

Applications

- Circulation of cold/warm water, hot-water supply, various settings
- General water supply, and other uses

Features

- ① Energy-saving pump with a Top Runner efficiency (equivalent to IE3) motor.
- ② Strong, highly resistant against distortion, and long-life due to precision stainless steel casting.
- ③ Allowable boost pressure is designed reasonably high.
- ④ No water leakage and easy maintenance through the adoption of highly durable mechanical seal.
- ⑤ Measures against rusty water with stainless steel wetted parts.
- ⑥ Compact, lightweight, and inline-type that allows installation in the middle of piping, and installable in small spaces.
- ⑦ Best suited for hot-water supply and circulation of warm water.
- ⑧ Compatible mounting dimensions with conventional pumps.

Description of types

SLP2 - 25 - 5. 25 - e

① ② ③ ④ ⑤ ⑥

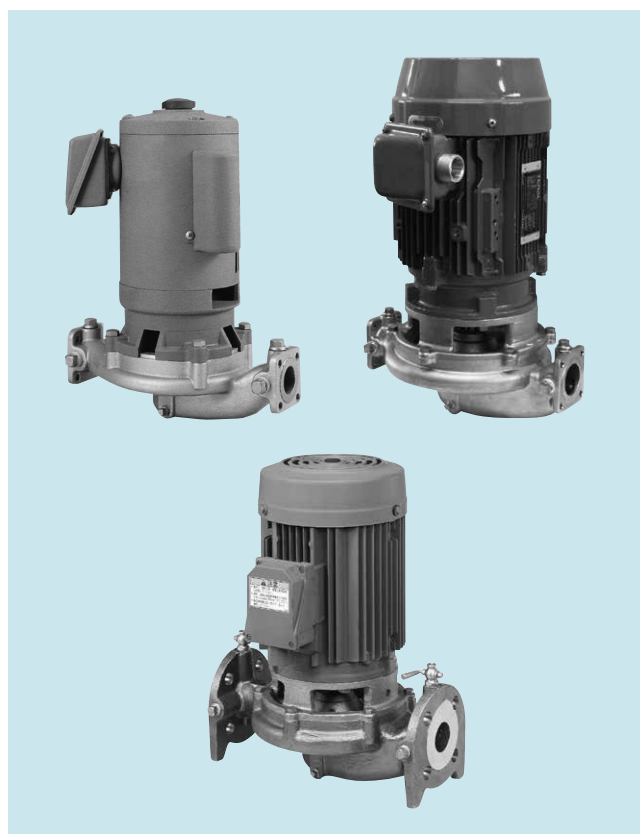
- ① Model
 - ② Nominal diameter (25mm)
 - ③ Frequency (50Hz)
 - ④ Output (0.25kW)
 - ⑤ Phase (S: Single-phase None: 3-phase)
 - ⑥ Motor efficiency
- None: Standard efficiency (equivalent to IE1)
e: Top Runner efficiency (equivalent to IE3)
(0.25kW or less is equivalent to IE3 efficiency)

Standard specifications

Pumping liquid	Liquid quality	Fresh water
	Liquid temperature	0~80°C *1
Total suction head (In case of 20°C)		-6m, For use with the total head 10m or less, take 60% or less of the total head.
Allowable push-in pressure		See the Specification table.
Structure	Impeller	Closed
	Shaft seal	Mechanical seal
	Bearing	Sealed ball bearing
Material	Impeller	SUS304 or SCS13 *2
	Motor shaft	SUS304 equivalent + S35C
	Casing	SCS13
Motor	Efficiency	Standard efficiency (equivalent to IE1) : Single-phase, 3-phase 0.15kW or less Equivalent to IE3 efficiency : 0.25 - 0.4kW, Top Runner efficiency (equivalent to IE3) : 3-phase 0.75kW or more
	Starting method	Direct-on-Line start
	Type	Drip-proof protected type : Single-phase Totally-enclosed-fan-cooled outdoor type : 3-phase 0.15kW or more
	Power source	Single phase 100V : 80 - 400W 3-phase 200V : 0.15 - 7.5kW
	Synchronous rotation speed	3000min ⁻¹
Flange spec		Special flange or JIS 10K standard type
Paint color		7.5BG5/1.5

*1 For more than 80°C, contact us.

*2 SLP2-25-e and SLP2-50-51.5-e are made of SUS304.



* Please note that some of the devices in the photo may differ from actual devices in coating color, etc.

