

Line pump

LP

TERAL

60Hz



TERAL INC.

■ Uses

- Circulation of cold/warm water
- Setting of various machines
- General water supply
- Pressurization of tap water
- Pressurization of industrial water

■ Features

- ① Installable in the middle of piping, and does not require large installation space.
- ② Compact, lightweight, and easy-to-handle because disassembly and inspection can be performed with piping as is.
- ③ No liquid leakage through the adoption of mechanical seal.
- ④ Usable for high-temperature and high-pressure water, and suitable as a circulating pump of cold/warm water.
- ⑤ Easy maintenance (bore 125 – 200)
No need to disassemble the pump and remove the motor when replacing the mechanical seal.
- ⑥ Capable of high back pressure spec (bore 125 – 200)
Allowable push-in pressure up to 1.6MPa supported by simple and highly-rigid structure based on rational design.
- ⑦ Space-saving (bore 125 – 200)
Installable in places where horizontal pumps would be hard to install as the installation area is approx. 50% compared with our SJ4 and SKJ models of horizontal pumps having comparable output.
- ⑧ Low vibration and low level of noise (bore 125 – 200)
Realizes low vibration and low level of noise by optimum design based on three-dimensional in-pump flow analysis and structural analysis.

■ Standard specifications

● Bore 25 – 100

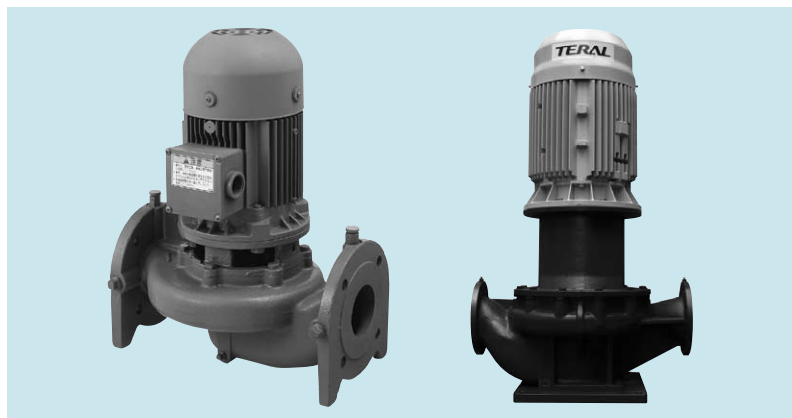
Pumping liquid	Liquid quality	Fresh water
	Liquid temperature	0 – 90°C (150W or less) 0 – 80°C (0.25kW or more) ※1
Total suction head		-6m (20°C) For use with the total head 10m or less, take 60% or less of the total head.
Allowable push-in pressure		See the specifications table.
Structure	Impeller	Closed
	Shaft seal	Mechanical seal
	Bearing	Sealed ball bearing
Material ※2	Impeller	CAC406 ※3
	Shaft	SUS304 (three-phase). See the table below. SUS304 (single-phase, 250W, 400W)
	Casing	FC200
Motor	Type	Single-phase: Drip-proof protected type Three-phase: Drip-proof protected type (0.15kW or less) Totally-enclosed-self-cooled outdoor type (0.25kW) Totally-enclosed-fan-cooled outdoor type (0.4kW or more)
	Power supply	Single-phase, 100V (0.4kW or less) Three-phase, 200/220V
Synchronous rotation speed		3600min ⁻¹
Connection		Special companion flange for 25mm in nominal diameter JIS 10K low-profile companion flange for others
Coating color		7.5BG5/1.5

※1 For 80°C or more, contact us separately.

※2 Materials for 25mm in nominal diameter are as shown below.

Phase and voltage	Output W	Impeller material ※3	Shaft material	Casing
Single-phase, 100V	40.50	SUS304	SUS430	FC150
	80	PPS resin		
	150	NORYL resin	SUS303	FC200
	250	SUS304	SUS304	
Three-phase, 200V	80	PPS resin	SUS430	FC150
	250	SUS304	SUS304	FC200

※3 The impeller material for 32mm in nominal diameter (A-type) is PPS (polyphenylene sulfide resin).



