x65 models)

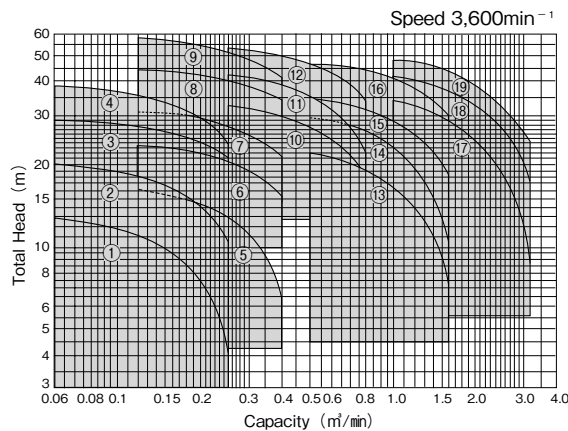
Selection chart 50Hz



Specification table

Hz	Suction Bore mm	Discharge Bore mm	Ref. No.	Model	Motor kW	Performance				Maximum Back pressure MPa(kgf/cm²)
						Capacity m³/min	Head m	Capacity m³/min	Head m	
50	40	32	1	GEN-40 × 325M-2MN0.4	0.4	0.05	13	0.2	7.5	0.84 [8.6]
			2	GEN-40 × 325M-2M0.75	0.75	0.05	19.8	0.2	14.5	0.77 [7.9]
			3	GEN-40 × 325M-2M1.5	1.5	0.05	30.5	0.2	22	0.67 [6.8]
	50	40	4	GEN-50 × 405M-2MN0.4	0.4	0.1	10.5	0.32	3.5	0.86 [8.8]
			5	GEN-50 × 405M-2M0.75	0.75	0.1	15.8	0.32	10.5	0.81 [8.3]
			6	GEN-50 × 405M-2M1.5	1.5	0.1	22.5	0.32	17	0.74 [7.6]
			7	GEN-50 × 405M-2M2.2	2.2	0.1	31	0.32	24.5	0.67 [6.8]
			8	GEN-50 × 405M-2M3.7	3.7	0.1	44.5	0.32	35.5	0.52 [5.3]
	65	50	9	GEN-65 × 505M-2M2.2	2.2	0.2	22.8	0.63	15.2	0.74 [7.6]
			10	GEN-65 × 505M-2M3.7	3.7	0.2	32.5	0.63	21	0.65 [6.6]
50	80	65	12	GEN-80 × 655M-2M2.2	2.2	0.4	15.2	1.25	6.5	0.81 [8.3]
			12	GEN-80 × 655M-2M3.7	3.7	0.4	22.5	1.25	12	0.73 [7.4]
			13	GEN-80 × 655M-2M5.5	5.5	0.4	30.5	1.25	20	0.66 [6.7]
			14	GEN-80 × 655M-2M7.5	7.5	0.4	38.5	1.25	27.5	0.58 [5.9]
	100	80	15	GEN-100 × 805M-2M7.5	7.5	0.8	26.5	2.5	10.5	0.69 [7.0]
			16	GEN-100 × 805M-2M11	11	0.8	34	2.5	19	0.62 [6.3]
			17	GEN-100 × 805M-2M15	15	0.8	40	2.5	24.5	0.55 [5.6]

Selection chart 60Hz



Specification table

Hz	Suction Bore mm	Discharge Bore mm	Ref. No.	Model	Motor kW	Performance				Maximum Back pressure MPa(kgf/cm²)
						Capacity m³/min	Head m	Capacity m³/min	Head m	
60	40	32	1	GEN-40 × 326M-2MN0.4	0.4	0.06	12.8	0.25	4.2	0.84 [8.6]
			2	GEN-40 × 326M-2M0.75	0.75	0.06	20	0.25	10.5	0.77 [7.9]
			3	GEN-40 × 326M-2M1.5	1.5	0.06	29	0.25	21.5	0.68 [6.9]
			4	GEN-40 × 326M-2M2.2	2.2	0.06	39	0.25	24	0.58 [5.9]
	50	40	5	GEN-50 × 406M-2M0.75	0.75	0.12	16.2	0.4	6.2	0.80 [8.2]
			6	GEN-50 × 406M-2M1.5	1.5	0.12	23.5	0.4	15.2	0.74 [7.5]
			7	GEN-50 × 406M-2M2.2	2.2	0.12	31	0.4	21.5	0.67 [6.8]
			8	GEN-50 × 406M-2M3.7	3.7	0.12	44	0.4	34.5	0.54 [5.5]
			9	GEN-50 × 406M-2M5.5	5.5	0.12	57.5	0.4	41.5	0.39 [4.0]
	65	50	10	GEN-65 × 506M-2M3.7	3.7	0.25	32	0.8	18.8	0.66 [6.7]
			11	GEN-65 × 506M-2M5.5	5.5	0.25	42	0.8	22	0.54 [5.5]
			12	GEN-65 × 506M-2M7.5	7.5	0.25	53.5	0.8	34	0.43 [4.4]
	80	65	13	GEN-80 × 656M-2M3.7	3.7	0.5	22	1.6	7	0.74 [7.6]
			14	GEN-80 × 656M-2M5.5	5.5	0.5	29.5	1.6	10.5	0.66 [6.7]
			15	GEN-80 × 656M-2M7.5	7.5	0.5	35	1.6	18	0.61 [6.2]
			16	GEN-80 × 656M-2M11	11	0.5	47	1.6	30.5	0.50 [5.1]
60	100	80	17	GEN-100 × 806M-2M11	11	1.0	34	3.15	8.5	0.62 [6.3]
			18	GEN-100 × 806M-2M15	15	1.0	41	3.15	17.5	0.54 [5.5]
			19	GEN-100 × 806M-2M18.5	18.5	1.0	48.5	3.15	24.5	0.46 [4.7]

Standard End Suction

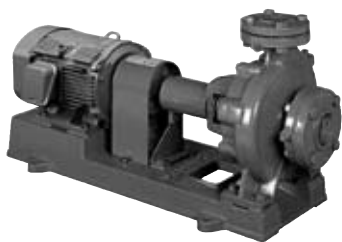
In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

GE-4M End suction centrifugal pump 4 pole



(Companion flanges are optional accessories)

Applications

- Cold and hot water circulation
- Cooling water for building and factory equipments
- Agriculture
- Industry
(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to back pull out construction
- Long life mechanical seal is adopted for shaft sealing
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- Wide applications for various usages.
- Less vibration and quiet operation sound because of 4 pole motor revolution (1500min⁻¹/50Hz, 1800min⁻¹/60Hz)
- In accordance with Japanese Industrial Standard(JISB8313)
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller FC or CAC406 (BC6)
Shaft SUS403 (portion contacting liquid), Casing FC
- Construction Impeller : Close
Shaft sealing : Mechanical seal (Sic x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

Standard accessories

Motor, Base, coupling, coupling cover, priming plug, wedge (more than bore 50x40 models)

Maximum back pressure...Refer to Specification table

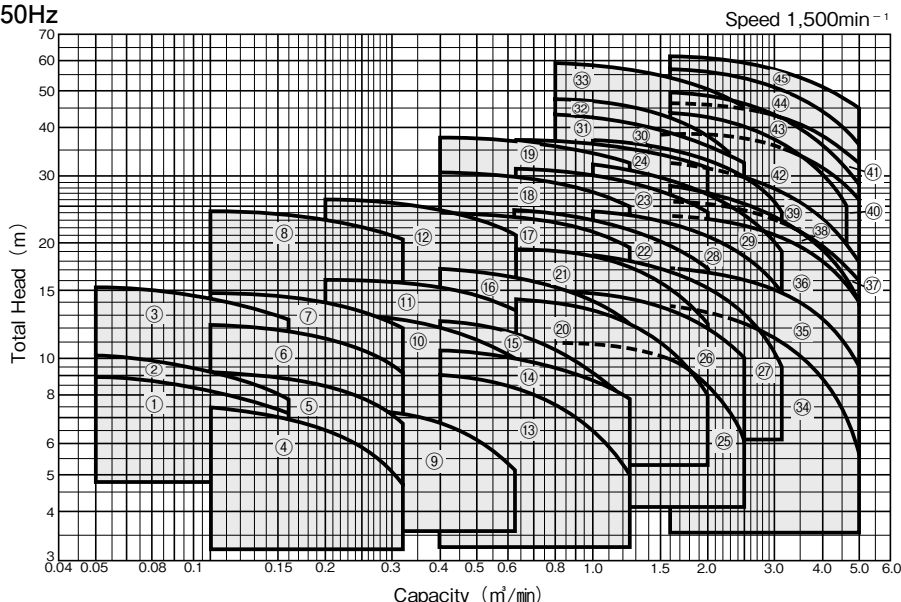
$$\left(0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa}$$

$$\left(10 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ kgf/cm}^2$$

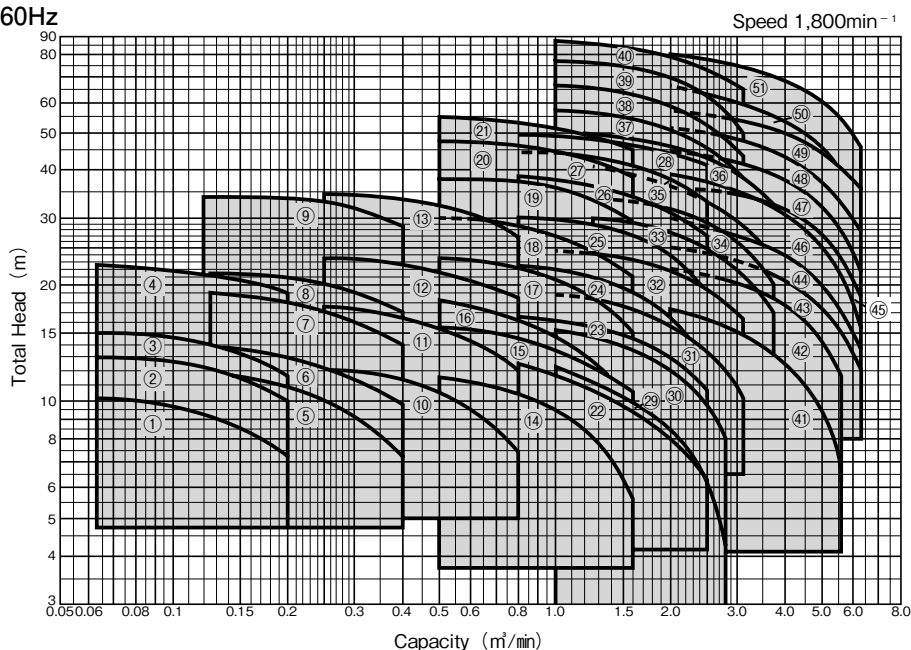
Maximum suction head

50Hz : - 6m (GEJ-50×405M(G)-4MN0.4 : - 4.5m)
 GEJ-65×505M(G)-4M0.75 : - 5m)
 60Hz : - 6m (Bore 125×100mm below)
 - 5.5m (Bore 150×125mm)

Selection chart 50Hz



Selection chart 60Hz



GE-4M

■ Specification & outline dimension table

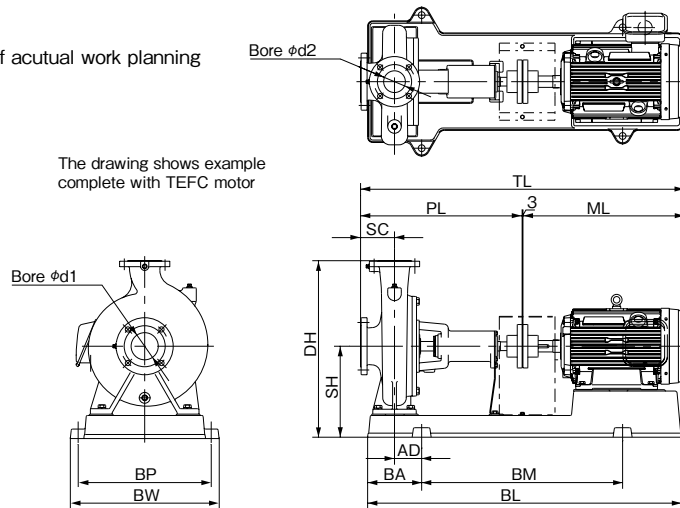
Inquire specification sheets and drawings in case of actual work planning

●GE-4M 50Hz

Flange : JIS 10K thick type

(Companion flanges are optional accessories)

The drawing shows example complete with TEFC motor



Hz	Suction Bore	Discharge Bore	Ref No.	Model	Motor	Performance				Maximum	Dimensions (mm)												Weight
	mm	mm				Capacity	Head	Capacity	Head	Back pressure													
											m³/min	m	m³/min	m	MPa [kgf/cm²]	SC	BL	BA	BM	BP	BW	DH	
50	40	32	1	GEJ-40 × 325M-4MN0.4	0.4	0.05	9	0.16	7.2	0.88 [9.0]	80	647	111	420	290 210	336 256	347	187	681	45	46		
			2	GEK-40 × 325M-4MN0.4	0.4	0.05	10.2	0.16	7.8	0.86 [8.8]	80	654	112	420	290 230	336 276	395	215	681	45	53		
			3	GEK-405M-4MN0.75	0.75	0.05	15.2	0.16	12.5	0.81 [8.3]	80	733	122	480	290 336	395 215	746 681	55 45	64				
	50	40	4	GEJ-50 × 405M-4MN0.4	0.4	0.1	7.5	0.32	4.8	0.89 [9.1]	80	647	111	420	290 210	336 256	347	187	681	45	47		
			5	GEJ-505M-4MN0.75	0.75	0.1	9.2	0.32	6.8	0.88 [9.0]	80	727	121	480	290 230	336 276	347	187	741	55	54		
			6	GEK-505M-4MN0.75	0.75	0.1	12.2	0.32	9.2	0.85 [8.7]	100	733	122	480	320 336	395 215	766 681	55 45	63				
			7	GEK-505M-4MN1.5	1.5	0.1	14.8	0.32	12	0.82 [8.4]	100	731	122	480	320 336	395 215	778 681	55 45	69				
			8	GEL-505M-4MN2.2	2.2	0.1	24.2	0.32	20.5	0.73 [7.4]	100	825	138	540	400 290	458 348	470 245	842 778	55 55	96			
	65	50	9	GEJ-655M-4MN0.75	0.75	0.2	8	0.63	5.2	0.89 [9.1]	100	733	122	480	320 366	395 215	766 681	55 45	66				
			10	GEK-655M-4MN1.5	1.5	0.2	13	0.63	10	0.84 [8.6]	100	731	122	480	320 366	415 215	778 681	55 45	75				
			11	GEK-655M-4MN2.2	2.2	0.2	16	0.63	13.2	0.8 [8.2]	100	731	122	480	320 366	425 225	819 681	55 45	81				
			12	GEL-655M-4MN3.7	3.7	0.2	26	0.63	21	0.72 [7.3]	100	825	138	540	400 320	458 378	470 245	842 778	55 55	108			
	80	65	13	GEJ-805M-4MN1.5	1.5	0.4	9	1.25	5	0.87 [8.9]	100	732	122	480	350 260	396 306	415 215	778 681	40 45	72			
			14	GEJ-805M-4MN2.2	2.2	0.4	10.5	1.25	7.8	0.86 [8.8]	100	822	138	540	350 290	396 336	425 225	839 681	55 45	85			
			15	GEK-805M-4MN2.2	2.2	0.4	12.5	1.25	7.5	0.84 [8.6]	100	825	138	540	400 290	458 348	470 245	842 778	55 45	89			
			16	GEK-805M-4MN3.7	3.7	0.4	17	1.25	12.2	0.79 [8.1]	100	823	138	540	400 320	458 378	470 245	840 778	55 45	104			
			17	GEL-805M-4MN5.5	5.5	0.4	24.2	1.25	19.2	0.74 [7.5]	100	923	158	600	440 350	498 408	515 265	1001 681	60 45	129			
			18	GEM-805M-4MN7.5	7.5	0.4	30.5	1.25	24.5	0.68 [6.9]	125	1029	180	660	490 350	548 408	590 310	1064 681	80 45	159			
			19	GEM-805M-4MN11	11	0.4	38	1.25	32	0.6 [6.1]	125	1146	199	740	490 400	548 458	590 310	1172 681	100 45	197			
	100	80	20	GEK-1005M-4MN3.7	3.7	0.63	14.2	2.0	8	0.85 [8.7]	125	921	158	600	440 350	498 408	495 245	970 681	75 45	127			
			21	GEL-1005M-4MN5.5	5.5	0.63	19.2	2.0	12.2	0.78 [8.0]	125	1029	180	660	490 350	548 408	590 310	1054 681	80 45	164			
			22	GEL-1005M-4MN7.5	7.5	0.63	24	2.0	17	0.75 [7.6]	125	1029	180	660	490 350	548 408	590 310	1064 681	80 45	174			
			23	GEM-1005M-4MN11	11	0.63	31	2.0	24	0.69 [7.0]	125	1146	199	740	490 400	548 458	650 335	1172 681	100 45	213			
			24	GEM-1005M-4MN15	15	0.63	37	2.0	31	0.62 [6.3]	125	1146	199	740	490 400	548 458	650 335	1193 681	100 45	233			
	125	100	25	GEK-1255M-4MN3.7	3.7	0.8	11.8	2.5	6.2	0.84 [8.6]	125	927	158	600	440 320	498 378	545 265	970 681	60 45	144			
			26	GEK-1255M-4MN5.5	5.5	0.8	15	2.5	10	0.81 [8.3]	125	923	158	600	440 350	498 408	545 265	1026 681	60 45	134			
			27	GEL-1255BM-4MN7.5	7.5	1.0	18.5	3.1	10	0.80 [8.2]	140	1029	180	660	490 350	548 408	590 310	1079 681	80 45	179			
			28	GEL-1255BM-4MN11	11	1.0	24	3.15	15.5	0.76 [7.7]	140	1146	199	740	490 400	548 458	590 310	1187 681	100 45	202			
			29	GEM-1255BM-4MN15	15	1.0	32	3.15	19.5	0.66 [6.7]	140	1146	199	740	490 400	548 458	650 335	1208 681	100 45	245			
			30	GEM-1255BM-4M18	18.5	1.0	37	3.15	24	0.62 [6.3]	140	1146	199	740	490 400	548 458	650 335	1190 681	100 45	293			
			31	GEM-125 × 1005M-4M18	18.5	0.8	42.5	2.5	30.8	0.55 [5.6]	140	1146	199	740	490 400	548 458	650 335	1190 681	100 45	282			
			32	GEO-1255M-4M22	22	0.8	47	2.5	31.5	0.52 [5.3]	140	1276	214	840	600 490	668 558	720 365	1297 681	95 45	422			
			33	GEO-1255M-4M30	30	0.8	59	2.5	45	0.41 [4.2]	140	1276	214	840	600 490	668 558	720 365	1297 681	95 45	439			
	150	125	34	GEK-1505M-4MN7.5	7.5	1.6	13.5	5.0	4.8	0.85 [8.7]	140	1029	180	660	490 350	548 408	650 335	1079 681	80 45	172			
			35	GEK-1505M-4MN11	11	1.6	17.2	5.0	9.5	0.82 [8.4]	140	1146	199	740	490 400	548 458	650 335	1187 681	100 45	213			
			36	GEL-1505M-4MN15	15	1.6	23.5	5.0	13.5	0.76 [7.8]	140	1146	199	740	490 400	548 458	690 335	1208 681	100 45	246			
			37	GEL-1505M-4M18	18.5	1.6	25.2	5.0	16	0.75 [7.6]	140	1146	199	740	490 400	548 458	690 335	1190 681	100 45	290			
			38	GEM-1505M-4M18	18.5	1.6	28	5.0	13.5	0.69 [7.0]	140	1280	214	840	600 490	668 558	720 365	1301 681	95 45	367			
			39	GEM-1505M-4M22	22	1.6	32	5.0	17.5	0.65 [6.6]	140	1276	214	840	600 490	668 558	720 365	1297 681	95 45	412			
			40	GEM-1505M-4M30	30	1.6	39	5.0	26	0.58 [5.9]	140	1276	214	840	600 490	668 558	720 365	1297 681	95 45	429			
			41	GEM-1505M-4M37	37	1.6	45.5	5.0	32	0.51 [5.2]	140	1276	214	840	600 490	668 558	720 365	1452 681	95 45	481			
			42	GEO-1505M-4M30	30	1.6	44.5	4.6	25	0.54 [5.5]	140	1280	214	840	600 490	668 558	805 405	1301 681	95 45	476			
			43	GEO-1505M-4M37	37	1.6	49.5	5.0	28	0.49 [5.0]	140	1280	214	840	600 490	668 558	805 405	1452 681	95 45	553			
			44	GEO-1505M-4M45	45	1.6	56.5	5.0	35	0.42 [4.3]	140	1280	214	840	600 490	668 558	805 405	1452 681	95 45	561			
			45	GEO-1505M-4M55	55	1.6	61	5.0	45	0.38 [3.9]	140	1280	214	840	600 490	668 558	805 405	1493 681	95 45	610			

