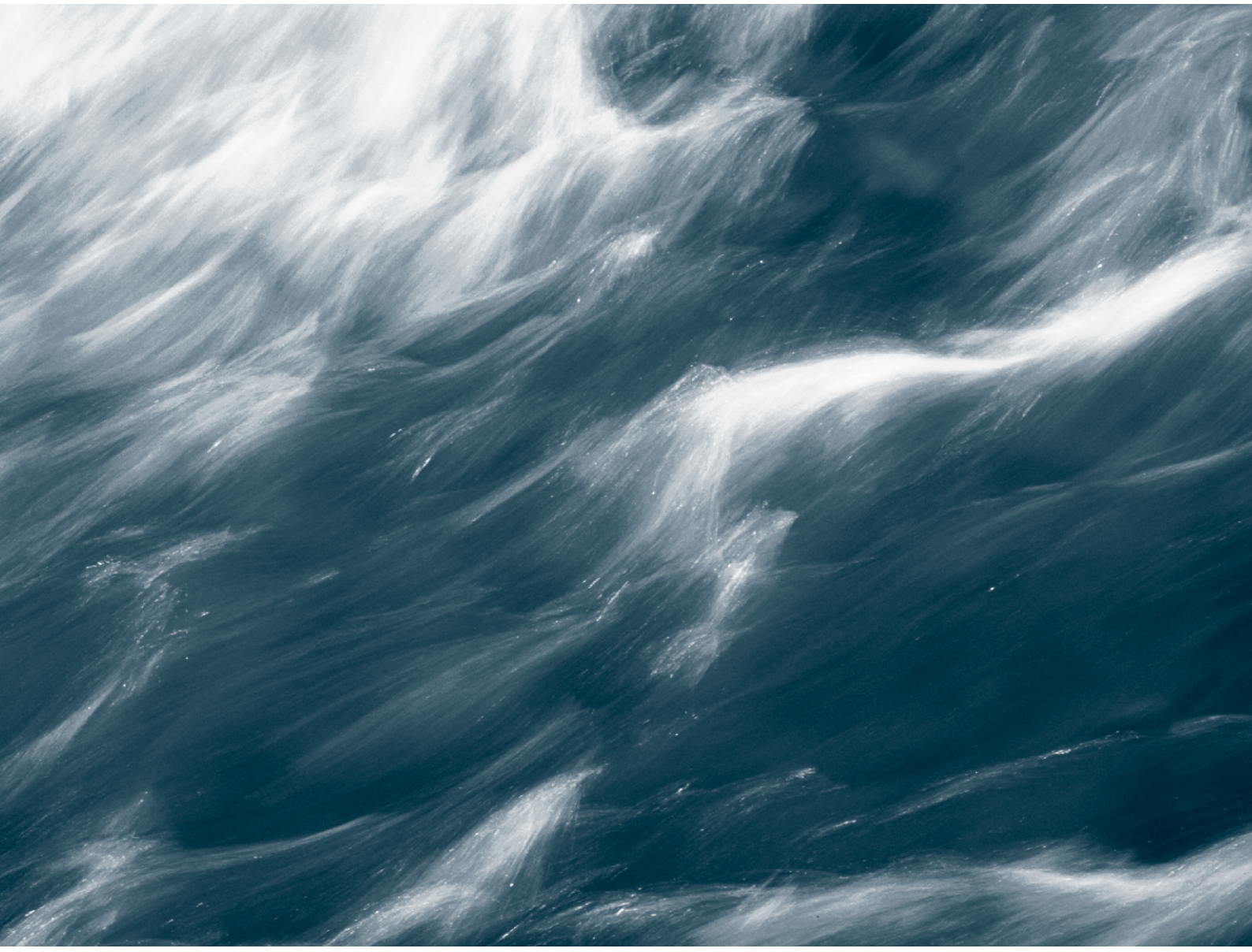
Line pumps

SLP2/LP

TERAL

Triple e series

50Hz



TERAL INC.