Standard accessories

Companion flange (made of stainless steel).....1 set
(Only SLP2(-e) models whose nominal diameter is 50mm or less)

Special specifications

Structure	Shaft seal	Mechanical seal (SiC ~ carbon)
	Other	Drain (below the casing)
Motor	Type	Totally-enclosed-fan-cooled indoor type (single-phase)
	Power supply	Special voltage 400V (3-phase) *1
Paint*2		Specified color for the outer surface, salt-resistant paint, heavy-duty salt-resistant paint
Other		Oil free treatment (grade I/grade II)

* Please note that in case of special specifications, the outline drawing, etc., may be different from the standard drawing.

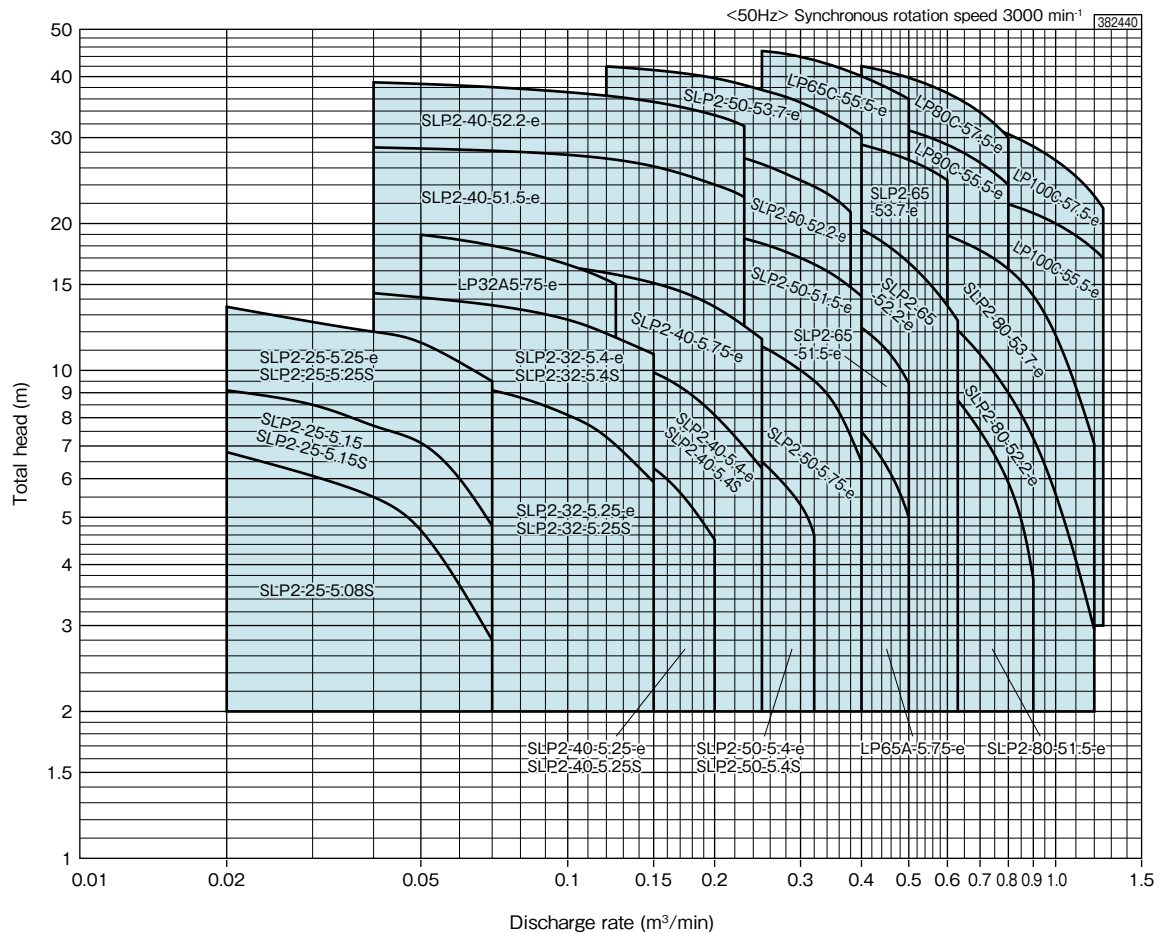
*1 Totally-enclosed-fan-cooled outdoor type

*2 Stainless steel parts are not painted.