※ BP, BW : upper ... pump side dimension, lower ... motor side dimension

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

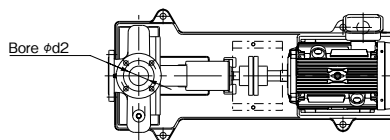
■ Specification & outline dimension table

Inquire specification sheets and drawings in case of actual work planning

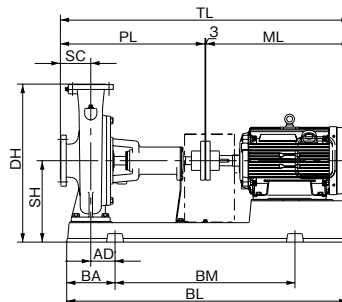
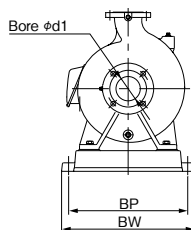
●GE-4M 50Hz

Flange : JIS 10K thick type

(Companion flanges are optional accessories)



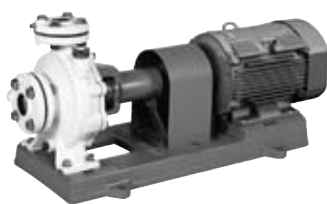
The drawing shows example complete with TEFC motor



Hz	Suction Bore	Discharge Bore	Ref No.	Model	Motor kW	Performance				Maximum Back pressure MPa (kgf/cm ²)	Dimensions (mm)										Weight kg
	mm	mm				Capacity m ³ /min	Head m	Capacity m ³ /min	Head m		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	
60	40	32	1	GEJ-40 × 326M-4MN0.4	0.4	0.063	10.2	0.2	7.2	0.86 [8.8]	80	647	111	420	290	256	347	187	681	45	47
			2	GEJ-406M-4MN0.75	0.75	0.063	13	0.2	10	0.84 [8.6]	80	727	121	480	290	276	347	187	741	55	54
			3	GEK-406M-4MN0.75	0.75	0.063	15	0.2	11.5	0.81 [8.3]	80	733	122	480	290	336	395	215	746	55	63
			4	GEK-406M-4MN1.5	1.5	0.063	22.5	0.2	19	0.74 [7.5]	80	734	123	480	290	336	405	225	758	55	69
	50	40	5	GEJ-506M-4MN0.75	0.75	0.125	11.8	0.4	7.2	0.85 [8.7]	80	727	121	480	290	276	347	187	741	55	54
			6	GEJ-506M-4MN1.5	1.5	0.125	13.8	0.4	9.8	0.83 [8.5]	80	722	120	480	290	336	347	187	758	55	59
			7	GEK-506M-4MN1.5	1.5	0.125	19	0.4	14	0.77 [7.9]	100	731	122	480	320	366	395	215	778	55	69
			8	GEK-506M-4MN2.2	2.2	0.125	21.5	0.4	17	0.75 [7.6]	100	731	122	480	320	366	405	225	819	55	77
			9	GEL-506M-4MN3.7	3.7	0.12	34.5	0.4	28.5	0.62 [6.3]	100	825	138	540	320	378	470	245	842	55	106
	65	50	10	GEJ-656M-4MN1.5	1.5	0.25	12.5	0.8	7.5	0.84 [8.6]	100	731	122	480	320	366	395	215	778	55	72
			11	GEK-656M-4MN2.2	2.2	0.25	17.5	0.8	12	0.78 [8.0]	100	731	122	480	320	366	425	225	819	55	83
			12	GEK-656M-4MN3.7	3.7	0.25	23.2	0.8	18.5	0.74 [7.5]	100	821	138	540	320	366	425	225	853	70	106
			13	GEL-656M-4MN5.5	5.5	0.25	34.5	0.8	27	0.63 [6.4]	100	825	140	540	320	378	490	265	891	55	108
	80	65	14	GEJ-806M-4MN2.2	2.2	0.5	11.5	1.6	5.5	0.84 [8.6]	100	822	138	540	320	336	425	225	839	55	85
			15	GEJ-806M-4MN3.7	3.7	0.5	15.2	1.6	10.5	0.81 [8.3]	100	823	139	540	320	336	437	237	839	55	100
			16	GEK-806M-4MN3.7	3.7	0.5	18.2	1.6	9.5	0.78 [8.0]	100	823	138	540	320	378	470	245	840	55	104
			17	GEK-806M-4MN5.5	5.5	0.5	23.2	1.6	15.2	0.74 [7.5]	100	825	140	540	320	378	490	265	891	55	97
			18	GEL-806M-4MN7.5	7.5	0.5	30	1.6	21	0.68 [6.9]	100	1029	179	660	320	428	535	285	1039	80	146
			19	GEL-806M-4MN11	11	0.5	37.5	1.6	29.5	0.6 [6.1]	100	1140	199	740	440	498	535	285	1141	100	169
			20	GEM-806M-4MN15	15	0.5	48	1.6	38	0.49 [5.0]	125	1146	199	740	490	458	590	310	1193	100	208
			21	GEM-80 × 656M-4M18	18.5	0.5	54.5	1.6	45	0.43 [4.4]	125	1146	199	740	490	458	590	310	1175	100	252
	100	80	22	GEJ-1006M-4MN3.7	3.7	0.8	12.5	2.5	6.2	0.86 [8.7]	125	823	138	540	320	378	470	245	865	55	110
			23	GEJ-1006M-4MN5.5	5.5	0.8	16.5	2.5	10.5	0.83 [8.5]	125	825	140	540	320	378	490	265	916	55	117
			24	GEK-1006M-4MN7.5	7.5	0.8	22.5	2.5	13	0.77 [7.9]	125	1021	178	660	320	408	495	245	1064	95	138
			25	GEL-1006M-4MN11	11	0.8	30	2.5	19	0.66 [6.7]	125	1146	199	740	490	458	590	310	1172	100	199
			26	GEL-1006M-4MN15	15	0.8	38	2.5	27	0.6 [6.1]	125	1146	199	740	490	458	590	310	1193	100	220
			27	GEM-1006M-4M18	18.5	0.8	44.5	2.5	33	0.55 [5.6]	125	1146	199	740	490	458	650	335	1175	100	276
			28	GEM-1006M-4M22	22	0.8	49.5	2.5	39	0.5 [5.1]	125	1146	199	740	490	458	650	335	1207	100	331
	125	100	29	GEJ-1256M-4MN3.7	3.7	1.0	12.2	2.8	4.2	0.84 [8.6]	125	927	158	600	320	378	515	265	970	60	135
			30	GEJ-1256M-4MN5.5	5.5	1.0	15.2	2.8	8	0.81 [8.3]	125	923	158	600	320	378	515	265	1026	60	123
			31	GEK-1256M-4MN7.5	7.5	1.0	19	3.15	9.8	0.77 [7.9]	125	1026	179	660	320	408	565	285	1064	80	148
			32	GEK-1256M-4MN11	11	1.0	24.2	3.15	16.2	0.73 [7.4]	125	1140	199	740	440	498	548	285	1166	100	178
			33	GEL-1256BM-4MN15	15	1.25	30	3.8	16.5	0.69 [7.0]	140	1146	199	740	490	458	590	310	1208	100	228
			34	GEL-1256BM-4M18	18.5	1.25	34	3.8	21.5	0.65 [6.6]	140	1146	199	740	490	458	590	310	1190	100	274
			35	GEM-1256BM-4M22	22	1.25	41.5	3.8	23.5	0.56 [5.7]	140	1146	199	740	490	458	650	335	1222	100	347
			36	GEM-1256BM-4M30	30	1.25	51	3.8	32.5	0.47 [4.7]	140	1146	199	740	490	458	650	335	1222	100	362
			37	GEM-125 × 1006M-4M30	30	1.0	57	3.15	37.5	0.4 [4.1]	140	1146	199	740	490	458	650	335	1222	100	357
			38	GEO-1256M-4M37	37	1.0	67	3.15	44	0.32 [3.3]	140	1276	214	840	490	558	720	365	1452	95	486
			39	GEO-1256M-4M45	45	1.0	77	3.15	55	0.23 [2.3]	140	1276	214	840	490	558	720	365	1452	95	507
			40	GEO-1256M-4M55	55	1.0	86	3.15	66	0.14 [1.4]	140	1276	214	840	490	558	720	365	1493	95	560
	150	125	41	GEK-1506M-4MN11	11	2.0	17.2	5.6	6.2	0.81 [8.3]	140	1146	199	740	490	458	650	335	1187	100	213
			42	GEK-1506M-4MN15	15	2.0	22	5.6	11.8	0.77 [7.9]	140	1146	199	740	490	458	650	335	1208	100	224
			43	GEK-1506M-4M18	18.5	2.0	24.8	6.3	12	0.75 [7.7]	140	1146	199	740	490	458	650	335	1190	100	268
			44	GEL-1506M-4M22	22	2.0	30	6.3	12.5	0.7 [7.1]	140	1146	199	740	490	458	690	335	1222	100	357
			45	GEL-1506M-4M30	30	2.0	36	6.3	18.5	0.64 [6.5]	140	1146	199	740	490	458	690	335	1222	100	384
			46	GEM-1506M-4M30	30	2.0	39	6.3	14	0.56 [5.7]	140	1276	214	840	490	558	720	365	1297	95	426
			47	GEM-1506M-4M37	37	2.0	45	6.3	21.5	0.51 [5.2]	140	1276	214	840	490	558	720	365	1452	95	476
			48	GEM-1506M-4M45	45	2.0	51	6.3	27.5	0.46 [4.7]	140	1276	214	840	490	558	720	365	1452	95	497
			49	GEM-1506M-4M55	55	2.0	57	6.3	35.5	0.40 [4.1]	140	1276	214	840	490	558	720	365	1493	95	550
			50	GEO-1506M-4M55	55	2.0	66	5.6	38	0.32 [3.3]	140	1280	214	840	490	558	805	405	1493	95	608
			51	GEO-1506M-4M75	75	2.0	80	6.3	46	0.19 [1.9]	140	1432	241	940	598	578	820	420	1540	120	738

※ BP, BW : upper ... pump side dimension, lower ... motor side dimension

GEN-4M End suction centrifugal pump Nylon coating



(Companion flanges are optional accessories)

Applications

- Cold and hot water circulation
- Cooling water for building and factory equipments
- Agriculture
- Industry
(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to back pull out construction
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- Wide applications for various usages.
- Less vibration and quiet operation sound because of 4 pole motor revolution (1500min⁻¹/50Hz, 1800min⁻¹/60Hz)
- In accordance with Japanese Industrial Standard (JISB8313)
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

Maximum back pressure...Refer to Specification table

$$\left(0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa}$$

$$\left\{10 - \frac{\text{Total head at zero flow (m)}}{10}\right\} \text{ kgf/cm}^2$$

Maximum suction head (20°C)

$$-6\text{m} \begin{cases} \text{Bore } 50 \times 405 \phi & \text{Output } 0.4\text{kW} : -5\text{m} \\ \text{Bore } 65 \times 505 \phi & \text{Output } 0.75\text{kW} : -4\text{m} \\ \text{Bore } 80 \times 655 \phi & \text{Output } 1.5\text{kW} : -4.5\text{m} \\ \text{Bore } 80 \times 656 \phi & \text{Output } 2.2\text{kW} : -4\text{m} \end{cases}$$

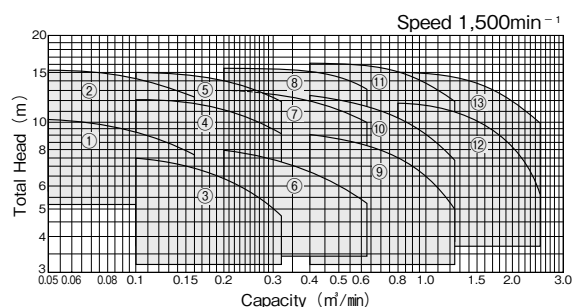
Standard specifications

- Liquid Clean water 0 ~ 40°C
- Materials Impeller CAC406(BC6)
Shaft SUS316 (portion contacting liquid), Casing FC
Casing FC + Nylon coating
- Construction Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

Standard accessories

Motor, Base, coupling, coupling cover, priming plug, wedge
(more than bore 80x65 models)