Liquid contact part: Stainless steel 2-pole, motor type

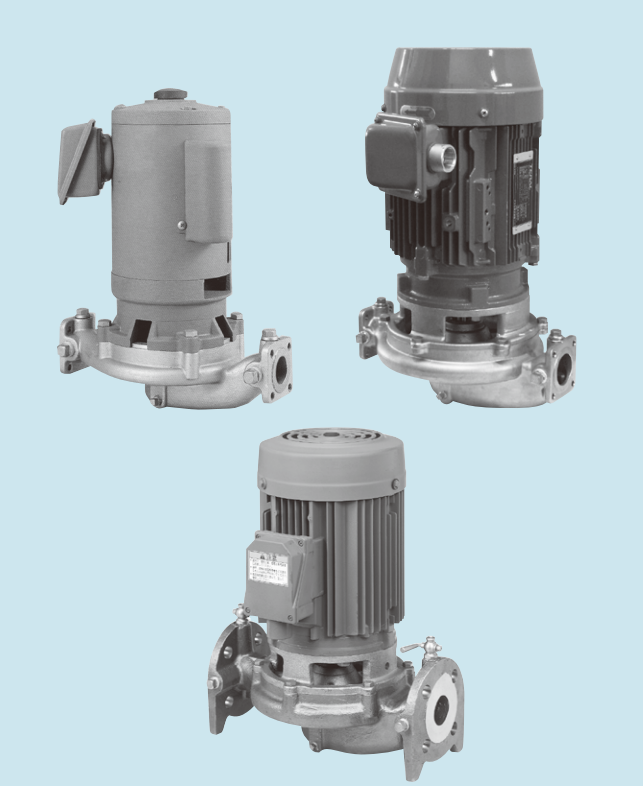
SLP2/LP

Applications

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

Features

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



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

Description of types

SLP2 - 25 - 5. 25 _ - e
① ② ③ ④ ⑤ ⑥

①Model
②Nominal diameter (25mm)
③Frequency (50Hz)
④Output (0.25kW)
⑤Phase (S: Single-phase None: 3-phase)
⑥Motor 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 / Special specifications

—: Not available

Pumping liquid	Liquid quality	Fresh water	
	Liquid temperature	0～80℃ ※1	
Total suction head (In case of 20℃)		-6m If the pump is used with the total suction head of 10 m or less, the total suction head should not exceed 60% of the total head.	
Allowable positive pressure		See the speficication table.	
Specifications		Standard specifications	Special specifications
Structure	Impeller	Closed	-
	Shaft seal	Mechanical seal (Ceramic vs Carbon)	Mechanical seal (SiC vs Carbon)
	Bearing	Sealed ball bearing (built-in the motor)	-
	Casing drain	Plug	Cock
	Other	-	Oil free treatment (G I)
Material	Impeller	SCS13 (excluding the following) SUS304…SLP2-25-e , SLP2-50-51.5-e	-
	Shaft	SUS304	-
	Casing	SCS13	-
Motor	Efficiency	Standard efficiency (equivalent to IE1): Single-phase, 3-phase 0.15kW or less IE3 efficiency (equivalent): Single-phase, 3-phase 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 T.E.F.C.…3-phase 0.15kW or more	-
	Power source	Single-phase, 100V : 80～400W 3-phase, 200V : 0.15～7.5kW	3-phase, 380/400/415V
	Synchronous rotation speed	3000min^{-1}	-
Piping connection		Special flange or JIS10K standard flange	-
Painting※2	Paint color	7.5BG5/1.5	Outside : specified color
	Painting type	TERAL standard painting	Salt-resistant paint Heavy-duty salt-resistant paint

※Please note that in case of special specifications the assembly drawing and so on may differ from the standard drawing.
※1 Please contact us if the liquid temperature exceeds 80℃.
※2 Stainless steel parts are unpainted.