Special accessories

Companion flange (Packings, bolts and nuts included)
(SLP2 (-e) models with a nominal diameter that is 65mm or more, LP-e model)

Selection chart



Specification table

Single-phase

Nominal diameter mm	Model	Output W	Specifications				Allowable boost pressure MPa
			Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	
25	SLP2-25-5.08S	80	0.02	6.8	0.07	2.8	0.20
	SLP2-25-5.15S	150	0.02	9.1	0.07	4.8	0.20
	SLP2-25-5.25S	250	0.02	13.5	0.07	9.5	0.20
32	SLP2-32-5.25S	250	0.04	9.8	0.15	5.9	0.54
	SLP2-32-5.4S	400	0.04	14.4	0.15	10.8	0.49
40	SLP2-40-5.25S	250	0.07	7.9	0.2	4.5	0.58
	SLP2-40-5.4S	400	0.07	11.7	0.25	6.3	0.53
50	SLP2-50-5.4S	400	0.12	9.1	0.32	4.6	0.56

3-phase

Nominal diameter mm	Model	Output W	Specifications				Allowable boost pressure MPa
			Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	
25	SLP2-25-5.15	0.15	0.02	9.1	0.07	4.8	0.20
	SLP2-25-5.25-e	0.25	0.02	13.5	0.07	9.5	0.20
32	SLP2-32-5.25-e	0.25	0.04	9.8	0.15	5.9	0.54
	SLP2-32-5.4-e	0.4	0.04	14.4	0.15	10.8	0.49
	LP32A5.75-e	0.75	0.05	19.0	0.125	15.0	0.40
40	SLP2-40-5.25-e	0.25	0.07	7.9	0.2	4.5	0.58
	SLP2-40-5.4-e	0.4	0.07	11.7	0.25	6.3	0.53
	SLP2-40-5.75-e	0.75	0.07	16.8	0.25	11.6	0.49
	SLP2-40-51.5-e	1.5	0.04	28.6	0.23	22.6	0.69
	SLP2-40-52.2-e	2.2	0.04	38.9	0.23	31.7	0.60
50	SLP2-50-5.4-e	0.4	0.12	9.1	0.32	4.6	0.56
	SLP2-50-5.75-e	0.75	0.12	13.0	0.4	6.5	0.51
	SLP2-50-51.5-e	1.5	0.12	20.4	0.4	14.2	0.46
	SLP2-50-52.2-e	2.2	0.12	30.9	0.38	21.1	0.67
	SLP2-50-53.7-e	3.7	0.12	41.9	0.4	30.3	0.56
65	LP65A5.75-e	0.75	0.25	10.0	0.5	5.0	0.40
	SLP2-65-51.5-e	1.5	0.21	17.0	0.5	9.4	0.69
	SLP2-65-52.2-e	2.2	0.21	23.6	0.63	12.6	0.69
	SLP2-65-53.7-e	3.7	0.21	32.2	0.6	24.5	0.66
	LP65C55.5-e	5.5	0.25	45.0	0.5	36.0	0.40
80	SLP2-80-51.5-e	1.5	0.4	12.5	0.9	3.7	0.69
	SLP2-80-52.2-e	2.2	0.4	15.6	1.2	2.9	0.69
	SLP2-80-53.7-e	3.7	0.4	21.7	1.2	7.1	0.69
	LP80C55.5-e	5.5	0.4	32.5	0.8	24.0	0.40
	LP80C57.5-e	7.5	0.4	42.0	0.8	30.0	0.40
100	LP100C55.5-e	5.5	0.63	23.0	1.25	17.0	0.40
	LP100C57.5-e	7.5	0.63	33.0	1.25	21.5	0.40