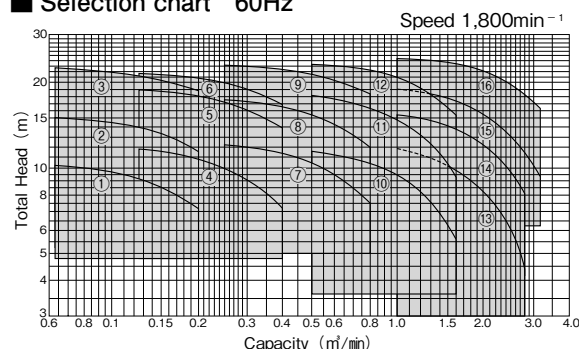
Selection chart 50Hz



Specification table

Hz	Suction Bore mm	Discharge Bore mm	Rot. No.	Model	Motor kW	Performance				Maximum Back pressure MPa(kgf/cm²)
						Capacity m³/min	Head m	Capacity m³/min	Head m	
40	32		1	GEN-40 × 325M-4MN0.4	0.4	0.05	10.2	0.16	7.8	0.86 [8.8]
			2	GEN-405M-4MN0.75	0.75	0.05	15.2	0.16	12.5	0.81 [8.3]
	50	40	3	GEN-50 × 405M-4MN0.4	0.4	0.1	7.5	0.32	4.8	0.89 [9.1]
			4	GEN-505M-4MN0.75	0.75	0.1	12.2	0.32	9.2	0.85 [8.7]
			5	GEN-505M-4MN1.5	1.5	0.1	14.8	0.32	12	0.82 [8.4]
50	65	50	6	GEN-655M-4MN0.75	0.75	0.2	8	0.63	5.2	0.89 [9.1]
			7	GEN-655M-4MN1.5	1.5	0.2	13	0.63	10	0.84 [8.6]
	80	65	8	GEN-655M-4MN2.2	2.2	0.2	15.5	0.63	13.2	0.80 [8.2]
			9	GEN-805M-4MN1.5	1.5	0.4	9	1.25	5	0.87 [8.9]
			10	GEN-805M-4MN2.2	2.2	0.4	12.5	1.25	7.5	0.84 [8.6]
125	100		11	GEN-805M-4MN3.7	3.7	0.4	16.2	1.25	12	0.79 [8.1]
			12	GEN-1225M-4MN3.7	3.7	0.8	11.8	2.5	5.5	0.84 [8.6]
			13	GEN-1225M-4MN5.5	5.5	0.8	15	2.5	10	0.81 [8.3]

Selection chart 60Hz



Specification table

Hz	Suction Bore mm	Discharge Bore mm	Rot. No.	Model	Motor kW	Performance				Maximum Back pressure MPa(kgf/cm²)
						Capacity m³/min	Head m	Capacity m³/min	Head m	
40	32		1	GEN-40 × 326M-4MN0.4	0.4	0.063	10.2	0.2	7.2	0.86 [8.8]
			2	GEN-406M-4MN0.75	0.75	0.063	15	0.2	11.5	0.81 [8.3]
			3	GEN-406M-4MN1.5	1.5	0.063	22.5	0.2	19	0.74 [7.5]
50	40		4	GEN-506M-4MN0.75	0.75	0.125	11.8	0.4	7.2	0.85 [8.7]
			5	GEN-506M-4MN1.5	1.5	0.125	19	0.4	14	0.77 [7.9]
			6	GEN-506M-4MN2.2	2.2	0.125	21.5	0.4	17	0.74 [7.6]
60	65	50	7	GEN-656M-4MN1.5	1.5	0.25	12.2	0.8	7.5	0.84 [8.6]
			8	GEN-656M-4MN2.2	2.2	0.25	17.5	0.8	12	0.78 [8.0]
			9	GEN-656M-4MN3.7	3.7	0.25	23.2	0.8	18.5	0.74 [7.5]
	80	65	10	GEN-806M-4MN2.2	2.2	0.5	11.5	1.6	5.5	0.84 [8.6]
			11	GEN-806M-4MN3.7	3.7	0.5	18.2	1.6	9.5	0.78 [8.0]
125	100		12	GEN-806M-4MN5.5	5.5	0.5	23.2	1.6	15.2	0.74 [7.5]
			13	GEN-1256M-4MN3.7	3.7	1.0	11.8	2.8	4.2	0.84 [8.6]
			14	GEN-1256M-4MN5.5	5.5	1.0	15.2	2.8	8	0.81 [8.3]
			15	GEN-1256M-4MN7.5	7.5	1.0	19	3.15	9.2	0.77 [7.9]
			16	GEN-1256M-4MN11	11	1.0	24.2	3.15	16.2	0.73 [7.4]

Standard End Suction

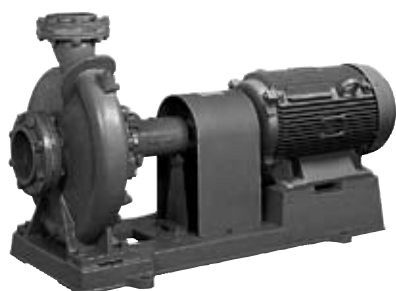
In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

GF-4M End suction centrifugal pump 4 pole



(Companion flanges are optional accessories)

Applications

- Cold and hot water circulation
- Cooling water for building and factory equipments
- Agriculture
- Industry
(Please inquire in case drinking water application)

Features

- Easy maintenance and inspection due to back pull out construction
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- Wide applications for various usages.
- Less vibration and quiet operation sound because of 4 pole motor revolution(1500min⁻¹/50Hz, 1800min⁻¹/60Hz)
- In accordance with Japanese Industrial Standard(JISB8313)
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller CAC702(AIBC2) or CAC406(BC6)
Shaft SUS420J2 or SUS403(portion contacting liquid) Casing FC
- Construction Impeller : Close
Shaft sealing : Gland packing
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

Standard accessories

Motor, Base, coupling, coupling cover, wedge

Maximum back pressure...Refer to Specification table

$$\left(1.37 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa or } 0.69 \text{ MPa}$$

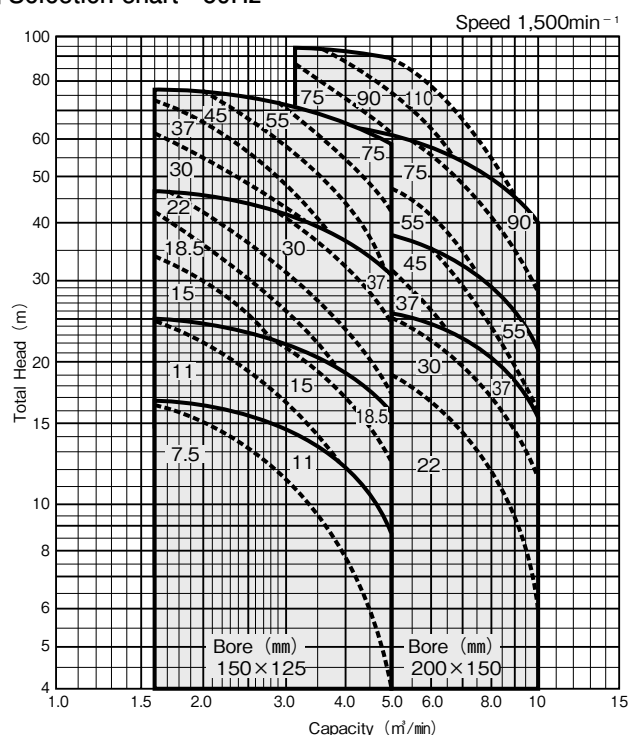
$$\left\{14 - \frac{\text{Total head at zero flow (m)}}{10}\right\} \text{ kgf/cm}^2 \text{ or } \{7\} \text{ kgf/cm}^2$$

either Lower pressure

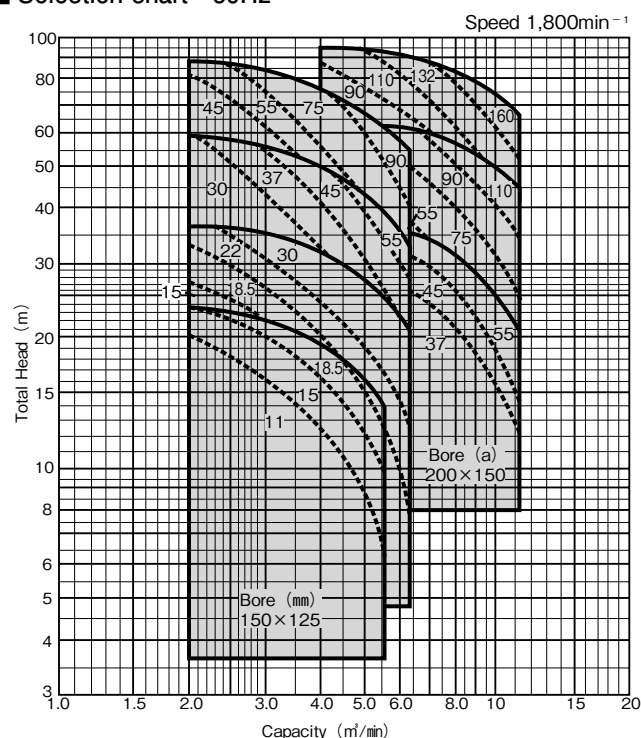
Maximum suction head

Standard models : Positive suction application only (more than 0.098 MPa {1kgf/cm²})
Negative suction and high back pressure application : Order made

Selection chart 50Hz



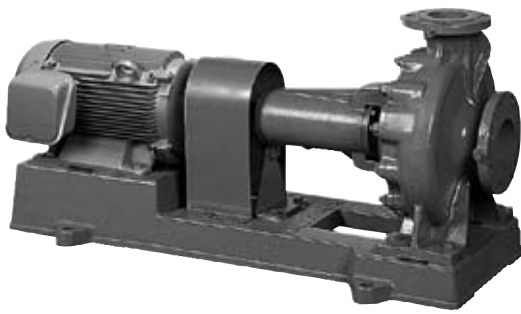
Selection chart 60Hz



Figures in the performance chart show motor kW

GD·GDF High back pressure end suction centrifugal pump

2 pole
4 pole

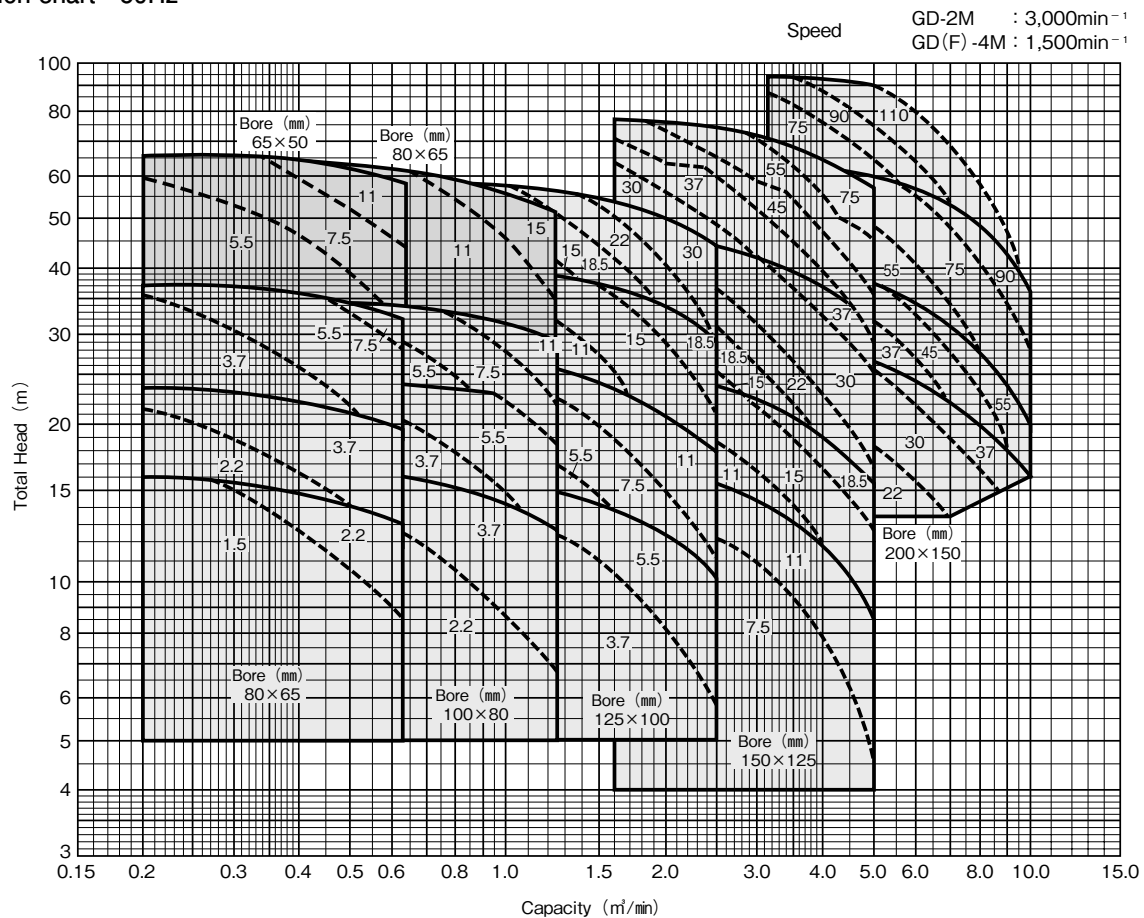


(Exclusive for positive suction application)

Maximum back pressure

GD 形	$\left(1.37 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa}$ $\left\{14 - \frac{\text{Total head at zero flow (m)}}{10}\right\} \text{ kgf/cm}^2$
GDF 形	More than 0.49MPa below 2.0MPa [more than 5kgf/cm ² below 20kgf/cm ²] (more than 0.49MPa below 1.6MPa ... bore 200mm models [more than 5kgf/cm ² below 16kgf/cm ²]) [Maximum pumping pressure 2.5MPa]below25kgf/cm ²]

Selection chart 50Hz



Figures in the performance chart show motor kW

2 pole GD-2M
4 pole GD(F) -4M

Applications

- Cooling water for building and factory equipments
- Cold and hot water circulation
- Air Conditioning
- Industry (Please inquire in case drinking water application)

Features

- High back pressure series adopting balance type mechanical seal for shaft sealing and FCD(cast ductile iron) material for casing.
- Easy maintenance and inspection due to back pull out construction
- Simple end suction top centerline discharge position enable steady installation with high discharge pipe loading
- High efficiency and wide applications for various usages.
- Less vibration and quiet operation sound.
- Evaluated item of [horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller CAC406(BC6) , CAC403(BC3) or CAC702(AIBC2)
Shaft SUS420J2
Casing FCD450
- Construction Impeller : Close
Shaft sealing : Balance type mechanical seal(SiC x carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K (GD series)
JIS20K (GDF series, JIS16K for suction side of bore 200mm models)

Standard accessories

Motor, Base, coupling, coupling cover

Standard End Suction

In Line

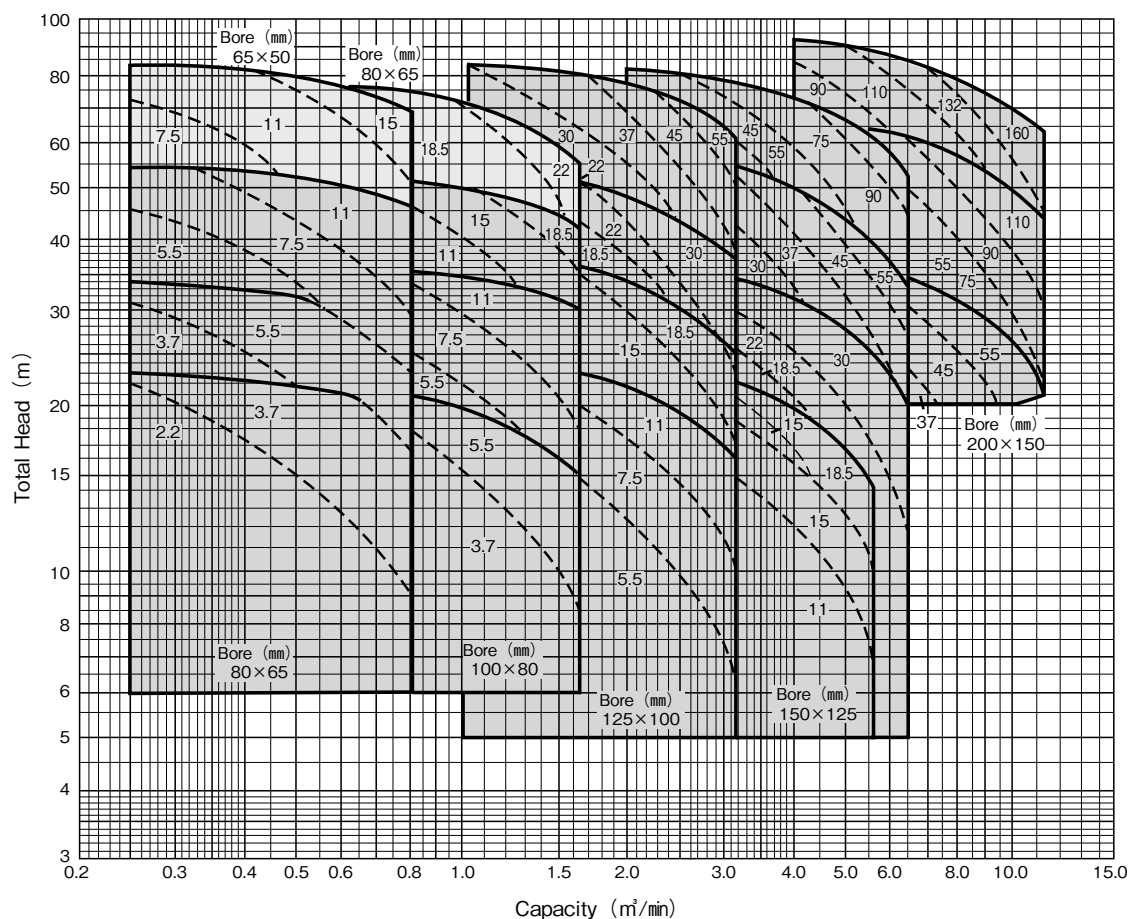
Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