Standard accessories

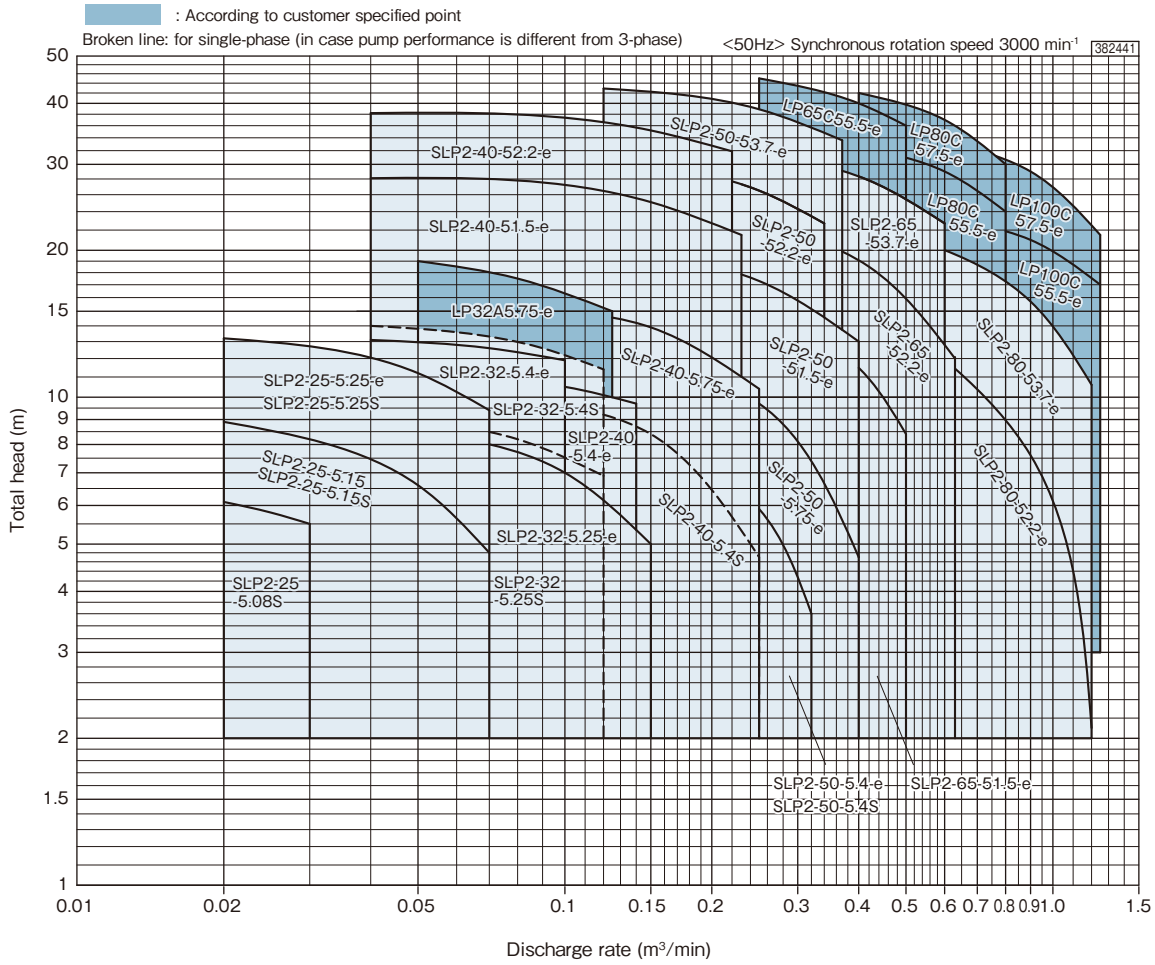
Companion flange (made of stainless steel) 1 set
(Only SLP2 whose nominal diameter is 50mm or less)

※Standard accessories are included in the product components.

Special accessories

Gate valve, check valve
Companion flange (SLP2, nominal diamter 65mm or more and LP, with packing, bolts, and nuts)
Vibration isolator
Pressure gauge, compound gauge (with cock and pipes)

Selection chart



Specification table

Single-phase

Nominal diameter mm	Model	Output W	Specifications		Allowable boost pressure MPa
			Discharge rate m³/min	Total head m	
25	SLP2-25-5.08S	80	0.025	5.8	0.20
	SLP2-25-5.15S	150	0.05	6.6	0.20
	SLP2-25-5.25S	250	0.05	11.2	0.54
32	SLP2-32-5.25S	250	0.08	8.2	0.58
	SLP2-32-5.4S	400	0.09	12.6	0.53
40	SLP2-40-5.4S	400	0.15	8.4	0.57
50	SLP2-50-5.4S	400	0.25	5.9	0.58