Motor specification table

Classification		Model	Output kW	Rating			Starting			Thermal class	Bearing*1	
Phase	Type			Voltage V	Current A	Rotation speed min ⁻¹	Torque %	Current A	Method		Load side (D.S)	Anti-load side (O.S)
Single-phase	Drip-proof protected type	SLP	0.08	100	3.3	2890	280	22	Split-phase	E	6204DDW	6202VV
		SLP	0.15	100	3.9	2810	145	22	Split-phase	E	6204DDW	6202VV
		SLP	0.25	100	5.7	2825	220	22	Capacitor	E	6204DDW	6202VV
		SLP	0.4	100	8.0	2840	220	31	Capacitor	E	6204DDW	6202VV
3-phase	Totally-enclosed-fan-cooled outdoor type	SLP	0.15	200	0.84	2900	350	4.95	Direct-on-Line start	E	6204DDW	6202VV
		SLP-e	0.25	200	1.3	2880	378	8.90	Direct-on-Line start	F	6204ZZC3	6203ZZC3
		SLP-e	0.4	200	1.9	2875	541	17.4	Direct-on-Line start	F	6204ZZC3	6203ZZC3
		SLP-e	0.75	200	3.2	2865	220	21	Direct-on-Line start	F	6205ZZC3	6204ZZC3
		LP-e	0.75	200	3.2	2880	311	26.8	Direct-on-Line start	F	6205ZZC3E	6204ZZC3E
		SLP-e	1.5	200	6.0	2865	285	47.4	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		SLP-e	2.2	200	8.6	2890	330	76.6	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		SLP-e	3.7	200	13.6	2910	244	112	Direct-on-Line start	F	6307ZZC3	6206ZZC3
		LP-e	5.5	200	22	2930	235	182	Direct-on-Line start	B	6308ZZC3E	6306ZZC3E
		LP-e	7.5	200	28.4	2920	242	234	Direct-on-Line start	B	6308ZZC3E	6306ZZC3E

*1 Urea-based grease is used for bearings.

Component parts list

Type	Mechanical seal	O-ring (for casing)
SLP2-25-5.08S	Please contact us	
SLP2-25-5.15S		
SLP2-25-5.25S		
SLP2-32-5.25S		
SLP2-32-5.4S		
SLP2-40-5.25S		
SLP2-40-5.4S		
SLP2-50-5.4S		
SLP2-25-5.15		
SLP2-25-5.25-e	H-16	G120
SLP2-32-5.25-e	H-16	G120
SLP2-32-5.4-e	H-16	G120
LP32A5.75-e	H-16	G140
SLP2-40-5.25-e	H-16	G120
SLP2-40-5.4-e	H-16	G120
SLP2-40-5.75-e	H-16	G120
SLP2-40-51.5-e	H-20H	K184
SLP2-40-52.2-e	H-20H	K184

Type	Mechanical seal	O-ring (for casing)
SLP2-50-5.4-e	H-16	G120
SLP2-50-5.75-e	H-16	G120
SLP2-50-51.5-e	H-20H	G140
SLP2-50-52.2-e	H-20H	K184
SLP2-50-53.7-e	H-20H	K184
LP65A5.75-e	H-16	G120
SLP2-65-51.5-e	H-20H	G140
SLP2-65-52.2-e	H-20H	G140
SLP2-65-53.7-e	H-20H	K184
LP65C55.5-e	EA560-25	K198
SLP2-80-51.5-e	H-20H	K160
SLP2-80-52.2-e	H-20H	K160
SLP2-80-53.7-e	H-20H	K160
LP80C55.5-e	EA560-25	K198
LP80C57.5-e	EA560-25	K198
LP100C55.5-e	EA560-25	K198
LP100C57.5-e	EA560-25	K198

Assembly drawing

● SLP2 25~50 Single-phase, 3-phase 0.15kW

Fig. 1

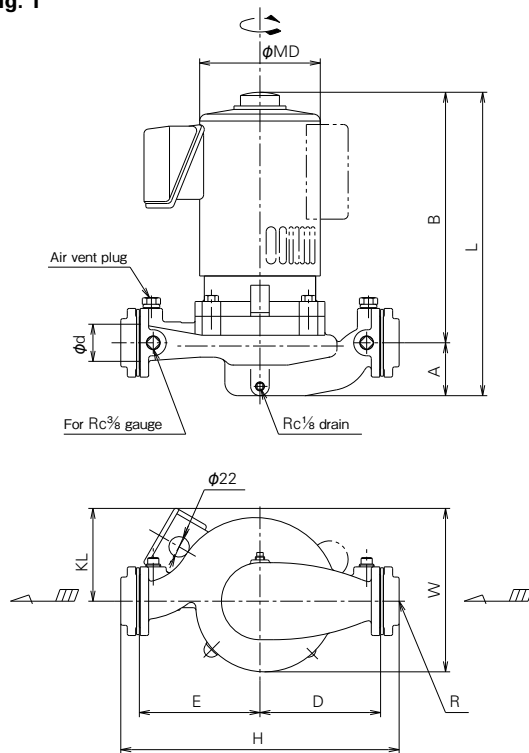
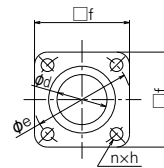
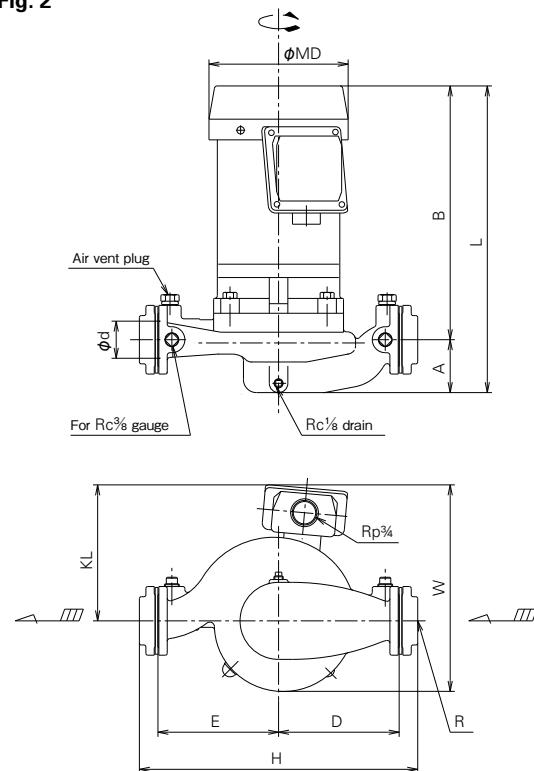