■ Selection chart 60Hz

Speed
GD-2M : 3,600min⁻¹
GD (F) -4M : 1,800min⁻¹

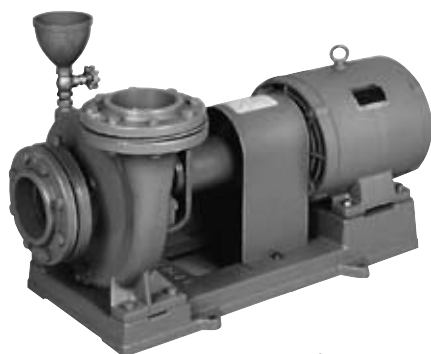


Figures in the performance chart show motor kW

2 pole	GD-2M
4 pole	GD (F) -4M

F End suction centrifugal pump

4 pole



(companion flanges are optional accessories)

Maximum back pressure

0.29Mpa[3.0Kgf/cm²]

Standard accessories

Motor, Base, coupling, coupling cover, air exhaust valve, priming funnel, priming valve

Applications

- Cold and hot water circulation
- Cooling water for building and factory equipments
- Agriculture (Please inquire in case drinking water application)

Features

- Easy maintenance and inspection because of back pull out construction

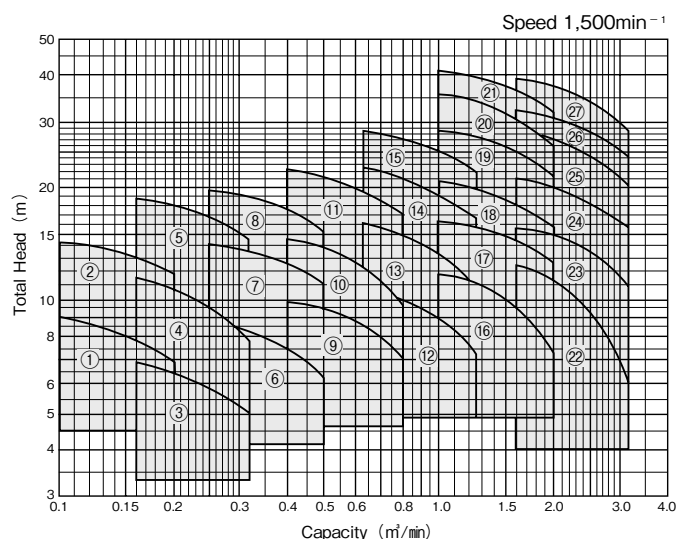
Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller FC or CAC406 (BC6), Shaft SUS403 Casing FC
- Shaft sealing Grand packing
- Flange JIS 10K (thin type)

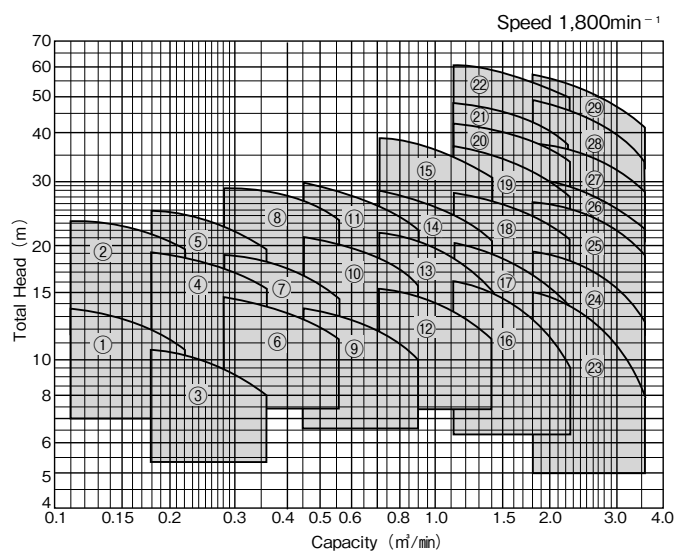
Maximum suction head (20°C)

Hz	Suction bore (mm)	suction 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)
60	150	— 5.5m (below 7.5kW :— 5m)
	below 100	— 6m (506-M0.75 :— 5.5m)
	125 · 150	— 5.5m (1506-M7.5 :— 5m)

Selection chart 50Hz



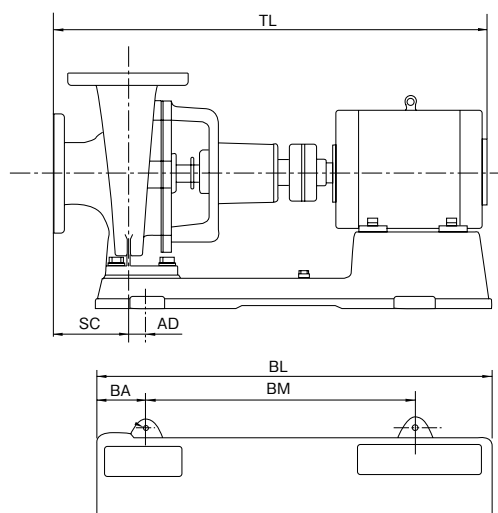
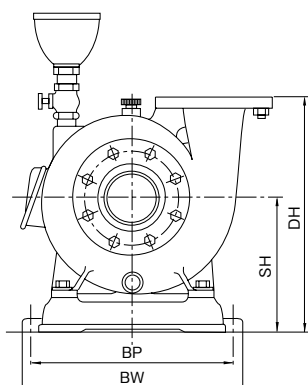
Selection chart 60Hz



Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Flange : JIS 10K thick type

(Companion flanges are optional accessories)



Continue to the next page

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

F

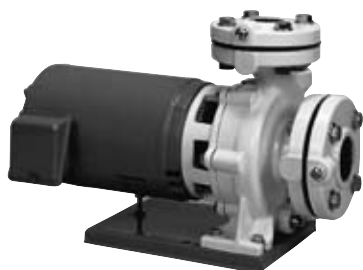
■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Hz	Bore mm	Ref No.	Model	Motor kW	Performance				Maximum Back pressure MPa [kgf/cm ²]	Dimensions (mm)										Weight kg	
					Capacity		Head														
					m ³ /min	m	m ³ /min	m		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD		
50	40	1	F-405-MN0.4	0.4	0.1	9	0.2	6.8	0.29 {3.0}	75	488	131	250	220	254	310	180	544	85	40	
		2	F-405-M0.75	0.75	0.1	14.2	0.2	11.8	0.29 {3.0}	75	524	136	250	250	284	360	200	547	85	49	
	50	3	F-505-MN0.4	0.4	0.16	6.8	0.32	5	0.29 {3.0}	80	488	131	250	220	254	305	180	549	85	41.5	
		4	F-505-M0.75	0.75	0.16	11.5	0.32	7.8	0.29 {3.0}	80	524	136	250	250	284	350	200	552	85	47.5	
		5	F-505-M1.5	1.5	0.16	18.8	0.32	14.5	0.29 {3.0}	80	589	171	250	250	284	385	225	627	115	61.5	
	65	6	F-655-M0.75	0.75	0.25	8.8	0.5	6.2	0.29 {3.0}	85	524	136	250	250	284	340	200	560	85	50	
		7	F-655-M1.5	1.5	0.25	14	0.5	11	0.29 {3.0}	85	577	163	280	250	284	365	205	635	113	59	
		8	F-655-M2.2	2.2	0.25	19.5	0.5	15.2	0.29 {3.0}	90	618	163	320	280	314	390	225	677	102	71	
	80	9	F-805-M1.5	1.5	0.4	9.8	0.8	7	0.29 {3.0}	90	577	143	280	250	284	360	205	645	118	59	
		10	F-805-M2.2	2.2	0.4	14.5	0.8	9.5	0.29 {3.0}	90	618	163	320	280	314	395	225	680	102	70	
		11	F-805-M3.7	3.7	0.4	22.2	0.8	17	0.29 {3.0}	95	698	193	320	310	344	420	235	752	125	98.5	
	100	12	F-1005-M2.2	2.2	0.63	10.5	1.25	7.2	0.29 {3.0}	100	618	163	320	280	314	385	225	697	112	71	
		13	F-1005-M3.7	3.7	0.63	16	1.25	10.8	0.29 {3.0}	100	698	193	320	310	344	410	235	767	130	102	
		14	F-1005-M5.5	5.5	0.63	22.5	1.25	16.5	0.29 {3.0}	100	785	189	400	340	386	458	268	834	123	128	
		15	F-1005-M7.5	7.5	0.63	28.2	1.25	22	0.29 {3.0}	100	822	209	400	340	386	498	288	894	140	155	
		16	F-1255-M3.7	3.7	1.0	11.8	2.0	7.2	0.29 {3.0}	105	700	193	320	310	344	445	255	792	135	112	
	125	17	F-1255-M5.5	5.5	1.0	16.2	2.0	12.5	0.29 {3.0}	105	785	189	400	340	386	458	268	854	128	125	
		18	F-1255-M7.5	7.5	1.0	20.5	2.0	15.5	0.29 {3.0}	105	822	209	400	340	386	498	288	919	145	163	
		19	F-1255-M11	11	1.0	28.5	2.0	21.5	0.29 {3.0}	110	951	214	500	380	426	528	308	1018	142	222	
		20	F-1255-M15	15	1.0	35.5	2.0	26	0.29 {3.0}	110	1003	224	550	400	446	588	328	1106	150	273	
		21	F-1255-M18.5	18.5	1.0	41	2.0	32	0.29 {3.0}	110	1003	224	550	400	446	588	328	1106	150	284	
	150	22	F-1505-M5.5	5.5	1.6	12.5	3.15	6	0.29 {3.0}	110	822	209	400	340	386	488	288	906	155	142	
		23	F-1505-M7.5	7.5	1.6	15.5	3.15	10.8	0.29 {3.0}	110	822	209	400	340	386	488	288	944	155	154	
		24	F-1505-M11	11	1.6	21	3.15	15.5	0.29 {3.0}	110	951	214	500	380	426	528	308	1043	152	231	
		25	F-1505-M15	15	1.6	28	3.15	20	0.29 {3.0}	115	1003	224	550	400	446	568	328	1121	150	256	
		26	F-1505-M18.5	18.5	1.6	32	3.15	24.5	0.29 {3.0}	115	1003	224	550	400	446	568	328	1121	150	270	
		27	F-1505-M22	22	1.6	38.5	3.15	28.5	0.29 {3.0}	115	1073	219	630	440	486	608	348	1164	140	322	

Hz	Bore mm	Ref No.	Model	Motor kW	Performance				Maximum Back pressure MPa [kgf/ cm ²]	Dimensions (mm)										Weight kg	
					Capacity		Head														
					m ³ /min	m	m ³ /min	m		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD		
60	40	1	F-406-M0.75	0.75	0.11	13.5	0.22	10.5	0.29 {3.0}	75	515	131	250	250	284	310	180	544	85	38	
		2	F-406-M1.5	1.5	0.11	23.2	0.22	19.5	0.29 {3.0}	75	564	156	250	250	284	360	200	601	105	53	
	50	3	F-506-M0.75	0.75	0.18	10.5	0.36	8	0.29 {3.0}	80	515	131	250	250	284	305	180	549	85	39	
		4	F-506-M1.5	1.5	0.18	19	0.36	15.2	0.29 {3.0}	80	564	156	250	250	284	350	200	606	105	51	
		5	F-506-M2.2	2.2	0.18	24.8	0.36	19.5	0.29 {3.0}	80	628	163	320	280	314	385	225	671	102	64	
	65	6	F-656-M1.5	1.5	0.28	14.5	0.56	11.2	0.29 {3.0}	85	564	156	250	250	284	340	200	614	105	52	
		7	F-656-M2.2	2.2	0.28	18.8	0.56	14.5	0.29 {3.0}	85	606	148	320	280	314	365	205	669	97	61	
		8	F-656-M3.7	3.7	0.28	28.8	0.56	23.2	0.29 {3.0}	90	632	158	320	310	344	390	225	695	102	80	
	80	9	F-806-M2.2	2.2	0.45	13.5	0.9	9.8	0.29 {3.0}	90	606	148	320	280	314	360	205	676	102	61	
		10	F-806-M3.7	3.7	0.45	21	0.9	15.5	0.29 {3.0}	90	632	158	320	310	344	395	225	698	102	80	
		11	F-806-M5.5	5.5	0.45	29.5	0.9	22	0.29 {3.0}	95	741	188	360	340	374	420	235	817	120	110	
	100	12	F-1006-M3.7	3.7	0.71	15.2	1.4	11.2	0.29 {3.0}	100	632	158	320	310	344	385	225	715	112	77	
		13	F-1006-M5.5	5.5	0.71	21.5	1.4	15.2	0.29 {3.0}	100	741	188	360	340	374	410	235	832	125	108	
		14	F-1006-M7.5	7.5	0.71	28	1.4	20.5	0.29 {3.0}	100	785	189	400	340	386	458	268	875	123	136	
		15	F-1006-M11	11	0.71	38.2	1.4	30.5	0.29 {3.0}	100	899	204	500	380	426	498	288	995	137	196	
		16	F-1256-M5.5	5.5	1.12	16	2.24	9.5	0.29 {3.0}	105	785	189	400	340	386	458	268	857	128	117	
	125	17	F-1256-M7.5	7.5	1.12	20	2.24	13.8	0.29 {3.0}	105	785	189	400	340	386	458	268	895	128	130	
		18	F-1256-M11	11	1.12	27.5	2.24	20.8	0.29 {3.0}	105	899	204	500	380	426	498	288	1023	143	203	
		19	F-1256-M15	15	1.12	36.5	2.24	27	0.29 {3.0}	110	951	214	500	380	426	528	308	1062	143	220	
		20	F-1256-M18.5	18.5	1.12	42	2.24	33.5	0.29 {3.0}	110	951	214	500	380	426	528	308	1062	143	230	
		21	F-1256-M22	22	1.12	47.5	2.24	36.5	0.29 {3.0}	110	1054	214	630	440	486	588	328	1217	140	300	
		22	F-1256-M30	30	1.12	60	2.24	49	0.29 {3.0}	110	1054	214	630	440	486	588	328	1217	140	321	
		23	F-1506-M7.5	7.5	1.8	14.8	3.55	7.5	0.29 {3.0}	110	822	209	400	340	386	488	288	948	155	142	
	150	24	F-1506-M11	11	1.8	19	3.55	12	0.29 {3.0}	110	899	204	500	380	426	488	288	1048	153	191	
		25	F-1506-M15	15	1.8	26	3.55	18.5	0.29 {3.0}	110	951	214	500	380	426	528	308	1087	153	222	
		26	F-1506-M18.5	18.5	1.8	30	3.55	22	0.29 {3.0}	110	951	214	500	380	426	528	308	1087	153	233	
		27	F-1506-M22	22	1.8	37	3.55	27.5	0.29 {3.0}	115	1013	214	630	440	486	568	328	1232	140	278	
		28	F-1506-M30	30	1.8	48.5	3.55	32.5	0.29 {3.0}	115	1073	219	630	440	486	608	348	1232	140	324	
		29	F-1506-M37	37	1.8	56.5	3.55	41	0.29 {3.0}	115	1105	219	630	480	526	608	348	1352	140	358	

GN-C Compact centrifugal pump

Preventing red discolourment of water
Nylon Coating 2 pole



Applications

- Preventing red discolourment water supply
- Cooling water
- Water supply to buildings and factories
- Small regional drinking water
- Other general water supply

Features

- Unique rust proof treatment(PAT.pending)
- Easier maintenance because of back pull out pump construction
- Smaller installation space and not necessary of centering because of close coupled type pump

Standard specifications

- Liquid Clean water 0 ~ 40°C
- Materials Impeller CAC406(BC6)
Shaft SUS304(portion contacting liquid)
Casing FC + Nylon coating
- Construction Impeller : Close
Shaft sealing : Mechanical seal(Ceramic x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Motor Drip proof, 200V/3 Phase
- Flange JIS 10K thin type

Standard accessories

Motor, Base, Companion flange

Maximum back pressure

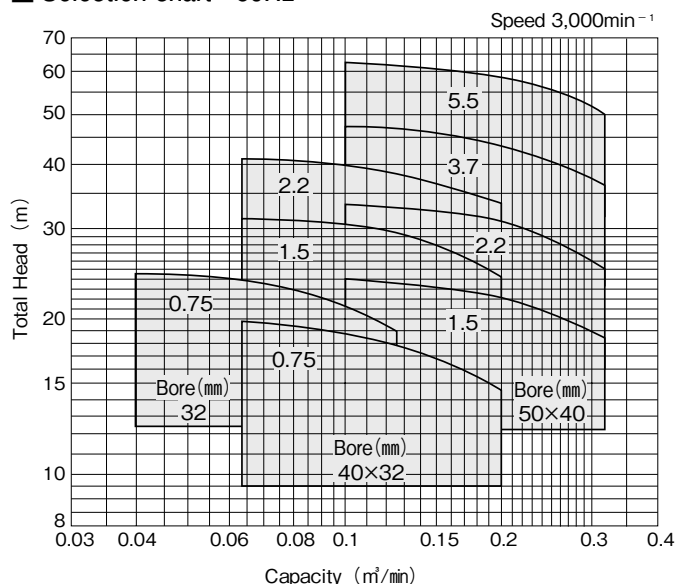
$$\left(0.49 \text{ (or } 0.69) - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa or } 0.049 \text{ MPa}$$

$$\left\{5 \text{ (or } 7) - \frac{\text{Total head at zero flow (m)}}{10}\right\} \text{ kgf/cm}^2 \text{ or } \{0.5\} \text{ kgf/cm}^2$$