3-phase

Nominal diameter mm	Model	Output kW	Specifications		Allowable boost pressure MPa
			Discharge rate m³/min	Total head m	
25	SLP2-25-5.15	0.15	0.05	6.6	0.20
	SLP2-25-5.25-e	0.25	0.05	11.2	0.54
32	SLP2-32-5.25-e	0.25	0.1	7.0	0.58
	SLP2-32-5.4-e	0.4	0.07	12.6	0.54
	LP32A5.75-e	0.75	–	–	–
40	SLP2-40-5.4-e	0.4	0.1	10.5	0.56
	SLP2-40-5.75-e	0.75	0.15	13.9	0.54
	SLP2-40-51.5-e	1.5	0.15	25.1	0.39
	SLP2-40-52.2-e	2.2	0.15	35.2	0.30
50	SLP2-50-5.4-e	0.4	0.25	5.9	0.58
	SLP2-50-5.75-e	0.75	0.25	9.7	0.55
	SLP2-50-51.5-e	1.5	0.25	17.3	0.47
	SLP2-50-52.2-e	2.2	0.25	26.5	0.36
	SLP2-50-53.7-e	3.7	0.25	38.9	0.24
65	SLP2-65-51.5-e	1.5	0.42	10.9	0.48
	SLP2-65-52.2-e	2.2	0.42	18.5	0.43
	SLP2-65-53.7-e	3.7	0.42	27.8	0.34
	LP65C55.5-e	5.5	–	–	–
80	SLP2-80-52.2-e	2.2	0.9	7.6	0.49
	SLP2-80-53.7-e	3.7	0.9	15.7	0.43
	LP80C55.5-e	5.5	–	–	–
	LP80C57.5-e	7.5	–	–	–
100	LP100C55.5-e	5.5	–	–	–
	LP100C57.5-e	7.5	–	–	–

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	SLP2	0.08	100	3.3	2890	280	22.0	Split-phase	E	6204DDW	6202VV
		SLP2	0.15	100	3.9	2810	145	22.0	Split-phase	E	6204DDW	6202VV
		SLP2	0.25	100	5.7	2825	220	22.0	Capacitor	E	6204DDW	6202VV
		SLP2	0.4	100	8.0	2840	220	31.0	Capacitor	E	6204DDW	6202VV
3-phase	Totally-enclosed-fan-cooled outdoor type	SLP2	0.15	200	0.8	2900	350	5.0	Direct-on-Line start	E	6204DDW	6202VV
		SLP2-e	0.25	200	1.2	2890	294	9.1	Direct-on-Line start	F	6204ZZC3	6204ZZC3
		SLP2-e	0.4	200	1.9	2890	348	15.3	Direct-on-Line start	F	6204ZZC3	6204ZZC3
		SLP2-e	0.75	200	3.2	2865	254	23.0	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
		SLP2-e	1.5	200	6.0	2900	254	45.7	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		SLP2-e	2.2	200	8.6	2890	268	68.2	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		SLP2-e	3.7	200	13.6	2900	288	126.0	Direct-on-Line start	F	6307ZZC3	6206ZZC3
		LP-e	5.5	200	22.0	2930	235	182.0	Direct-on-Line start	B	6308ZZC3E	6306ZZC3E
		LP-e	7.5	200	28.4	2920	242	234.0	Direct-on-Line start	B	6308ZZC3E	6306ZZC3E

*1 Urea-based grease is used for bearings.

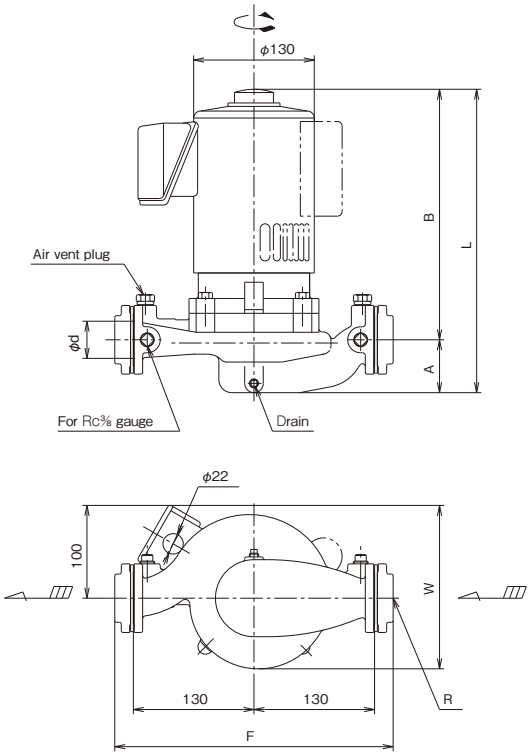
Component parts list

Type	Mechanical seal	O-ring (for casing)
SLP2-25-5.08S	H-16	G120
SLP2-25-5.15S	H-16	G120
SLP2-25-5.25S	H-16	G120
SLP2-32-5.25S	H-16	G120
SLP2-32-5.4S	H-16	G120
SLP2-40-5.4S	H-16	G120
SLP2-50-5.4S	H-16	G120
SLP2-25-5.15	H-16	G120
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
SLP2-40-5.4-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
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
SLP2-80-52.2-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