Fig. 2



Applicable bores: 25A, 32A, 40A, 50A

Flange dimensions

(Unit: mm)

Nominal diameter d	e	f	n x h	R
25	60	62	4 x M8	Rc 1
32	76	74	4 x M8	Rc 1 1/4
40	76	74	4 x M8	Rc 1 1/2
50	88	84	4 x M8	Rc 2

Dimensions

Single-phase

(Unit: mm)

Nominal diameter d	Type	Output W	Fig.	A	B	D	E	H	KL	L	MD	W	Approx. mass kg
25	SLP2-25-5.08S	80	1	51	279	130	130	296	100	330	130	173	13
	SLP2-25-5.15S	150	1	51	279	130	130	296	100	330	130	173	13
	SLP2-25-5.25S	250	1	51	289	130	130	296	100	340	130	173	14
32	SLP2-32-5.25S	400	1	57	293	130	130	300	100	350	130	177	15
	SLP2-32-5.4S	400	1	57	319	130	130	300	100	376	130	177	18
40	SLP2-40-5.25S	250	1	63	297	130	130	300	100	360	130	175	15
	SLP2-40-5.4S	400	1	63	323	130	130	300	100	386	130	175	17
50	SLP2-50-5.4S	400	1	65	328	130	130	308	100	393	130	178	18

3-phase

(Unit: mm)

Nominal diameter d	Type	Output kW	Fig.	A	B	D	E	H	KL	L	MD	W	Approx. mass kg
25	SLP2-25-5.15	0.15	2	51	270	130	130	296	140	321	157	213	12

Assembly drawing

● SLP2-e 25~50

Fig. 1

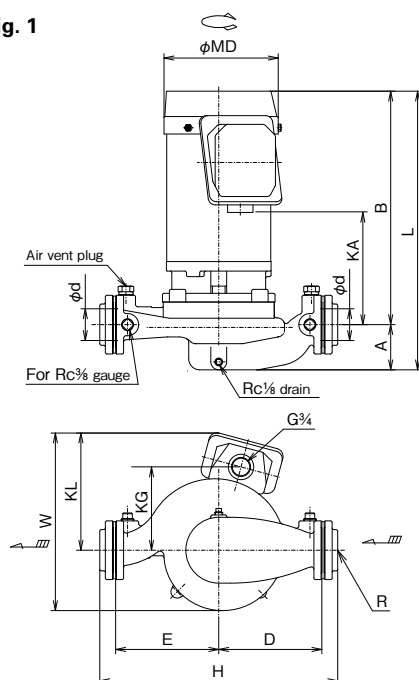
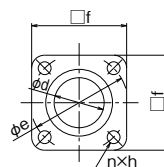
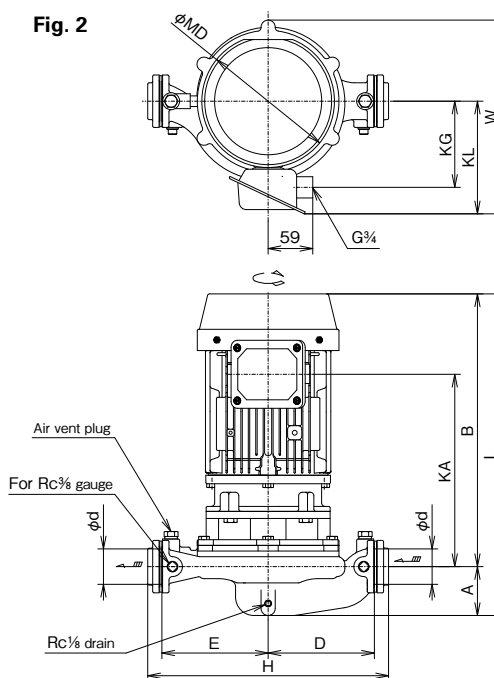