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

■ Model type description

LP 25 A 6 .05 S

① ② ③ ④ ⑤ ⑥

- ① Model
- ② Nominal diameter (25mm)
- ③ Type
- ④ Frequency (60Hz)
- ⑤ Output (40W)
- ⑥ Phase (S: Single-phase, None: Three-phase)

LP 150 K - 6 15 H

① ② ③ ④ ⑤ ⑥

- ① Model
- ② Nominal diameter (150mm)
- ③ Type
- ④ Frequency (60Hz)
- ⑤ Output (15kW)
- ⑥ High back pressure spec (H)
None: Standard spec

● Bore 125 – 200

		Standard spec	High back pressure spec
Pumping liquid	Liquid quality	Fresh water (brine supported as custom-made)	
	Liquid temperature	0 – 80°C	
Total suction head		-6m (20°C) For use with the total head 10m or less, take 60% or less of the total head.	
Allowable push-in pressure		1.37 [MPa] – Shutoff total head [m]/102	1.6MPa
Structure	Impeller	Closed	
	Shaft seal	Mechanical seal SiC - carbon	
	Bearing	Sealed ball bearing (angular contact ball bearing only on the load side of 75kW)	
Material	Impeller	CAC406	
	Shaft	SUS420J2	
	Casing	FCD450	
Motor	Type	Totally-enclosed-fan-cooled outdoor type	
	Power supply	37kW or less, 200/220V 45kW or more, 200/220/400/440V	
	Synchronous rotation speed	1800min ⁻¹	
Flange spec		JIS 10K (normal)	JIS20K

* For use of brine, contact our Sales Office as it depends on liquid quality.

■ Standard accessories

● Bore 25

Companion flange (bolt, nut, and packing included)2 sets

● Bore 125 – 200

Base plate, packing, and coupling cover2 sets

■ Special specifications

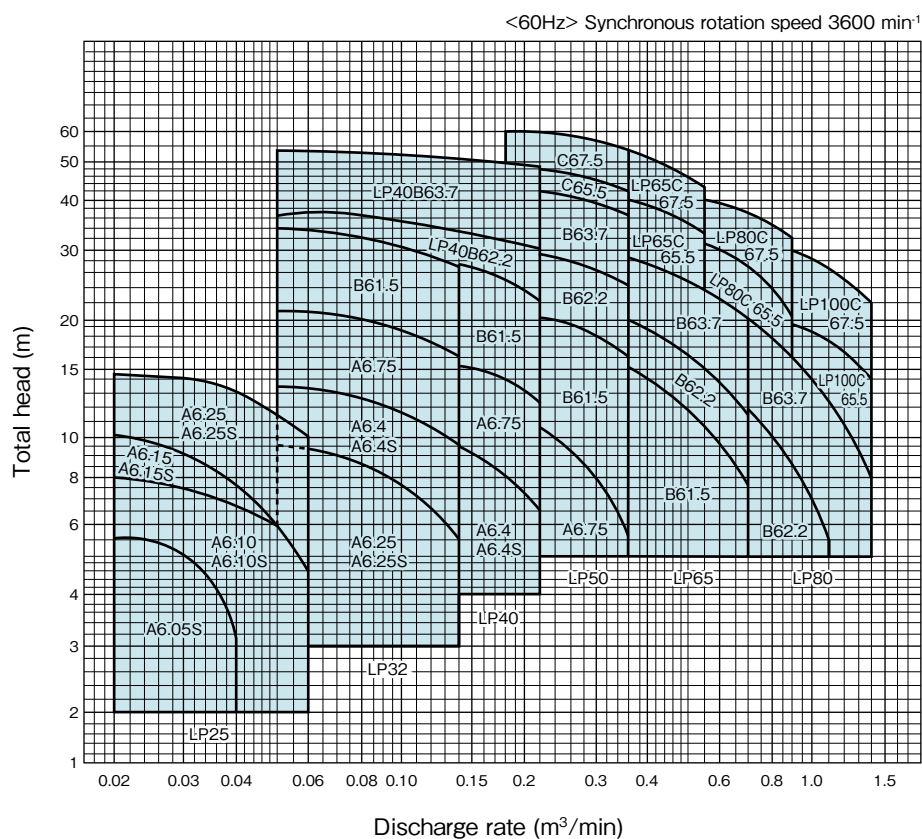
Motor change Voltage change, high efficiency (bore 125 – 200 only)