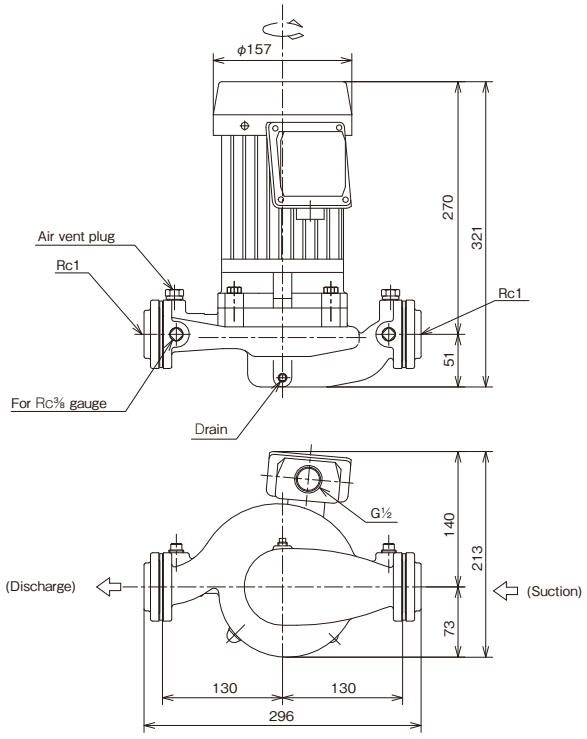
Assembly drawing

●SLP2 25~50 Single-phase

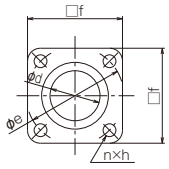


Assembly drawing

●SLP2-25-5.15



Nominal diameter: 25mm
Phase/voltage: 3-phase/200V
Output: 0.15kW
Approx. mass: 12kg



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

Flange dimensions

(Unit: mm)

Nominal diameter d	e	f	n×h	R
25	60	62	4×M8	Rc 1
32	76	74	4×M8	Rc 1¼
40	76	74	4×M8	Rc 1½
50	88	84	4×M8	Rc 2

Dimensions

Single-phase

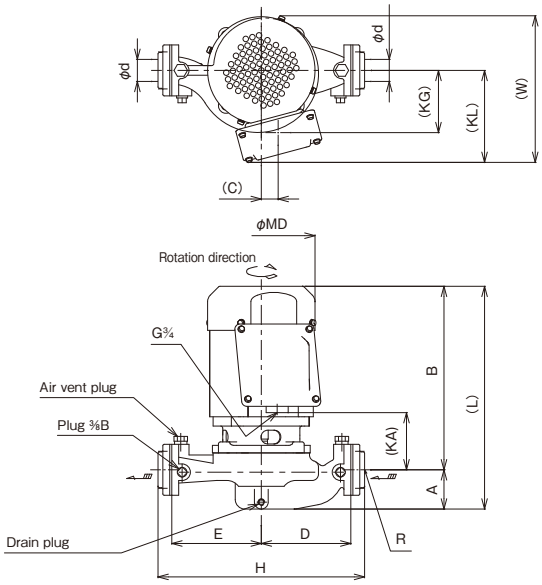
(Unit: mm)

Nominal diameter d	Type	Output W	A	B	F	L	W	Approx. mass kg
25	SLP2-25-5.08S	80	51	279	296	330	173	12.5
	SLP2-25-5.15S	150	51	279	296	330	173	12.5
	SLP2-25-5.25S	250	51	289	296	340	173	13.8
32	SLP2-32-5.25S	400	57	293	300	350	177	14.9
	SLP2-32-5.4S	400	57	319	300	376	177	17.2
40	SLP2-40-5.4S	400	63	323	300	386	175	17
50	SLP2-50-5.4S	400	65	328	308	393	178	17.6