Fig. 2



Applicable bores: 25A, 32A, 40A, 50A

Flange dimensions

(Unit: mm)

Nominal diameter d	e	f	n x h	R
25	60	62	4 x M8	Rc 1
32	76	74	4 x M8	Rc 1 1/4
40	76	74	4 x M8	Rc 1 1/2
50	88	84	4 x M8	Rc 2

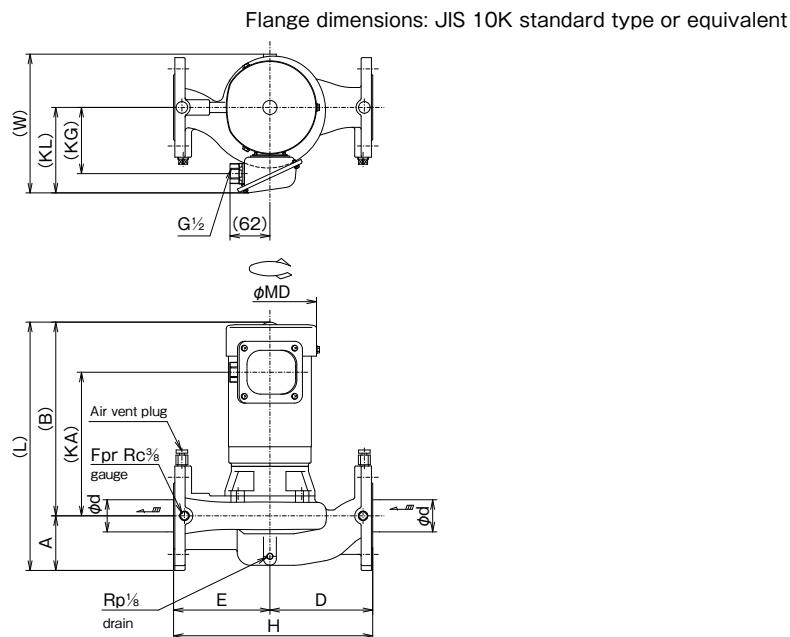
Dimensions

(Unit: mm)

Nominal diameter d	Type	Output kW	Fig.	A	B	D	E	H	KA	KG	KL	L	MD	W	Approx. mass kg
25	SLP2-25-5.25-e	0.25	1	51	263	130	130	296	114	105	148	314	150	220	13
32	SLP2-32-5.25-e	0.25	1	57	267	130	130	300	118	105	148	324	150	224	14
	SLP2-32-5.4-e	0.4	1	57	290	130	130	300	138	105	147	347	150	224	15
40	SLP2-32-5.25-e	0.25	1	63	271	130	130	300	122	105	148	334	150	223	14
	SLP2-40-5.4-e	0.4	1	63	295	130	130	300	142	105	147	358	150	223	15
	SLP2-40-5.75-e	0.75	1	63	292	130	130	300	122	113	161	355	170	236	18
	SLP2-40-51.5-e	1.5	2	69	385	150	150	340	272	133	168	454	202	283	34
	SLP2-40-52.2-e	2.2	2	69	395	150	150	340	272	133	168	464	202	283	38
50	SLP2-50-5.4-e	0.4	1	65	300	130	130	308	147	105	147	365	150	226	16
	SLP2-50-5.75-e	0.75	1	65	297	130	130	308	127	113	161	362	170	239	18
	SLP2-50-51.5-e	1.5	2	66	353	130	130	308	240	133	168	419	202	260	25
	SLP2-50-52.2-e	2.2	2	74	398	150	150	348	275	133	168	472	202	283	39
	SLP2-50-53.7-e	3.7	2	74	421	150	150	348	297	152	187	495	243	302	48