■ Special accessories

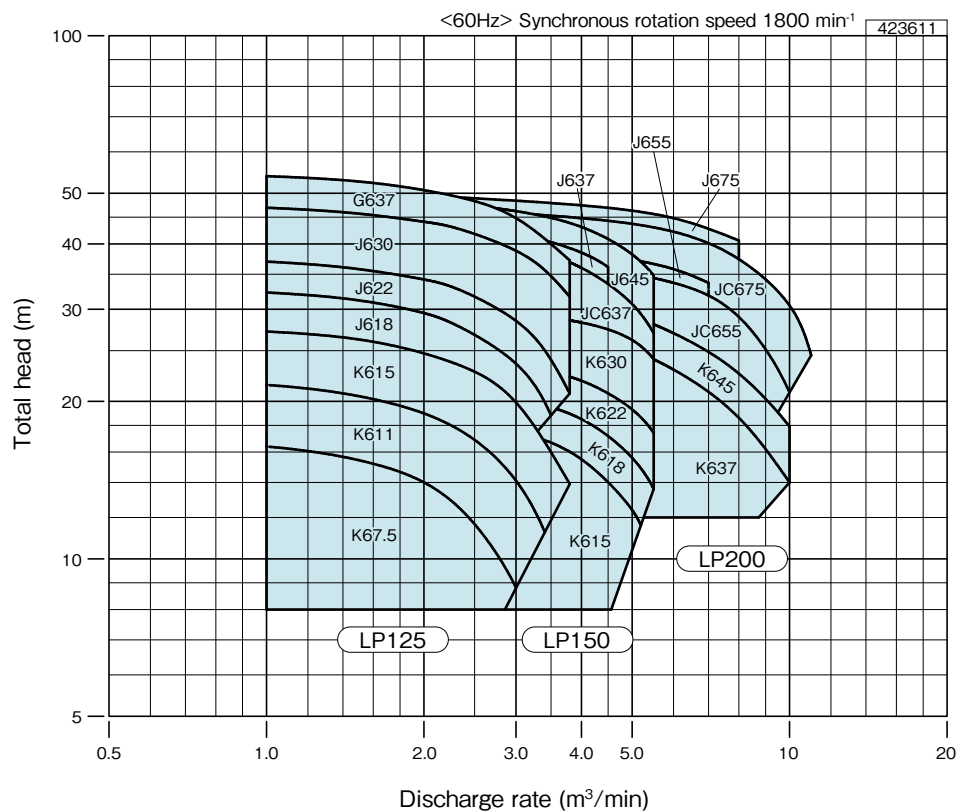
Companion flange ... Packing, bolt, and nut included (except for 25mm bore),
sluice valve, check valve, pressure gauge, vacuum gauge, compound gauge,
foot valve, welded flange, anti-vibration mount

Performance drawing

● Bore 25 – 100



● Bore 125 – 200



Specifications table

Phase	Nominal diameter mm	Model	Output W	Specifications						Allowable push-in pressure MPa
				Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	
Single-phase	25	LP25A6.05S	50	0.02	5.5	0.03	5	0.04	3	0.1
		LP25A6.10S	100	0.02	8	0.035	7	0.05	6	0.1
		LP25A6.15S	150	0.02	10	0.04	7.5	0.06	4.5	0.1
		LP25A6.25S	250	0.02	14.5	0.04	13	0.06	10	0.20
	32	LP32A6.25S	250	0.05	9.5	0.10	7.5	0.14	5.5	0.39
		LP32A6.4S	400	0.05	13.5	0.10	11.5	0.14	9.5	0.39
	40	LP40A6.4S	400	0.11	10	0.18	8	0.22	6.5	0.39