Assembly drawing

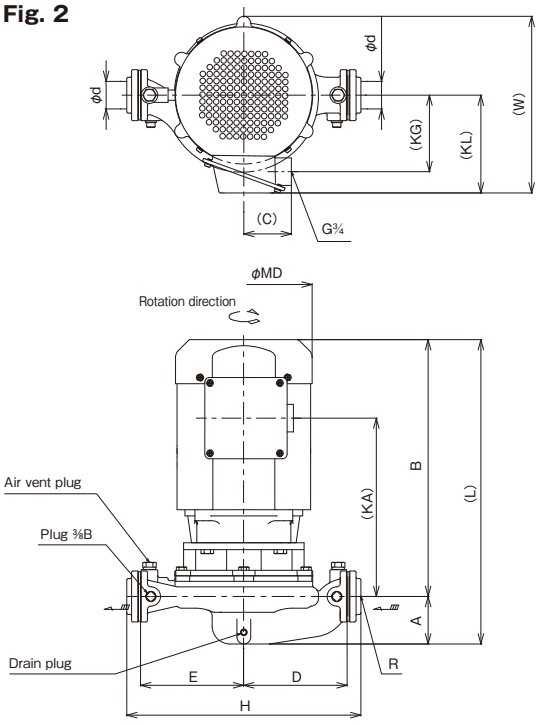
●SLP2 25~50 0.25~0.75kW

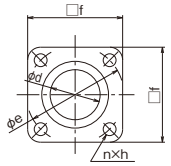
Fig. 1



●SLP2 40~50 1.5~3.7kW

Fig. 2





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

Flange dimensions

(Unit: mm)

Nominal diameter d	e	f	n×h	R
25	60	62	4×M8	Rc 1
32	76	74	4×M8	Rc 1¼
40	76	74	4×M8	Rc 1½
50	88	84	4×M8	Rc 2

Dimensions

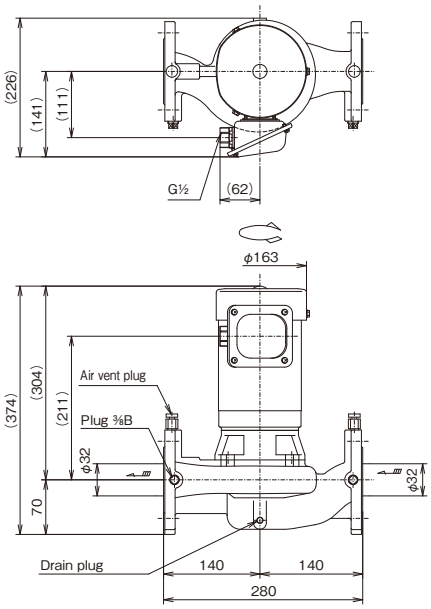
(Unit: mm)

Nominal diameter d	Type	Output kW	Fig.	A	B	C	D	E	H	KA	KG	KL	L	MD	W	Approx. mass kg
25	SLP2-25-5.25-e	0.25	1	51	263	24	130	130	296	80	89	135	314	156	213	17
32	SLP2-32-5.25-e	0.25	1	57	267	24	130	130	300	84	89	135	324	156	213	19
	SLP2-32-5.4-e	0.4	1	57	282	24	130	130	300	99	89	135	339	156	213	20
40	SLP2-40-5.4-e	0.4	1	63	286	24	130	130	300	104	89	135	349	156	213	20
	SLP2-40-5.75-e	0.75	1	63	290	26	130	130	300	109	97	142	353	170	227	21
	SLP2-40-51.5-e	1.5	2	69	373	69	150	150	340	257	111	148	442	198	261	37
	SLP2-40-52.2-e	2.2	2	69	388	69	150	150	340	272	111	148	457	198	261	41
50	SLP2-50-5.4-e	0.4	1	65	291	24	130	130	308	109	89	135	356	156	213	20
	SLP2-50-5.75-e	0.75	1	65	295	26	130	130	308	114	97	142	360	170	227	22
	SLP2-50-51.5-e	1.5	2	66	346	4	130	130	308	230	131	149	412	198	248	31
	SLP2-50-52.2-e	2.2	2	74	391	69	150	150	348	275	111	148	465	198	261	42
	SLP2-50-53.7-e	3.7	2	74	421	73	150	150	348	277	153	201	495	241	314	51