Assembly drawing

●LP-e 0.75kW



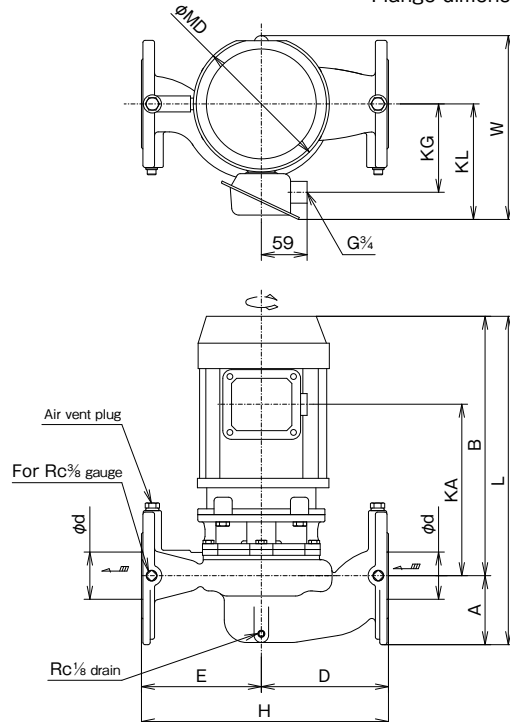
Dimensions

(Unit: mm)

Nominal diameter d	Type	Output kW	A	B	D	E	H	KA	KG	KL	L	MD	W	Approx. mass kg
32	LP32A5.75-e	0.75	70	304	140	140	280	211	111	141	374	163	226	35
65	LP65A5.75-e	0.75	95	319	175	165	340	226	111	141	414	163	228	42

●SLP2-e 65~80

Flange dimensions: JIS 10K standard type or equivalent



Dimensions

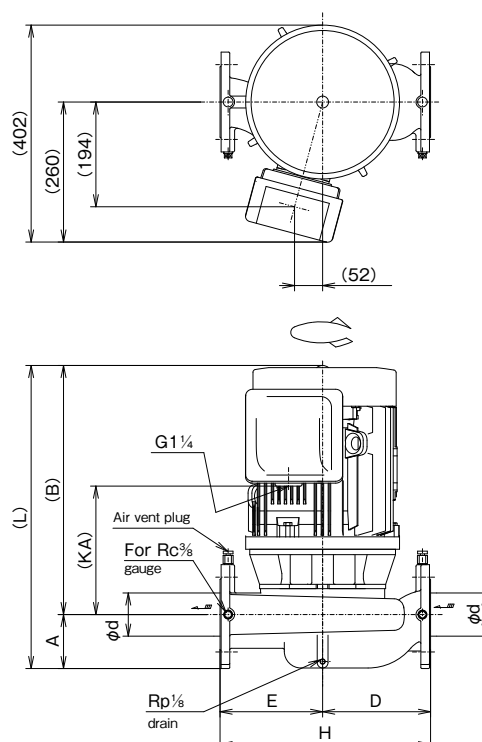
(Unit: mm)

Nominal diameter d	Type	Output kW	A	B	D	E	H	KA	KG	KL	L	MD	W	Approx. mass kg
65	SLP2-65-51.5-e	1.5	95	391	175	165	340	278	133	168	486	202	262	39
	SLP2-65-52.2-e	2.2	95	401	175	165	340	278	133	168	496	202	262	43
	SLP2-65-53.7-e	3.7	95	424	175	165	340	300	152	187	519	243	302	52
80	SLP2-80-51.5-e	1.5	100	400	200	190	390	287	133	168	500	202	271	42
	SLP2-80-52.2-e	2.2	100	410	200	190	390	287	133	168	510	202	271	46
	SLP2-80-53.7-e	3.7	100	433	200	190	390	309	152	187	533	243	290	54

Assembly drawing

●LP-e 5.5~7.5kW

Flange dimensions: JIS 10K standard type or equivalent



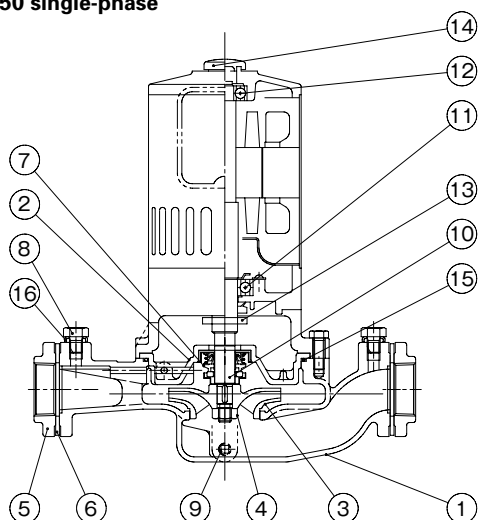
Dimensions

(Unit: mm)