Phase	Nominal diameter mm	Model	Output kW	Specifications						Allowable push-in pressure MPa
				Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	
Three-phase	25	LP25A6.10	0.10	0.02	8	0.035	7	0.05	6	0.1
		LP25A6.15	0.15	0.02	10	0.04	7.5	0.06	4.5	0.20
		LP25A6.25	0.25	0.02	14.5	0.04	13	0.06	10	0.20
	32	LP32A6.25	0.25	0.05	9.5	0.1	7.5	0.14	5.5	0.39
		LP32A6.4	0.4	0.05	13.5	0.1	11.5	0.14	9.5	0.39
		LP32A6.75	0.75	0.05	21	0.1	18.5	0.14	16	0.39
	40	LP32B61.5	1.5	0.05	34	0.1	30.5	0.14	27	0.59
		LP40A6.4	0.4	0.11	10	0.18	8	0.22	6.5	0.39
		LP40A6.75	0.75	0.11	15.5	0.18	14	0.22	12.5	0.39
		LP40B61.5	1.5	0.11	28.5	0.18	25	0.22	22	0.59
	50	LP40B62.2	2.2	0.05	37	0.11	35	0.22	30	0.59
		LP40B63.7	3.7	0.05	53	0.11	52	0.22	48	0.46
		LP50A6.75	0.75	0.18	11.5	0.28	8.5	0.36	5.5	0.39
		LP50B61.5	1.5	0.18	21	0.28	18.5	0.36	16	0.59
	65	LP50B62.2	2.2	0.18	29.5	0.28	27	0.36	24.5	0.59
		LP50B63.7	3.7	0.18	43.5	0.28	40	0.36	37	0.50
		LP50C65.5	5.5	0.18	48	0.28	45	0.36	42	0.39
		LP50C67.5	7.5	0.18	60	0.28	57	0.36	53	0.39
	80	LP65B61.5	1.5	0.28	16	0.45	13	0.7	7.5	0.59
		LP65B62.2	2.2	0.28	21	0.45	17.5	0.7	11.5	0.59
		LP65B63.7	3.7	0.28	30	0.45	26	0.7	20.5	0.59
		LP65C65.5	5.5	0.28	43	0.45	37	0.56	33	0.39
	100	LP65C67.5	7.5	0.28	56	0.45	49	0.56	43	0.39
		LP80B62.2	2.2	0.45	15	0.7	12	1.1	5.5	0.59
		LP80B63.7	3.7	0.45	23	0.7	20	1.4	8	0.59
		LP80C65.5	5.5	0.45	32	0.7	27	0.9	20	0.39
	100	LP80C67.5	7.5	0.45	42	0.7	37	0.9	32	0.39
		LP100C65.5	5.5	0.71	21	1.1	17.5	1.4	14	0.39
		LP100C67.5	7.5	0.71	31	1.1	27	1.4	22	0.39

Nominal diameter mm	Model	Output kW	Specifications						Allowable push-in pressure MPa	
			Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	Discharge rate m³/min	Total head m	Standard spec	High back pressure spec
125	LP125K-67.5(H)	7.5	1.0	16.4	2.3	12.7	3.0	8.8	1.19	1.6
	LP125K-611(H)	11	1.0	21.5	2.3	17.8	3.4	11.3	1.14	
	LP125K-615(H)	15	1.0	27.2	2.3	23.6	3.8	13.9	1.09	
	LP125J-618(H)	18.5	1.0	32.3	2.3	28.0	3.5	18.8	1.03	
	LP125J-622(H)	22	1.0	37.0	2.3	32.9	3.8	20.7	0.98	
	LP125J-630(H)	30	1.0	46.9	2.3	42.9	3.8	31.7	0.88	
150	LP125G-637(H)	37	1.0	53.9	2.3	49.3	3.8	37.2	0.82	
	LP150K-615(H)	15	2.0	18.7	4.0	15.5	5.2	11.6	1.17	
	LP150K-618(H)	18.5	2.0	21.5	4.0	18.5	5.5	13.6	1.12	
	LP150K-622(H)	22	2.0	24.7	4.0	21.9	5.5	17.4	1.09	
	LP150K-630(H)	30	2.0	30.6	4.0	28.3	5.5	24.1	1.03	
	LP150J-637(H)	37	2.0	44.1	4.0	38.5	4.5	36.1	0.90	
200	LP150JC-637(H)	37	2.0	41.8	4.0	36.0	5.5	27.0	0.93	
	LP150J-645(H)	45	2.0	48.2	4.0	43.1	5.5	34.8	0.86	
	LP200K-637(H)	37	4.0	26.9	8.0	18.6	10.0	14.0	1.06	
	LP200K-645(H)	45	4.0	31.0	8.0	22.6	10.0	17.9	1.02	
	LP200J-655(H)	55	4.0	38.4	7.0	33.7	—	—	0.95	
	LP200JC-655(H)	55	4.0	36.1	8.0	29.0	10.0	20.8	0.97	
	LP200J-675(H)	75	4.0	47.8	8.0	40.6	—	—	0.86	
	LP200JC-675(H)	75	4.0	44.8	8.0	37.4	11.0	24.5	0.88	