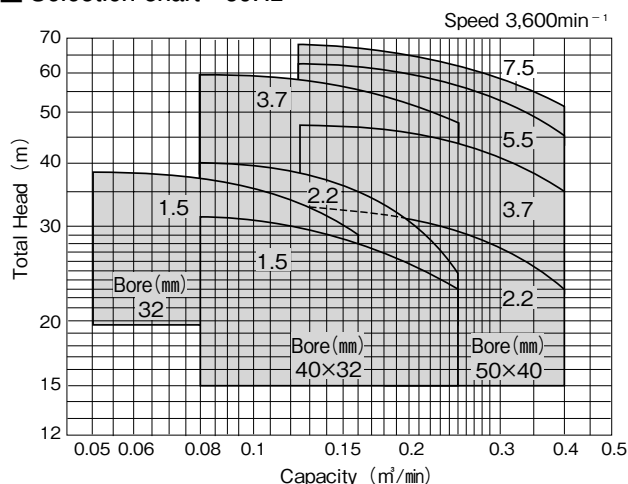
Maximum suction head

— 6m (20°C)

Selection chart 50Hz



Selection chart 60Hz



Figures in the performance chart show motor kW

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

PE(2) In Line Centrifugal Pump

2 pole



Applications

- Cold and hot water circulation
- Industry
- Setting for machinery equipment
- (Please inquire in case drinking water 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
- No rusting and easy maintenance because of rust proof materials (such as stainless steel for impeller, bolts and nuts) are used

Standard accessories

Companion flange

Maximum suction head (20°C)

Bore 20mm ~ 65mm	-6m
Bore 80mm	50Hz : -5.5m 60Hz : -3m

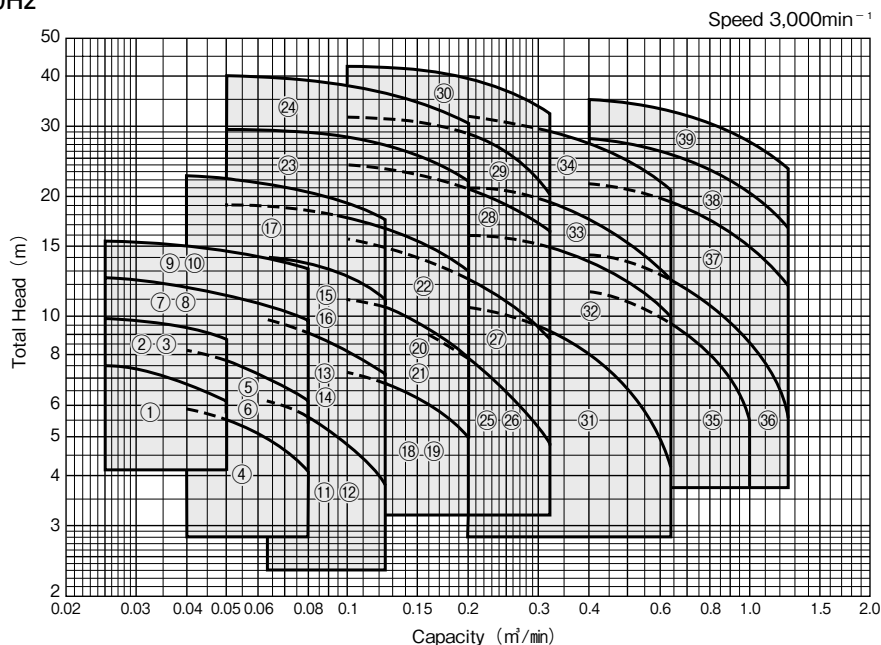
Standard specifications

- Liquid Clean water 0 ~ 90°C (Max 100°C)
- Materials Impeller SCS13
Shaft SUS304 (portion contacting liquid), Casing FC
- Construction Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor or outdoor
- Motor TEFC outdoor
- Flange Special flange (below bore 25mm models)
JIS10K thin type (over bore 32mm)

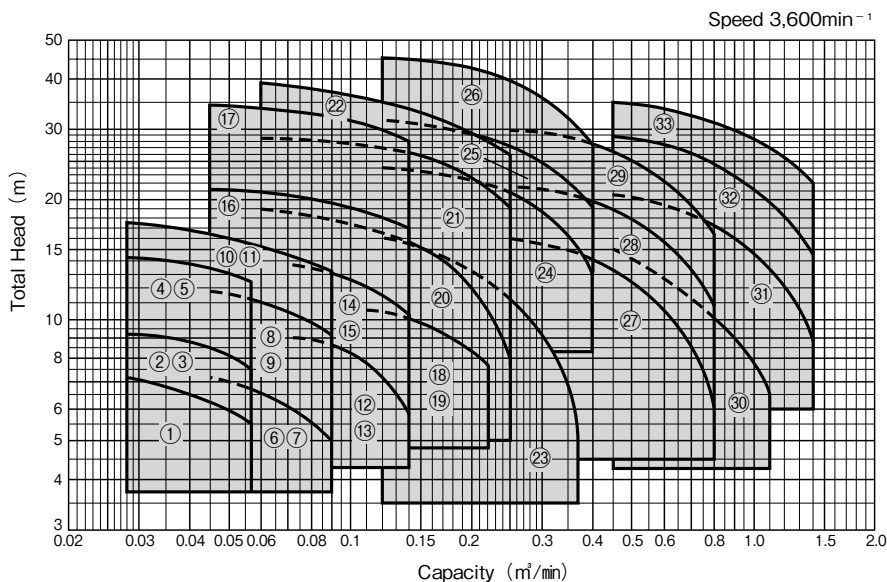
Maximum back pressure

Below 0.15kw	$0.5 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right) \text{ MPa} \left\{ 5.1 - \frac{\text{Total head at zero flow}}{10} \right\} \text{ kgf/cm}^2$
Above 0.25kw	$0.7 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right) \text{ MPa} \left\{ 7.1 - \frac{\text{Total head at zero flow}}{10} \right\} \text{ kgf/cm}^2$

Selection chart 50Hz



Selection chart 60Hz



PE(2)

■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Hz	Bore mm	Ref No.	Model	Motor kW	Performance			
					Capacity m ³ /min	Head m	Capacity m ³ /min	Head m
50	20	1	PE2-205-0.1S	0.1	0.025	7.5	0.05	6.2
		2	PE2-205-0.15S	0.15	0.025	9.8	0.05	8.8
		3	PE2-205-0.15T	0.15	0.025	9.8	0.05	8.8
	25	4	PE2-255-0.1S	0.1	0.04	5.8	0.08	4.2
		5	PE2-255-0.15S	0.15	0.04	8.2	0.08	6.2
		6	PE2-255-0.15T	0.15	0.04	8.2	0.08	6.2
		7	PE2-255-0.25S	0.25	0.025	12.5	0.08	9.8
		8	PE2-255-0.25T	0.25	0.025	12.5	0.08	9.8
		9	PE2-255-0.4S	0.4	0.025	15.5	0.08	13.2
		10	PE2-255-0.4T	0.4	0.025	15.5	0.08	13.2
	32	11	PE2-325-0.15S	0.15	0.063	6.2	0.125	3.8
		12	PE2-325-0.15T	0.15	0.063	6.2	0.125	3.8
		13	PE2-325-0.25S	0.25	0.063	9.8	0.125	7.2
		14	PE2-325-0.25T	0.25	0.063	9.8	0.125	7.2
		15	PE2-325-0.4S	0.4	0.063	14	0.125	11
		16	PE2-325-0.4T	0.4	0.063	14	0.125	11
		17	PE-325-0.75	0.75	0.04	22.5	0.125	17.5
	40	18	PE2-405-0.25S	0.25	0.1	7.2	0.2	5.0
		19	PE2-405-0.25T	0.25	0.1	7.2	0.2	5.0
		20	PE2-405-0.4S	0.4	0.1	11.0	0.2	7.8
		21	PE2-405-0.4T	0.4	0.1	11.0	0.2	7.8
		22	PE-405-0.75	0.75	0.05	19	0.2	13
		23	PE-405-1.5	1.5	0.05	29.8	0.2	22
		24	PE-405-2.2	2.2	0.05	40	0.2	30.5
	50	25	PE2-505-0.4S	0.4	0.16	9	0.32	4.8
		26	PE2-505-0.4T	0.4	0.16	9	0.32	4.8
		27	PE-505-0.75	0.75	0.1	15.8	0.32	8.5
		28	PE-505-1.5	1.5	0.1	24.5	0.32	16.5
		29	PE-505-2.2	2.2	0.1	31.5	0.32	20.5
		30	PE-505-3.7	3.7	0.1	42.5	0.32	32.5
	65	31	PE-655-0.75	0.75	0.2	10.5	0.63	4.2
		32	PE-655-1.5	1.5	0.2	16	0.63	10
		33	PE-655-2.2	2.2	0.2	21	0.63	12.5
		34	PE-655-3.7	3.7	0.2	31.8	0.63	20.5
	80	35	PE-805-1.5	1.5	0.4	11.5	1.0	5.5
		36	PE-805-2.2	2.2	0.4	14.2	1.25	5.5
		37	PE-805-3.7	3.7	0.4	21.5	1.25	11.8
		38	PE-805-5.5	5.5	0.4	28	1.25	16.5
		39	PE-805-7.5	7.5	0.4	35	1.25	23.8

- Antifreezer such as Nybrine Z-1, GD brine 950 and Showbrine PP super of 30 ~ 50% and 0 ~ 90°C can be used for this mechanical seal.
- PE2-S models are with single phase 100V motor.

■ Outline dimension drawing

Refer to P24, 25.

Hz	Bore mm	Ref No.	Model	Motor kW	Performance			
					Capacity m ³ /min	Head m	Capacity m ³ /min	Head m
60	20	1	PE2-206-0.1S	0.1	0.028	7.2	0.056	5.5
		2	PE2-206-0.15S	0.15	0.028	9.2	0.056	7.5
		3	PE2-206-0.15T	0.15	0.028	9.2	0.056	7.5
		4	PE2-206-0.25S	0.25	0.028	14.2	0.056	12.5
		5	PE2-206-0.25T	0.25	0.028	14.2	0.056	12.5
	25	6	PE2-256-0.15S	0.15	0.045	7.2	0.09	5
		7	PE2-256-0.15T	0.15	0.045	7.2	0.09	5
		8	PE2-256-0.25S	0.25	0.045	11.8	0.09	9.2
		9	PE2-256-0.25T	0.25	0.045	11.8	0.09	9.2
		10	PE2-256-0.4S	0.4	0.028	17.5	0.09	13.2
		11	PE2-256-0.4T	0.4	0.028	17.5	0.09	13.2
	32	12	PE2-326-0.25S	0.25	0.071	9	0.14	6.2
		13	PE2-326-0.25T	0.25	0.071	9	0.14	6.2
		14	PE2-326-0.4S	0.4	0.071	14	0.14	10.2
		15	PE2-326-0.4T	0.4	0.071	14	0.14	10.2
		16	PE-326-0.75	0.75	0.045	21.8	0.14	17
		17	PE-326-1.5	1.5	0.045	34	0.14	28
	40	18	PE2-406-0.4S	0.4	0.11	10.5	0.22	7.8
		19	PE2-406-0.4T	0.4	0.11	10.5	0.22	7.8
		20	PE-406-0.75	0.75	0.06	19	0.25	8
		21	PE-406-1.5	1.5	0.06	28.5	0.25	19
		22	PE-406-2.2	2.2	0.06	39	0.25	26
		23	PE-506-0.75	0.75	0.12	16.5	0.36	5.2
	50	24	PE-506-1.5	1.5	0.12	24	0.4	13
		25	PE-506-2.2	2.2	0.12	31.5	0.4	19
		26	PE-506-3.7	3.7	0.12	45	0.4	27.5
	65	27	PE-656-1.5	1.5	0.25	15.8	0.8	6
		28	PE-656-2.2	2.2	0.25	21.5	0.8	11
		29	PE-656-3.7	3.7	0.25	29.5	0.8	16.5
	80	30	PE-806-2.2	2.2	0.45	15	1.1	6.5
		31	PE-806-3.7	3.7	0.45	20.5	1.4	8.8
		32	PE-806-5.5	5.5	0.45	29	1.4	14.5
		33	PE-806-7.5	7.5	0.45	35.0	1.4	22.0

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

PSS(2) Stainless Steel In Line Centrifugal Pump

Petit Line® below 0.4kW
Stainless Steel P Line over 0.75kW
2 pole



Applications

- Cold and hot water circulation
- Water supply to buildings
- Industry
- Hot water supply
- Setting for machinery equipment
- Other general water supply

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

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller SCS13
Shaft SUS304, Casing SCS13
- Construction Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor or outdoor
- Motor TEFC outdoor
- Flange Special flange

Maximum back pressure

Below 0.15kW	$0.5 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right) \text{ MPa}$	$\left[5.1 - \frac{\text{Total head at zero flow}}{10} \right] \text{ kgf/cm}^2$
0.25kW~0.4kW	$0.7 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right) \text{ MPa}$	$\left[7.1 - \frac{\text{Total head at zero flow}}{10} \right] \text{ kgf/cm}^2$
Over 0.75kW	$1 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right) \text{ MPa}$	$\left[10.2 - \frac{\text{Total head at zero flow}}{10} \right] \text{ kgf/cm}^2$

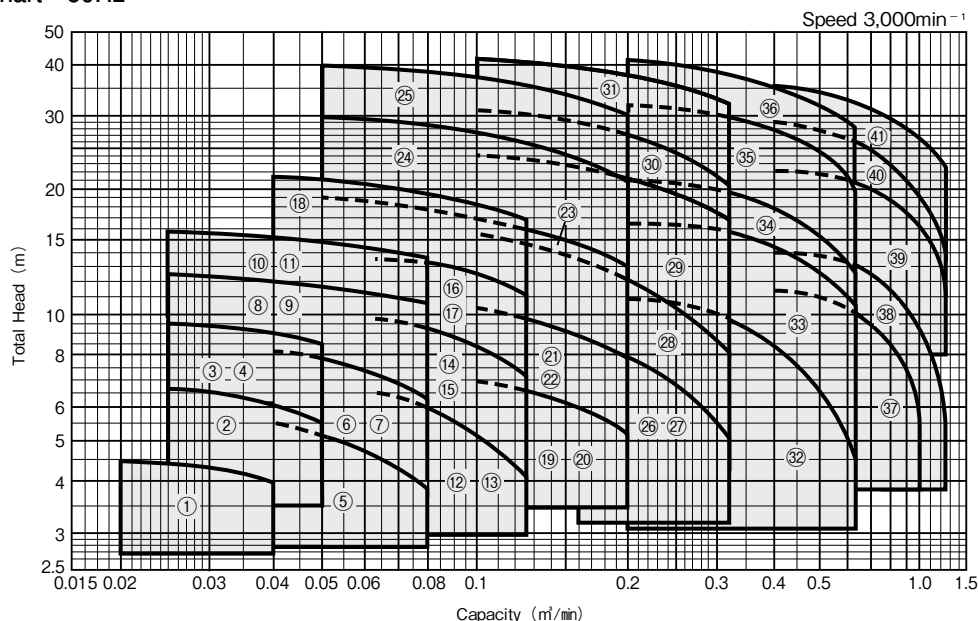
Maximum suction head (20°C)

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

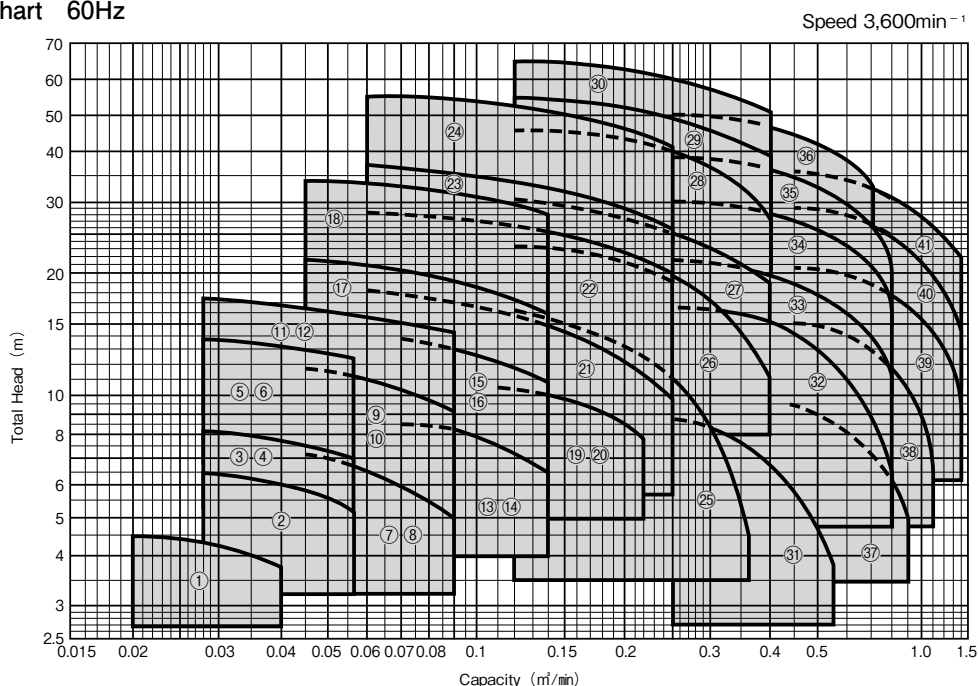
Standard accessories

Companion flange

Selection chart 50Hz



Selection chart 60Hz



PSS(2)