Assembly drawing

●LP32A5.75-e

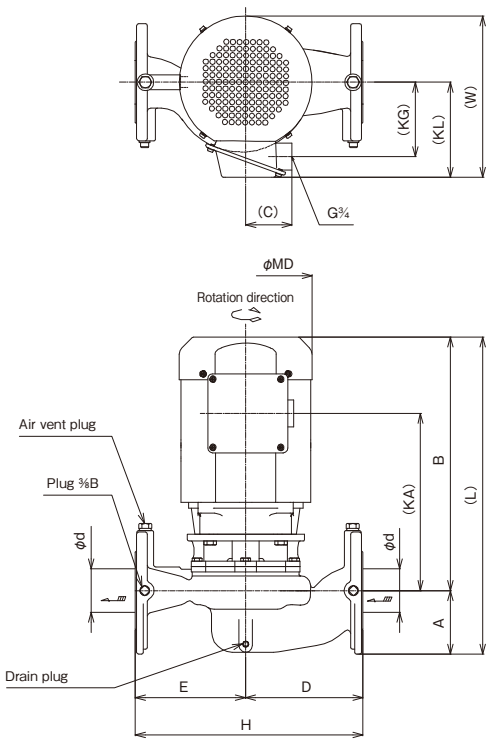
Flange dimensions: JIS 10K standard type or equivalent



Approx. mass 35kg

●SLP2 65~80

Flange dimensions: JIS 10K standard type or equivalent



Dimensions

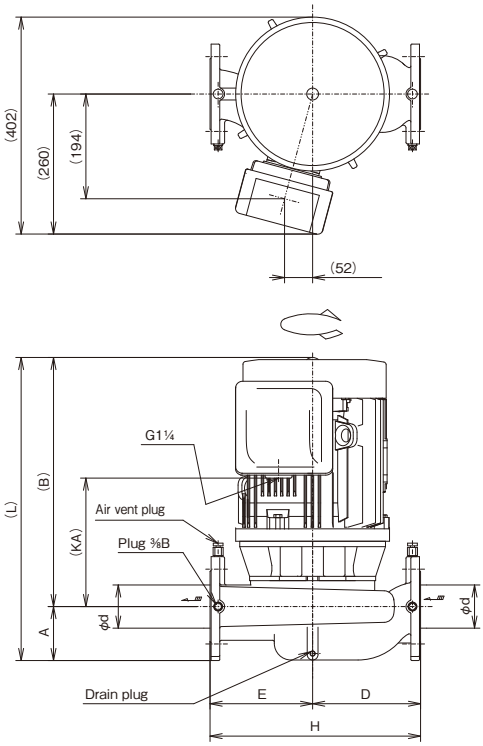
(Unit: mm)

Nominal diameter d	Type	Output kW	A	B	C	D	E	H	KA	KG	KL	L	MD	W	Approx. mass kg
65	SLP2-65-51.5-e	1.5	95	379	69	175	165	340	263	111	148	474	198	248	42
	SLP2-65-52.2-e	2.2	95	394	69	175	165	340	278	111	148	489	198	247	45
	SLP2-65-53.7-e	3.7	95	424	73	175	165	340	280	153	201	519	241	314	56
80	SLP2-80-51.5-e	1.5	100	388	69	200	190	390	272	111	148	488	198	251	46
	SLP2-80-52.2-e	2.2	100	403	69	200	190	390	287	111	148	503	198	251	50
	SLP2-80-53.7-e	3.7	100	433	73	200	190	390	289	153	201	533	241	310	58

Assembly drawing

●LP 5.5~7.5kW

Flange dimensions: JIS 10K standard type or equivalent



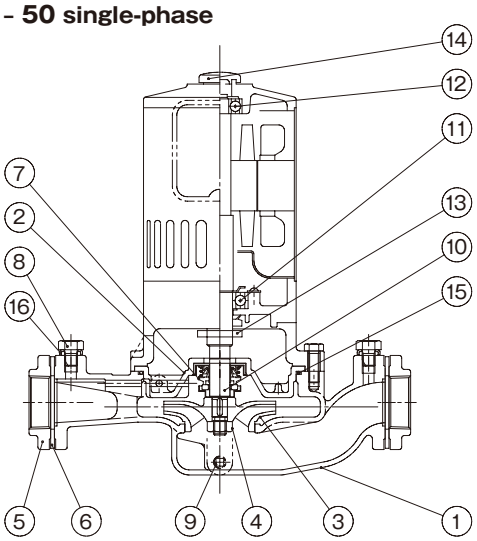
Dimensions

(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



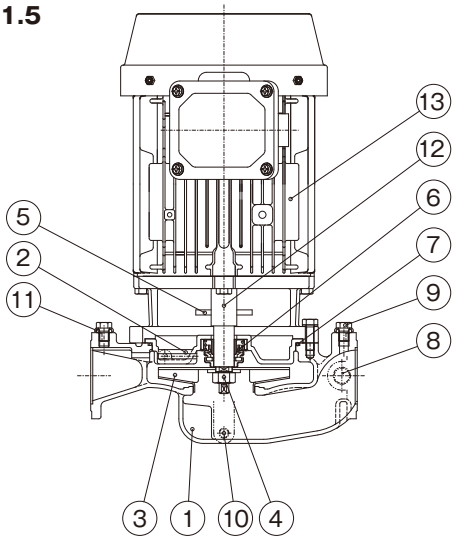
Parts list

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	Ceramic vs 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