Nominal diameter d	Type	Output kW	A	B	D	E	H	KA	L	Approx. mass kg
65	LP65C55.5-e	5.5	95	458	185	185	370	235	553	82
80	LP80C55.5-e	5.5	100	461	200	190	390	238	561	88
	LP80C57.5-e	7.5	100	461	200	190	390	238	561	98
100	LP100C55.5-e	5.5	115	460	225	205	430	237	575	95
	LP100C57.5-e	7.5	115	460	225	205	430	237	575	105

Example of sectional drawing

●SLP2 25 – 50 single-phase



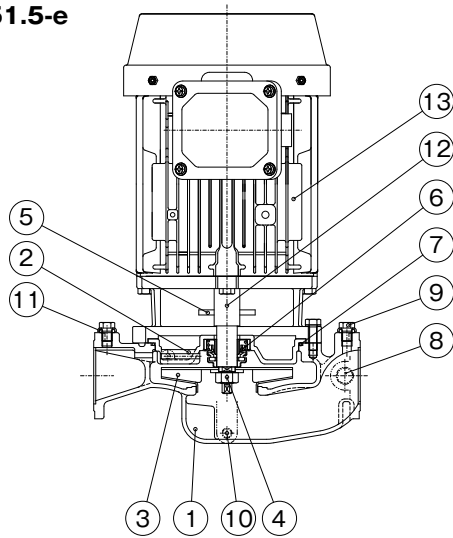
Parts list

No.	Part name	Qty	Material
1	Casing	1	SCS13
2	Seal cover	1	SCS13
3	Impeller	1	SUS304 or SCS13
4	Impeller nut	1	SUS304
5	Companion flange	2	SCS13
6	Sheet packing	2	Synthetic fiber
7	Mechanical seal	1	CERAMICS~CARBON
8	Air vent plug	2	SUS304
9	Drain plug	1	SUS304
10	Shaft	1	SUS304
11	Ball bearing	1	SUJ2
12	Ball bearing	1	SUJ2
13	Deflector	1	NBR
14	End cap	1	CR
15	O-ring	1	NBR
16	Seal washer	2	SUS304+NBR

Impeller material: SUS304 for bore 25 models, and SCS13 for other models.

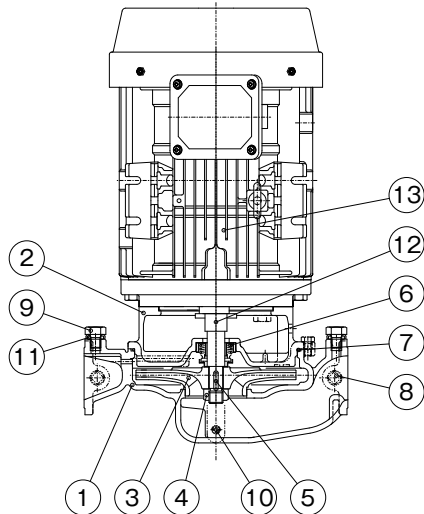
Example of sectional drawing

●SLP2-50-51.5-e



* The above is a representative example. For details, see the sectional drawing of each model.

●SLP2-65-e



* The above is a representative example. For details, see the sectional drawing of each model.

Parts list

No.	Part name	Qty	Material
1	Casing	1	SCS13
2	Casing cover	1	SCS13
3	Impeller	1	SUS304
4	Impeller nut	1	SUS304
5	Deflector	1	NBR
6	Mechanical seal	1	CERAMICS~CARBON
7	O-ring	1	NBR
8	Plug	2	SUS304
9	Air vent plug	2	SUS304
10	Drain plug	1	SUS304
11	Seal washer	2	SUS304+NBR
12	Motor shaft *1	1	SUS304+S45C
13	Motor	1	

*1 The indicated materials are equivalent products.

No.	Part name	Qty	Material
1	Casing	1	SCS13
2	Frame	1	SCS13
3	Impeller	1	SCS13
4	Impeller nut	1	SUS304
5	Key	1	SUS304
6	Mechanical seal	1	CERAMICS~CARBON
7	O-ring	1	NBR
8	Plug	2	SUS304
9	Air vent plug	2	SUS304
10	Drain plug	1	SUS304
11	Seal washer	2	SUS304+NBR
12	Motor shaft *1	1	SUS304+S45C
13	Motor	1	

*1 The indicated materials are equivalent products.

Installation method