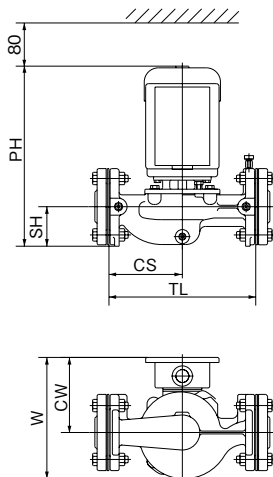
■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Hz	Bore mm	Ref No.	Model	Motor kW	Performance			
					Capacity	Head	Capacity	Head
					m ³ /min	m	m ³ /min	m
50	20	1	PSS2-205-0.06S	0.06	0.02	4.5	0.04	4.0
		2	PSS2-205-0.1S	0.1	0.025	6.8	0.05	5.5
		3	PSS2-205-0.15S	0.15	0.025	9.5	0.05	8.5
		4	PSS2-205-0.15T	0.15	0.025	9.5	0.05	8.5
		5	PSS2-255-0.1S	0.1	0.04	5.5	0.08	3.8
		6	PSS2-255-0.15S	0.15	0.04	8.2	0.08	6.2
	25	7	PSS2-255-0.15T	0.15	0.04	8.2	0.08	6.2
		8	PSS2-255-0.25S	0.25	0.025	12.5	0.08	10.5
		9	PSS2-255-0.25T	0.25	0.025	12.5	0.08	10.5
		10	PSS2-255-0.4S	0.4	0.025	15.8	0.08	13.8
		11	PSS2-255-0.4T	0.4	0.025	15.8	0.08	13.8
		12	PSS2-325-0.15S	0.15	0.063	6.5	0.125	4.2
	32	13	PSS2-325-0.15T	0.15	0.063	6.5	0.125	4.2
		14	PSS2-325-0.25S	0.25	0.063	9.5	0.125	7.2
		15	PSS2-325-0.25T	0.25	0.063	9.5	0.125	7.2
		16	PSS2-325-0.4S	0.4	0.063	13.5	0.125	11.2
		17	PSS2-325-0.4T	0.4	0.063	13.5	0.125	11.2
		18	PSS-325-0.75	0.75	0.04	21.5	0.125	17.5
	40	19	PSS2-405-0.25S	0.25	0.1	7.2	0.2	5.2
		20	PSS2-405-0.25T	0.25	0.1	7.2	0.2	5.2
		21	PSS2-405-0.4S	0.4	0.1	10.8	0.2	7.8
		22	PSS2-405-0.4T	0.4	0.1	10.8	0.2	7.8
		23	PSS-405-0.75	0.75	0.05	19	0.2	13
		24	PSS-405-1.5	1.5	0.05	29.5	0.2	21
50	50	25	PSS-405-2.2	2.2	0.05	40	0.2	30.5
		26	PSS2-505-0.4S	0.4	0.16	8.8	0.32	5.2
		27	PSS2-505-0.4T	0.4	0.16	8.8	0.32	5.2
		28	PSS-505-0.75	0.75	0.1	15.8	0.32	8.5
		29	PSS-505-1.5	1.5	0.1	24.5	0.32	16.5
		30	PSS-505-2.2	2.2	0.1	31.5	0.32	20.5
	65	31	PSS-505-3.7	3.7	0.1	42.5	0.32	32.5
		32	PSS-655-0.75	0.75	0.2	10.8	0.63	4.5
		33	PSS-655-1.5	1.5	0.2	16.2	0.63	10.5
		34	PSS-655-2.2	2.2	0.2	21	0.63	12.5
		35	PSS-655-3.7	3.7	0.2	31.8	0.63	20.5
		36	PSS-655-5.5	5.5	0.2	41	0.63	28
	80	37	PSS-805-1.5	1.5	0.4	11.5	1	5.5
		38	PSS-805-2.2	2.2	0.4	14.2	1.25	5.5
		39	PSS-805-3.7	3.7	0.4	22.2	1.25	11.5
		40	PSS-805-5.5	5.5	0.4	29	1.25	14
		41	PSS-805-7.5	7.5	0.4	35.5	1.25	22.5

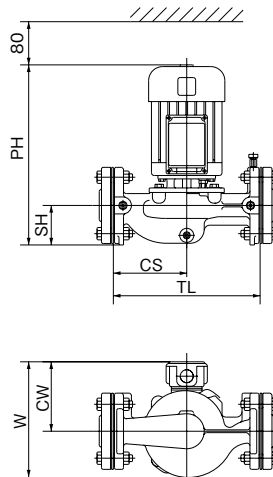
- Antifreezer such as Nybrine Z-1, GD brine 950 and Showbrine PP super of 30 ~ 50% and 0 ~ 90°C can be used for this mechanical seal.
- PSS2-S models are with single phase 100V motor.

■ Outline dimension drawing Inquire specification sheets and drawings in case of actual work planning

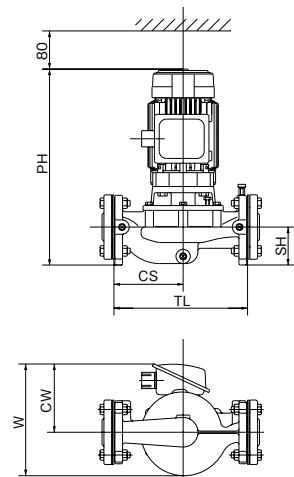
- PE2-S (Single phase)
PSS2-S (Single phase)



- PE2-T (Three phase)
PSS2-T (Three phase)



- PE ((Three phase)
PSS 形 (Three phase)



Standard End Suction

In Line

Stainless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

PE(2)·PSS(2)

■ PE(2)

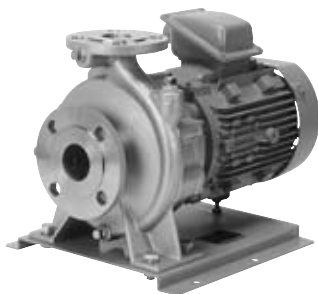
Hz	Bore mm	Motor kW	Dimensions (mm)						Weight kg	Flange figure
			PH	SH	TL	CS	W	CW		
50	20	0.1S	279	46	180	85	198	133	11	Rhombic
		0.15S	279	46	180	85	200	133	11.5	
		0.15T	279	46	180	85	190	123	11	
	25	0.1S	279	46	180	85	198	133	11	Square
		0.15S	278	45	220	110	213	133	12.5	
		0.15T	278	45	220	110	203	123	12	
		0.25S	299	45	220	110	213	133	14	
		0.25T	278	45	220	110	203	123	12.5	
		0.4S	299	45	220	110	213	133	16	
		0.4T	299	45	220	110	203	123	15	
	32	0.15S	298	70	260	130	215	133	17.5	
		0.15T	298	70	260	130	205	123	17	
		0.25S	319	70	260	130	215	133	18.5	
		0.25T	298	70	260	130	205	123	17	
		0.4S	319	70	260	130	215	133	20.5	
		0.4T	319	70	260	130	205	123	19.5	
		0.75	421	80	280	145	233	143	27	
	40	0.25S	328	75	260	130	215	133	19.5	
		0.25T	307	75	260	130	205	123	18	
		0.4S	328	75	260	130	215	133	22	
		0.4T	328	75	260	130	205	123	21	
		0.75	428	87	300	150	235	143	28	
		1.5	456	87	340	175	266	155	37	
		2.2	446	87	340	175	278	167	41	
	50	0.4S	338	80	290	145	215	133	23.5	Round
		0.4T	338	80	290	145	205	123	22.5	
		0.75	440	95	315	160	237	143	29	
		1.5	469	95	315	160	249	155	35	
		2.2	460	95	340	175	287	167	45	
		3.7	500	95	340	175	287	167	52	
		0.75	446	100	340	170	247	143	32	
	65	1.5	475	100	340	170	259	155	39	
		2.2	465	100	340	170	273	167	47	
		3.7	505	100	340	175	290	167	56	
		5.5	590	110	390	200	329	194	75	
	80	7.5	610	110	390	200	340	205	98	

Hz	Bore	Motor	Dimensions (mm)						Weight	Flange figure
	mm	kW	PH	SH	TL	CS	W	CW	kg	
60	20	0.1S	279	46	180	85	198	133	11	Rhombic
		0.15S	279	46	180	85	198	133	11.5	
		0.15T	279	46	180	85	188	123	11	
		0.25S	300	46	180	85	200	133	12.5	
		0.25T	279	46	180	85	190	123	11	
	25	0.15S	278	45	220	110	213	133	12.5	Square
		0.15T	278	45	220	110	203	123	12	
		0.25S	299	45	220	110	213	133	14	
		0.25T	278	45	220	110	203	123	12.5	
		0.4S	299	45	220	110	213	133	16	
		0.4T	299	45	220	110	203	123	15	
		0.25S	319	70	260	130	215	133	18.5	
	0.25T	298	70	260	130	205	123	17		
	0.4S	319	70	260	130	215	133	20.5		
	0.4T	319	70	260	130	205	123	19.5		
	0.75	421	80	260	135	220	143	27		
	40	1.5	450	80	280	145	245	155	33	Round
		0.4S	328	75	260	130	215	133	22	
		0.4T	328	75	260	130	205	123	21	
		0.75	428	87	300	150	235	143	29	
		1.5	457	87	300	150	247	155	34	
		2.2	446	87	340	175	278	167	41	
		0.75	440	95	315	160	237	143	28	
	1.5	469	95	315	160	249	155	35		
	2.2	459	95	315	160	261	167	38		
	3.7	500	95	340	175	287	167	51		
	1.5	475	100	340	170	259	155	39	65	
	2.2	465	100	340	170	271	167	42		
	3.7	505	100	340	170	273	167	53		
	80	2.2	485	110	370	190	290	167	52	Round
		3.7	525	110	370	190	290	167	59	
		5.5	590	110	390	200	325	194	74	
		7.5	610	110	390	200	336	205	97	

■ PSS(2)

Hz	Bore mm	Motor	Dimensions (mm)							Weight	Flange figure	
		kW	PH	SH	TL	CS	W	CW	kg			
50	20	0.06S	264	33	150	75	183	133	8	Rhombic		
		0.1S	274	40	220	110	213	133	10.5			
		0.15S	274	40	220	110	213	133	11			
		0.15T	274	40	220	110	201	123	10.5			
	25	0.1S	274	40	220	110	213	133	10.5	Square		
		0.15S	274	40	220	110	213	133	11			
		0.15T	274	40	220	110	202	123	10.5			
		0.25S	295	40	220	110	213	133	12.5			
		0.25T	274	40	220	110	202	123	11			
		0.4S	295	40	220	110	213	133	14			
		0.4T	295	40	220	110	202	123	13			
	32	0.15S	279	45	220	110	217	133	12		Round	
		0.15T	279	45	220	110	207	123	11.5			
		0.25S	300	45	220	110	217	133	13			
		0.25T	279	45	220	110	207	123	11.5			
		0.4S	300	45	220	110	217	133	15			
		0.4T	300	45	220	110	207	123	14			
	40	0.75	411	70	260	130	234	143	25			Square
		0.25S	308	50	220	110	214	133	13.5			
		0.25T	287	50	220	110	204	123	12			
		0.4S	308	50	220	110	214	133	16			
		0.4T	308	50	220	110	204	123	15			
		0.75	416	75	260	130	238	143	25			
		1.5	444	75	280	140	263	155	34			
	50	2.2	434	75	280	140	275	167	37	Round		
		0.4S	317	55	220	110	218	133	16.5			
		0.4T	317	55	220	110	208	123	15.5			
		0.75	425	80	260	130	238	143	27			
		1.5	454	80	260	130	250	155	34			
	65	2.2	445	80	280	140	278	167	39		Square	
		0.75	446	100	340	170	247	143	32			
		1.5	475	100	340	170	259	155	38			
		2.2	465	100	340	170	273	167	44			
	80	3.7	505	100	340	175	290	167	52			Round
		1.5	495	110	370	190	278	155	44			
		2.2	485	110	370	190	290	167	48			
		3.7	530	110	390	200	298	167	56			

GES-C Stainless Steel Centrifugal Pump 2 pole



Maximum back pressure

$$\left(0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10}\right) \text{ MPa}$$

$$\left(10 - \frac{\text{Total head at zero flow (m)}}{10}\right) \text{ kgf/cm}^2$$

Applications

- Cooling water supply
- Water supply to buildings
- General Industry
- Cold and hot water circulation
- Small regional drinking water
- Agriculture
- Other general water supply

Features

- Compact, light weight and less installation space
- Easy maintenance and inspection because of back pull out construction
- High efficiency and excellent pump performance. High back pressure provided excellent suction performance.
- Strong against warp or pull because main component parts are made by durable precision cast stainless steel.
- Maintenance is easy because Long life mechanical seal is adopted for shaft sealing and compact monoblock construction.
- Evaluated item of [Horizontal centrifugal pump] by (C)Public Buildings Association., Ltd.

Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller SCS14
Shaft SUS304, Casing SCS13
- Construction Impeller : Close
Shaft sealing : Mechanical seal (Ceramic x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Motor TEFC outdoor
- Flange JIS 10K

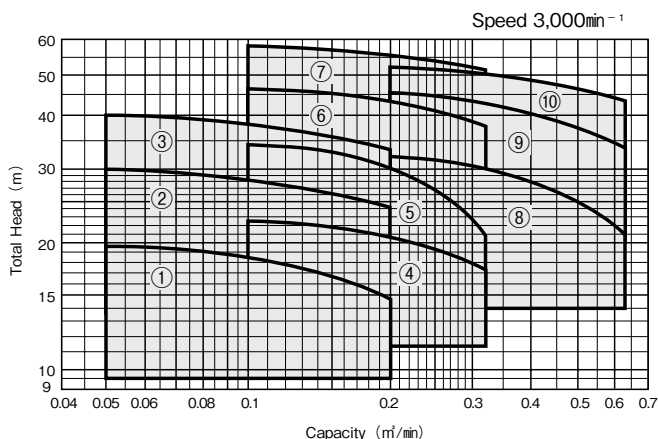
Standard accessories

Motor, base

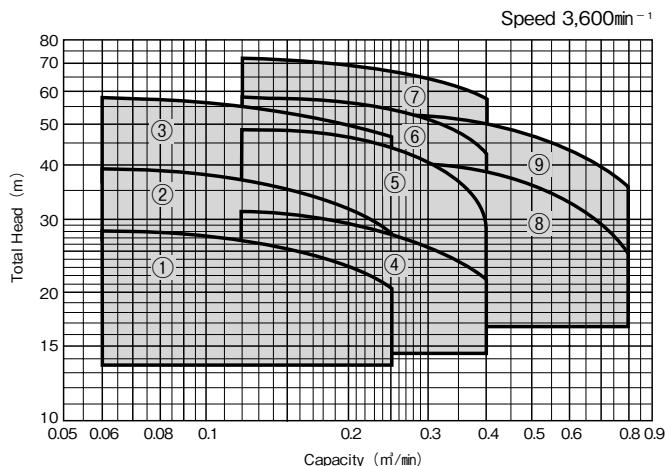
Maximum suction head (20°C)

— 6m

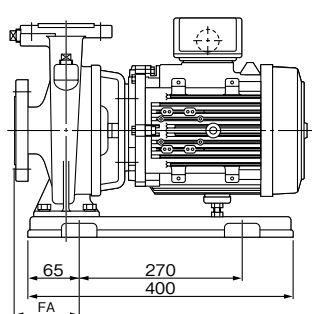
Selection chart 50Hz



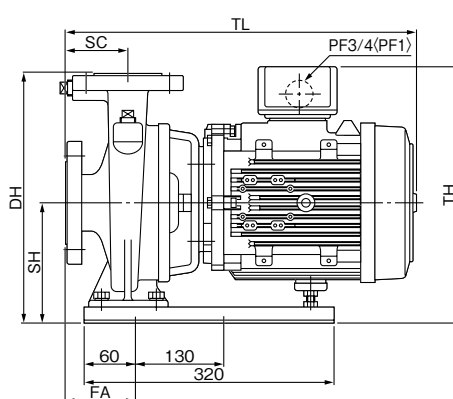
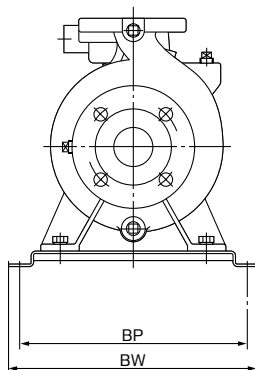
Selection chart 60Hz