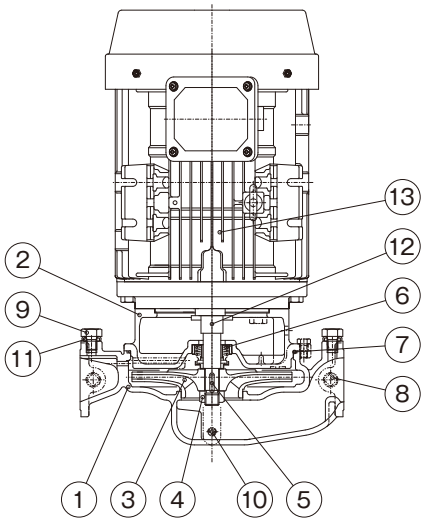


* The above is a representative example. For details, see the sectional drawing of each model.

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	Ceramic vs 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	SUS304
13	Motor	1	

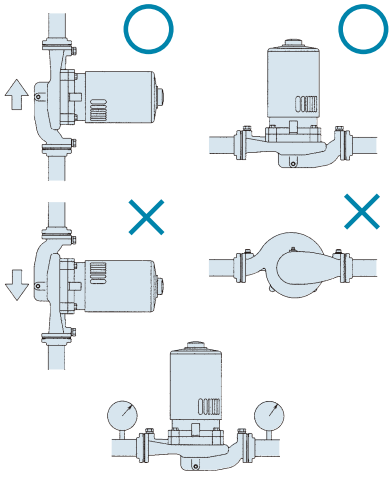
●SLP2-65



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

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	Ceramic vs 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	SUS304
13	Motor	1	

Installation method



●Pressure gauge/compound gauge

Plan to attach a pressure gauge/compound gauge to the piping side.

MEMO

MEMO

TERAL INC.

Head Office 230, Moriwake, Miyuki-cyo, Fukuyama-city, Hiroshima, 720-0003, Japan
Tel.+81-84-955-1111 Fax.+81-84-955-5777
www.teral.net

Teral Asia Limited
Room 1001,10/F, Olympia Plaza, 255 King's Road, North Point, Hong Kong
Tel.+852-2571-0935 Fax.+852-2571-0619

TERAL THAI CO.,LTD.
150 Moo 16 Udomsorayuth Rd., T.Bangkrasan, A.Bangpa-In, Ayutthaya 13160 Thailand
Tel.+66-3535-2148-9 Fax.+66-3535-2150

TERAL TRADING & SERVICE CO.,LTD.
150 Moo 16 Udomsorayuth Rd., T.Bangkrasan, A.Bangpa-In, Ayutthaya 13160 Thailand
Tel.+66-3535-2145-7 Fax.+66-3535-8549

PT.Teral Indonesia Pumps and Fans
Sinpasa Commercial Blok SB No 001
Jl. Boulevar Selatan Summarecon Bekasi
RT.003/RW.005, Kel. Marga Mulya, Kec. Bekasi Utara, Kota Bekasi, Jawa Barat 17142
TEL:+62-21-8949-4116

Teral Vietnam Limited Liability Company
9th Floor, LADECO Building, No.266 Doi Can Street, Ngoc Ha Ward, Hanoi City, Vietnam
Tel.+84-24-393-52-790 Fax.+84-24-393-52-289

Teral General Machine (Shanghai) Co.,Ltd.
No.285, Yuan Qu Road(N), Bei Qiao, Min Hang District, Shanghai 201109, China
Tel.+86-21-6490-9128 Fax.+86-21-6490-9126

Teral Middle East F.Z.C.
1806-002, 18th floor, BB1, Mazaya Business Avenue, JLT, Dubai, UAE. PO Box 414781
Tel.+971-4369 9039

Teral Pumps & Fans North America Ltd.
Suite # 197, 800-15355 24 Ave Surrey, B.C., CANADA V4A 2H9
Tel.+1-604-839-1008

2025 11

E-CAT5-P-SLP2LPe-12-A