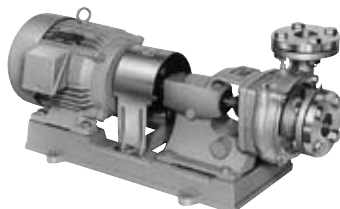
Outline dimension drawing Inquire specification sheets and drawings in case of actual work planning



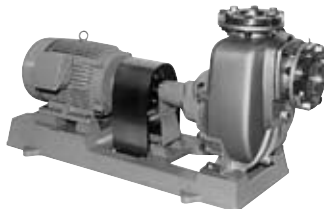
over 3.7kW



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



2 pole stainless steel centrifugal pump



2 pole stainless steel self-priming centrifugal pump

GES-C

■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Hz	Bore mm	Bore mm	Ref No.	Model	Motor kW	Performance				Maximum Back pressure MPa [kgf/cm ²]	Dimensions (mm)								Weight kg
						Capacity m ³ /min	Head m	Capacity m ³ /min	Head m		SC	TL	DH	SH	FA	TH	BP	BW	
50	40	32	1	GES-40S-C0.75	0.75	0.05	19.5	0.2	14.5	0.77 [7.9]	65	414	272	132	87	275	230	260	25
			2	GES-40S-C1.5	1.5	0.05	30	0.2	24	0.68 [6.9]	80	452	312	152	80	—	290	320	35
			3	GES-40S-C2.2	2.2	0.05	40	0.2	33	0.57 [5.8]	80	445	312	152	80	319	290	320	39
	50	40	4	GES-50S-C1.5	1.5	0.1	22.5	0.32	17	0.74 [7.5]	80	457	272	132	80	287	230	260	34
			5	GES-50S-C2.2	2.2	0.1	33.5	0.32	20.5	0.64 [6.5]	80	450	312	152	80	319	290	320	41
			6	GES-50S-C3.7	3.7	0.1	45.5	0.32	37.5	0.51 [5.2]	80	490	327	167	85	334	290	324	49
			7	GES-50S-C5.5	5.5	0.1	57	0.32	50	0.39 [4.0]	80	555	375	195	85	389	290	324	69
	65	50	8	GES-65S-C3.7	3.7	0.2	32.5	0.63	21	0.66 [6.7]	80	490	327	167	85	334	290	324	50
			9	GES-65S-C5.5	5.5	0.2	45	0.63	34	0.53 [5.4]	100	575	375	195	105	389	350	384	71
			10	GES-65S-C7.5	7.5	0.2	52	0.63	43	0.46 [4.7]	100	595	375	195	105	400	350	384	94
60	40	32	1	GES-406-C1.5	1.5	0.06	28	0.25	20.5	0.69 [7.0]	65	440	272	132	87	287	230	260	31
			2	GES-406-C2.2	2.2	0.06	39	0.25	27.5	0.59 [6.0]	80	445	312	152	80	319	290	320	39
			3	GES-406-C3.7	3.7	0.06	57	0.25	46.5	0.40 [4.1]	80	485	327	167	85	334	290	324	47
	50	40	4	GES-506-C2.2	2.2	0.12	31	0.4	21.5	0.65 [6.6]	80	450	272	132	80	299	230	260	38
			5	GES-506-C3.7	3.7	0.12	47.5	0.4	28.5	0.48 [4.9]	80	490	327	167	85	334	290	324	49
			6	GES-506-C5.5	5.5	0.12	56.5	0.4	43	0.41 [4.2]	80	555	355	195	85	389	290	324	64
			7	GES-506-C7.5	7.5	0.12	71	0.4	57.5	0.25 [2.5]	80	575	375	195	85	400	290	324	91
	65	50	8	GES-656-C5.5	5.5	0.25	40.5	0.8	25	0.58 [5.9]	80	555	355	195	85	389	290	324	65
			9	GES-656-C7.5	7.5	0.25	52	0.8	36	0.46 [4.7]	80	575	355	195	85	400	290	324	88

Stainless Steel

GRM Magnet Coupling Pump 2 pole



■ Applications

- Chemical industry
- Pharmaceutical industry
- Medicine Industry
- Water treatment
- Electronics industry
- Research and development
- Other various industry and plant

■ Features

- Sealless construction of magnet coupling
- Excellent corrosion resistance and long life
Pump main materials : SCS14, SUS316
- Easy maintenance and inspection because of back pull out construction

■ Standard specifications

- Liquid Please inquire to us or our distributors by each application
- Materials Impeller, Casing, Cover SCS14
Shaft SUS316
- Construction Pump + motor : Magnet coupling sealless construction
- Installation Indoor
- Motor TEFC indoor
- Flange JIS 10K

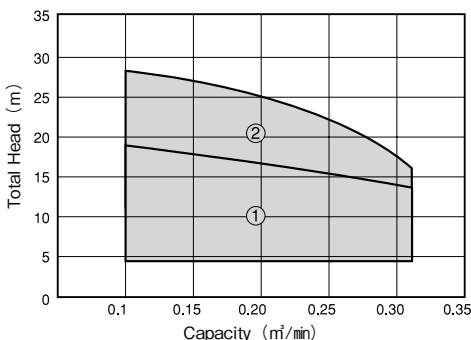
■ Standard accessories

Motor, base

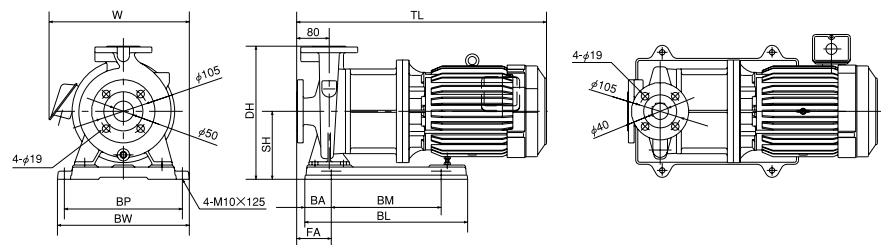
■ Maximum back pressure

0.98Mpa[10kgf/cm²] — pump pressure at zero (0) flow

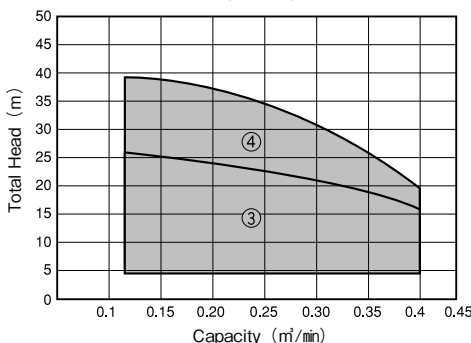
■ Selection chart (50Hz) In case clean water



■ Outline dimension drawing Inquire specification sheets and drawings in case of actual work planning

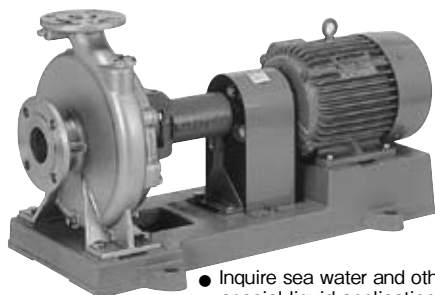


■ Selection chart (60Hz) In case clean water



周波数	Bore	Bore	Ref	Model	Motor	Performance				Dimensions (mm)										Weight
	Hz	mm	mm			No.	Capacity	Head	Capacity	Head	TL	DH	SH	W	BL	BA	BM	BP	BW	
					kW		m³/min	m	m³/min	m										
50	50	40	1	GRM50M2.2	2.2	0.1	18.2	0.32	13	527	272	132	288	360	60	240	230	260	41	
	50	40	2	GRM50M3.7	3.7	0.1	27.8	0.32	16.5	611	327	167	342	400	65	270	290	324	69	
60	50	40	3	GRM50M2.2	2.2	0.12	25.5	0.4	16.2	527	272	132	288	360	60	240	230	260	41	
	50	40	4	GRM50M3.7	3.7	0.12	39.2	0.4	19.8	611	327	167	342	400	65	270	290	324	69	

GES-4M Stainless Steel Centrifugal Pump 4 pole



- Inquire sea water and other special liquid applications

Maximum back pressure

$$0.98 - \frac{\text{Total head at zero flow (m)} \times 0.098}{10} \text{ MPa} \quad \left| 10 - \frac{\text{Total head at zero flow (m)}}{10} \right| \text{ kgf/cm}^2$$

Maximum suction head (20°C)

— 6m

Applications

- Water supply to buildings
- Cold and hot water circulation
- Food, beverage, liquor industry
- Simple city water
- Cooling water
- Special kind liquid
- Other general water supply

Features

- Sanitary and clean due to stainless material are used for portion contacting liquid
- Maintenance is easy because Long life mechanical seal is adopted for shaft sealing
- Easy maintenance and inspection because of back pull out construction
- 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.

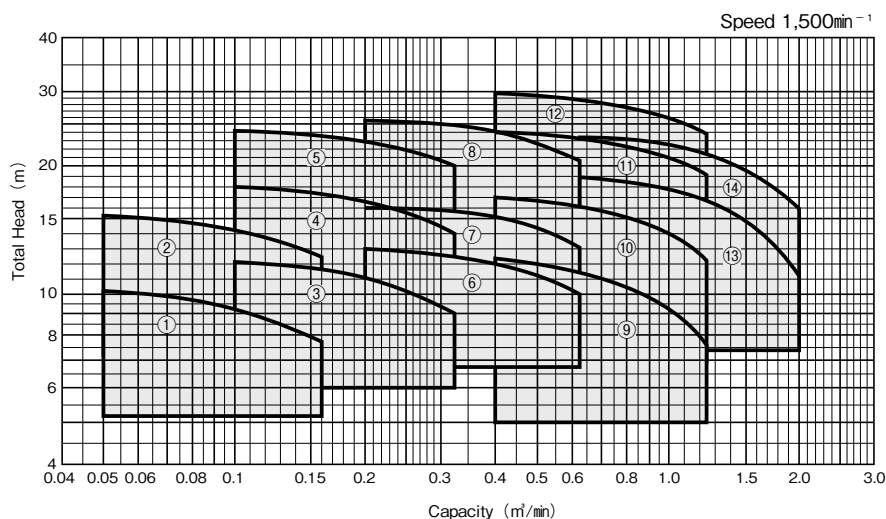
Standard specifications

- Liquid Clean water 0 ~ 90°C
- Materials Impeller SCS14
Shaft SUS316 (portion contacting water), Casing SCS13
- Construction Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K

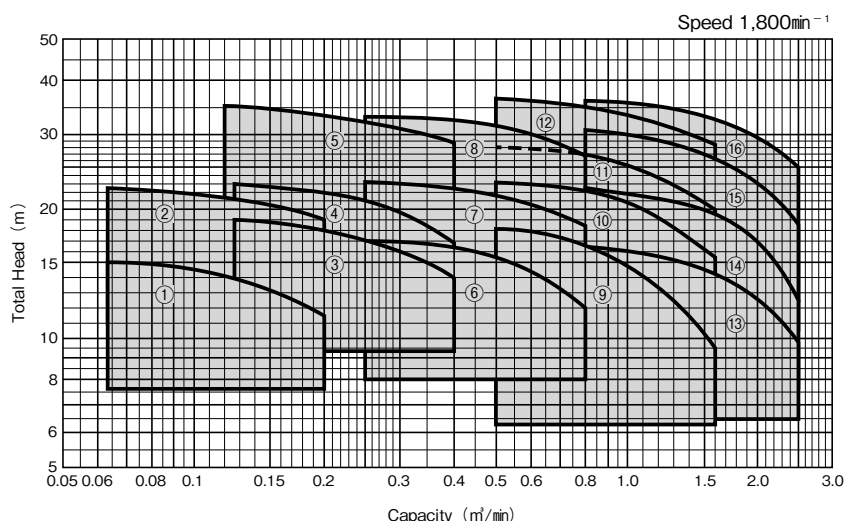
Standard accessories

Motor, base, coupling, coupling cover

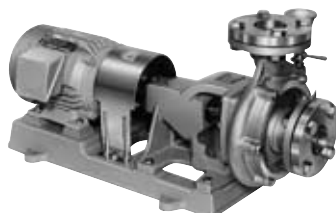
Selection chart 50Hz



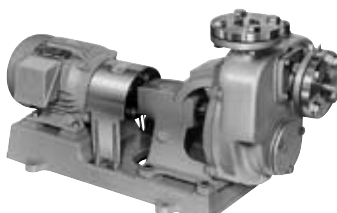
Selection chart 60Hz



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



4 pole stainless steel centrifugal pump



4 pole stainless steel self-priming centrifugal pump

Standard End Suction

In Line

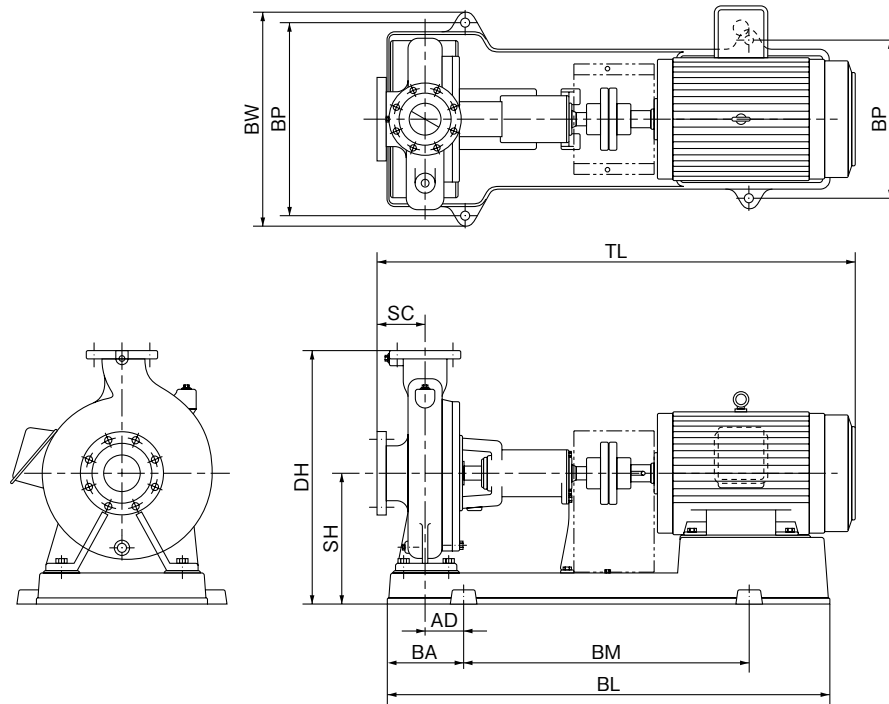
Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories

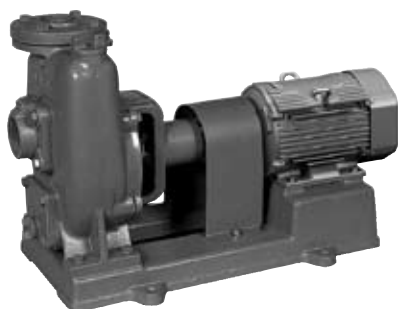
GES-4M

■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning



Hz	Suction Bore	Discharge Bore	Ref No.	Model	Motor kW	Performance				Maximum Back pressure MPa [kgf/cm ²]	Dimensions (mm)										Weight kg
	mm	mm				Capacity m ³ /min	Head m	Capacity m ³ /min	Head m		SC	BL	BA	BM	BP	BW	DH	SH	TL	AD	
50	40	32	1	GES-405M-4M0.4	0.4	0.05	10.2	0.16	7.8	0.98MPa {10kgf/cm ² } — Pump pressure at zero (0) flow	80	654	112	420	290	336	395	215	681	45	53
			2	GES-405M-4M0.75	0.75	0.05	15.2	0.16	12.5		80	733	122	480	290	336	395	215	746	55	65
	50	40	3	GES-505M-4M0.75	0.75	0.1	12.2	0.32	9		100	733	122	480	320	366	395	215	766	55	67
			4	GES-505M-4M1.5	1.5	0.1	18	0.32	14		100	825	138	540	290	458	470	245	842	55	80
			5	GES-505M-4M2.2	2.2	0.1	24.2	0.32	20		100	825	138	540	290	458	470	245	842	55	86
	65	50	6	GES-655M-4M1.5	1.5	0.2	13	0.63	10		100	731	122	480	320	366	415	215	778	55	71
			7	GES-655M-4M2.2	2.2	0.2	16	0.63	13.2		100	731	122	480	320	366	425	225	819	55	80
			8	GES-655M-4M3.7	3.7	0.2	25.5	0.63	20.8		100	825	138	540	290	458	470	245	842	55	100
			9	GES-805M-4M2.2	2.2	0.4	12.5	1.25	7.5		100	825	138	540	290	458	470	245	842	55	89
	80	65	10	GES-805M-4M3.7	3.7	0.4	17	1.25	12.2		100	823	138	540	320	458	470	245	840	55	93
			11	GES-805M-4M5.5	5.5	0.4	24	1.25	19.2		100	923	158	600	320	498	515	265	1001	60	130
			12	GES-805M-4M7.5	7.5	0.4	29.5	1.25	23.5		125	1029	180	660	320	548	590	310	1054	80	169
	100	80	13	GES-1005M-4M5.5	5.5	0.63	19	2.0	11.2		125	1029	180	660	320	548	590	310	1054	80	157
			14	GES-1005M-4M7.5	7.5	0.63	23.5	2.0	16		125	1029	180	660	320	548	590	310	1064	80	167
60	40	32	1	GES-406M-4M0.75	0.75	0.063	15	0.2	11.5	0.98MPa {10kgf/cm ² } — Pump pressure at zero (0) flow	80	733	122	480	290	336	395	215	746	55	64
			2	GES-406M-4M1.5	1.5	0.063	22.5	0.2	19		80	734	123	480	290	336	405	225	758	55	66
	50	40	3	GES-506M-4M1.5	1.5	0.125	19	0.4	14		100	731	122	480	320	366	395	215	778	55	69
			4	GES-506M-4M2.2	2.2	0.125	23	0.4	17		100	825	138	540	290	458	470	245	842	55	85
			5	GES-506M-4M3.7	3.7	0.12	35.5	0.4	28.5		100	825	138	540	290	458	470	245	842	55	95
	65	50	6	GES-656M-4M2.2	2.2	0.25	17.2	0.8	12		100	731	122	480	320	366	425	225	819	55	79
			7	GES-656M-4M3.7	3.7	0.25	23.2	0.8	18.5		100	821	138	540	320	366	425	225	853	70	86
			8	GES-656M-4M5.5	5.5	0.25	33.5	0.8	26.5		100	825	140	540	290	458	490	265	891	55	114
			9	GES-806M-4M3.7	3.7	0.5	18.2	1.6	9.5		100	823	138	540	290	458	470	245	840	55	93
	80	65	10	GES-806M-4M5.5	5.5	0.5	23.2	1.6	15.2		100	825	140	540	290	458	490	265	891	55	110
			11	GES-806M-4M7.5	7.5	0.5	28	1.6	20		100	825	140	540	290	458	490	265	891	55	110
			12	GES-806M-4M11	11	0.5	36.5	1.6	28.5		100	1029	179	660	320	498	535	285	1039	80	147
	100	80	13	GES-1006M-4M5.5	5.5	0.8	16.5	2.5	10		125	825	140	540	290	458	490	265	916	55	110
			14	GES-1006M-4M7.5	7.5	0.8	22.2	2.5	12.5		125	1021	178	660	320	498	495	245	1064	95	138
			15	GES-1006M-4M11	11	0.8	30.5	2.5	18.5		125	1146	199	740	290	548	590	310	1195	100	244
			16	GES-1006M-4M15	15	0.8	36	2.5	25		125	1146	199	740	290	548	590	310	1240	100	256

FS(4) Self-priming centrifugal pump Selsuper® 4 pole



V-pulley driven type is available

50Hz : Bore 25 ~ 150mm output 0.2 ~ 7.5kW
Flow rate 0.04 ~ 3.15m³/min
60Hz : Bore 25 ~ 150mm output 0.2 ~ 11kW
Flow rate 0.045 ~ 3.35m³/min

Applications

- Self-priming water supply
- Agriculture and irrigation
- Drainage
- Industry
- Cooling water (Please inquire in case drinking water application)

Features

- Self-priming pump construction does not require foot valve and makes priming works easier
- High efficiency and high suction performance
- Easy maintenance and inspection because of back pull out construction
- Sealed ball bearings required no oiling.

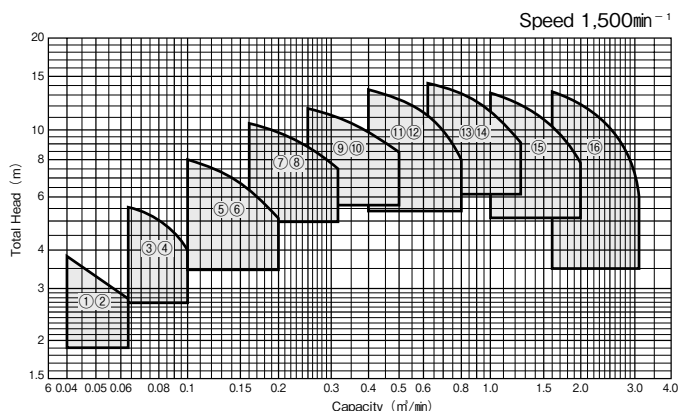
Standard specifications

- Liquid Clean water 0 ~ 40°C
- Materials Impeller FC Shaft SUS403 (or SUS403 portion contacting liquid) Casing FC
- Construction Impeller : Close
Shaft sealing : Gland packing, Mechanical seal
Bearing : Sealed ball bearing
- Installation Indoor
- Flange JIS 10K (thin type)

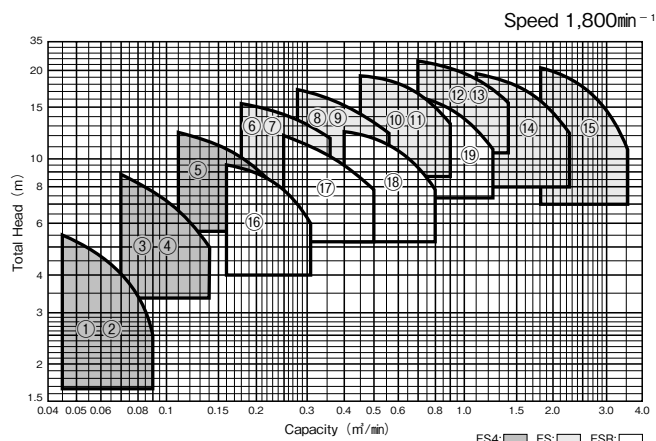
Standard accessories

Motor, Base, coupling, coupling cover, strainer, companion flange

Selection chart 50Hz



Selection chart 60Hz



Specification table 50Hz

Bore mm	Ref No.	Model	Motor		Performance			
					Capacity	Head	Capacity	Head
			kW	Phase	m³/min	m	m³/min	m
25	1	FS4-255-M0.2S	0.21	Single	0.04	3.8	0.063	2.8
	2	FS4-255-MN0.2T	0.21	Three	0.04	3.8	0.063	2.8
32	3	FS4-325-M0.2S	0.21	Single	0.063	5.5	0.1	4
	4	FS4-325-MN0.2T	0.21	Three	0.063	5.5	0.1	4
40	5	FS4-405-M0.4S	0.4	Single	0.1	8	0.2	5.2
	6	FS4-405-MN0.4T	0.4	Three	0.1	8	0.2	5.2
50	7	FS-505-M0.75	0.75	Three	0.16	10.5	0.32	7.5
	8	FS-505M-M0.75 ※	0.75	Three	0.16	10.5	0.32	7.5
65	9	FS-655-M1.5	1.5	Three	0.25	11.8	0.5	8.5
	10	FS-655M-M1.5 ※	1.5	Three	0.25	11.8	0.5	8.5
80	11	FS-805-M2.2	2.2	Three	0.4	13.5	0.8	8.2
	12	FS-805M-M2.2 ※	2.2	Three	0.4	13.5	0.8	8.2
100	13	FS-1005-M3.7	3.7	Three	0.63	14.5	1.25	9.2
	14	FS-1005M-M3.7 ※	3.7	Three	0.63	14.5	1.25	9.2
125	15	FS-1255-M5.5	5.5	Three	1.0	13.2	2.0	7.8
150	16	FS-1505-M7.5	7.5	Three	1.6	13.5	3.15	6

(※) Mechanical seal type

Specification table 60Hz

Bore mm	Ref No.	Model	Motor		Performance			
					Capacity	Head	Capacity	Head
			kW	Phase	m³/min	m	m³/min	m
25	1	FS4-256-M0.2S	0.21	Single	0.045	5.5	0.09	2.5
	2	FS4-256-MN0.2T	0.21	Three	0.045	5.5	0.09	2.5
32	3	FS4-326-M0.4S	0.4	Single	0.071	8.8	0.14	5
	4	FS4-326-MN0.4T	0.4	Three	0.071	8.8	0.14	5
40	5	FS4-406-M0.75	0.75	Three	0.11	12.2	0.22	8.5
50	6	FS-506-M1.5	1.5	Three	0.18	15.5	0.36	11.8
	7	FS-506M-M1.5 ※	1.5	Three	0.18	15.5	0.36	11.8
65	8	FS-656-M2.2	2.2	Three	0.28	17.2	0.56	12.2
	9	FS-656M-M2.2 ※	2.2	Three	0.28	17.2	0.56	12.2
80	10	FS-806-M3.7	3.7	Three	0.45	19.2	0.9	13
	11	FS-806M-M3.7 ※	3.7	Three	0.45	19.2	0.9	13
100	12	FS-1006-M5.5	5.5	Three	0.71	21.5	1.4	15.5
	13	FS-1006M-M5.5 ※	5.5	Three	0.71	21.5	1.4	15.5
125	14	FS-1256-M7.5	7.5	Three	1.12	19.2	2.24	12.2
150	15	FS-1506-M11	11	Three	1.8	20.2	3.55	10.5

(※) Mechanical seal type

GSO(3)-C Self-priming centrifugal pump 2 pole



Photo shows GSO-50-C model

50Hz : Bore 40,50mm output 0.4 ~ 1.5kW
Flow rate 0.063 ~ 0.32m³/min
60Hz : Bore 40,50mm output 0.4 ~ 1.5kW
Flow rate 0.08 ~ 0.36m³/min

Applications

- Snow melting • Agriculture • Industry • Cooling water
- Other general water supply (Please inquire in case drinking water application)

Features

- Superior suction performance (max -9m is available PAT.pending)
- Strong and durable construction against sand by adopting special kind mechanical seal
- Excellent pump performance
- Back pull out construction
- Semi open impeller enable stuck free pumping works
- TEFC outdoor motor as standard, long life

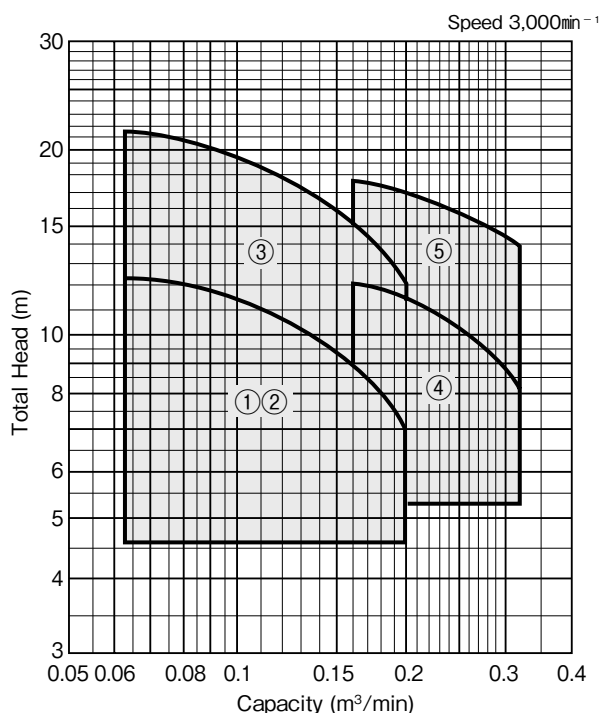
Standard specifications

- Liquid Clean water 0 ~ 40°C
- Materials Impeller CAC406 (BC6) or resin Shaft SUS304 (portion contacting liquid) Casing FC
- Construction Impeller : Semi-open
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation Indoor or outdoor
- Motor TEFC outdoor
- Flange Special flange

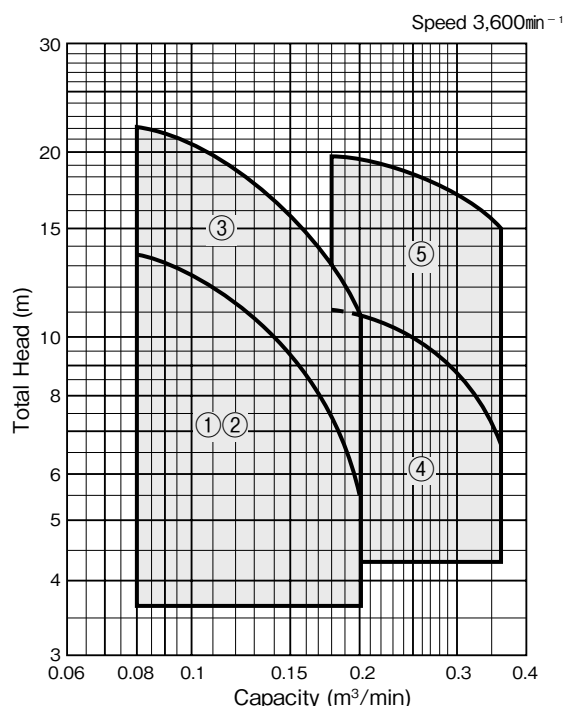
Standard accessories

Motor, Base, motor protection switch, companion flange, power cable (single phase models only)

Selection chart 50Hz



Selection chart 60Hz



Specification table 50Hz

Bore mm	Ref No	Model	Motor		Performance			
			kW	Phase	Capacity m³/min	Head m	Capacity m³/min	Head m
40	1	GS03-405-C0.4S	0.4	Single	0.063	12.5	0.2	7.0
	2	GS03-405-C0.4T	0.4	Three	0.063	12.5	0.2	7.0
	3	GS0-405-C0.75	0.75	Three	0.063	21.5	0.2	12.2
50	4	GS0-505-C0.75	0.75	Three	0.16	12.0	0.32	8.0
	5	GS0-505-C1.5	1.5	Three	0.16	17.8	0.32	13.8

Specification table 60Hz

Bore mm	Ref No	Model	Motor		Performance			
			kW	Phase	Capacity m³/min	Head m	Capacity m³/min	Head m
40	1	GS03-406-C0.4S	0.4	Single	0.08	13.5	0.2	5.5
	2	GS03-406-C0.4T	0.4	Three	0.08	13.5	0.2	5.5
	3	GS0-406-C0.75	0.75	Three	0.08	22.0	0.2	10.5
50	4	GS0-506-C0.75	0.75	Three	0.18	11.0	0.36	6.5
	5	GS0-506-C1.5	1.5	Three	0.18	19.5	0.36	15.0

Optional accessories (Foundation bolt set, pressure gauge, compound gauge, reducer are also available)

Sluice valve/Check valve

Sluice valve (inner screw type)



- Valve set including sluice valve, check valve, packing, bolts, nuts and attaching adaptors is also available.

Bore: 40 ~ 200mm
Nylon coating model (bore 40 ~ 50mm) is also available

Swing check valve (with by pass)



Bore : 40 ~ 200mm

Shockless valve (impact relief check valve)



Nylon coating model is also available

- Less friction loss
Protect pump and piping from water hammer

Foot valve/suction unit

VF · VF2 foot valve with lever

- (With 3m stainless steel wire)
- VF2: Rust free resin material



VF2
32 ~ 80mm



VF
40 ~ 80 mm

VFF : Flange type
100-250mm is also available

Stainless steel foot valve

- Using SCS13 for main parts, hard and long life



VFST(2)
40 ~ 100mm

VFSF : Flange type
50-250mm is also available

Suction unit

- Usefull for maintenance and inspection of foot valve and suction pipe
- Lever of foot valve is easily 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

Vibration proof bed

Application

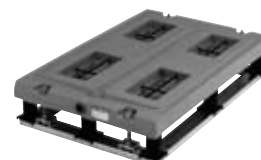
- Protect pump from vibration and resonance

Features

- Vibration transmitting ratio below 5%
- 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.



QR



PX

Vibration proof joint · Pipe silencer

Vibration proof joint (rubber ball type)



Bore: 25 ~ 200mm

Pipe silencer



Bore: 32 ~ 150mm

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

Heater for pump

Applications

- 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 for 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	AC200	Power source, Power on Wire cut	no voltage
ECH4-0.4	(50 ~ 220 for 100V)	AC100/200	—	—

Combination use with Heater (not necessary ET6 because of built in thermostat)

Standard End Suction

In Line

Sealless Magnet Coupling
Stainless Steel

Self-Priming

Accessories



SAFETY PRECAUTIONS

- Always read the instruction manual carefully before starting to ensure correct use.
- Select a product which matches the application. Using the pump in an incorrect application could lead to faults.
- Always follow the Electrical Facility Technology Standards and in-house standards and safety and accurately select and complete electrical wiring work.
- Always ground the unit and install the dedicated residual current circuit breaker. There is a risk of failure or electric shock in the event of a failure or residual current. Consult your dealer for information on grounding the unit.

The specifications and shapes, etc., may be changed without notice for improvement, etc.
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