Motor specifications table

Classification		Output W	Rating			Starting			Heat-resistance class	Bearing	
Phase	Protection method		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	0.05	100	1.0	3320	112	2.4	Capacitor	E	6200VV	6200VV
		0.1	100	2.2	3330	60	6.8	Capacitor	E	6201VV	6201VV
		0.15	100	2.7	3300	52.6	7.7	Capacitor	E	6200DDU	6200DDU
		0.25	100	5.5	3540	101	32.3	Capacitor	E	6204ZZC3	6203ZZC3
		0.4	100	6.6	3470	62	32.3	Capacitor	E	6204ZZC3	6203ZZC3
Three-phase	Drip-proof protected type	0.1	200	0.9	3320	375	3.2	Direct-on-Line start	E	6201VV	6201VV
		0.15	200	0.8	3330	355.3	4.8	Direct-on-Line start	E	6200DDU	6200DDU
	Totally-enclosed-fan-cooled outdoor type	0.25	200/220	1.2/1.1	3380/3430	260/314	6.7/7.3	Direct-on-Line start	F	6204ZZC3	6203ZZC3
		0.4	200/220	1.8/1.8	3460/3480	441/533	15.2/16.7	Direct-on-Line start	F	6204ZZC3	6203ZZC3
		0.75	200/220	3.1/3.0	3450/3480	307/372	23.9/26.3	Direct-on-Line start	F	6205ZZC3	6204ZZC3
		1.5	200/220	6.2/5.8	3370/3420	241/291	37.5/41.5	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		2.2	200/220	8.6/7.8	3360/3410	255/309	54.6/60.0	Direct-on-Line start	F	6306ZZC3	6205ZZC3
		3.7	200/220	14.0/13.0	3380/3420	245/295	96.0/105	Direct-on-Line start	F	6307ZZC3	6306ZZC3
		5.5	200/220	21.0/19.5	3520/3530	215/260	132/145	Direct-on-Line start	F	6308ZZC3	6306ZZC3
		7.5	200/220	27.5/25.0	3510/3520	232/281	178/196	Direct-on-Line start	F	6308ZZC3	6306ZZC3

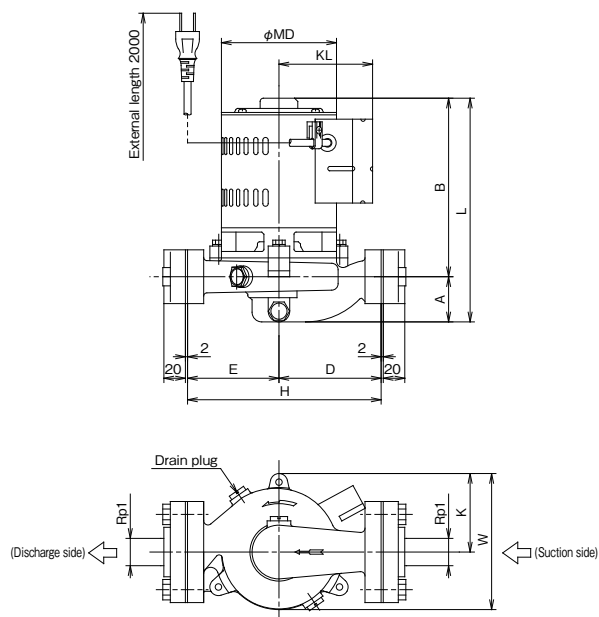
Parts list

Model	Mechanical seal	O-ring (for casing)
LP25A6.05S	EA-104-9	G95
LP25A6.10S	EH-791	G95
LP25A6.15S	EA560-008	G95
LP25A6.25S	H-16	G120
LP32A6.25S	H-16	G120
LP32A6.4S	H-16	G120
LP40A6.4S	H-16	G120
LP25A6.10	EH-791	G95
LP25A6.15	EA560-008	G95
LP25A6.25	H-16	G120
LP32A6.25	H-16	G120
LP32A6.4	H-16	G120
LP32A6.75	H-16	G120
LP32B6.15	H-20H	K184
LP40A6.4	H-16	G120
LP40A6.75	H-16	G120
LP40B61.5	H-20H	G140
LP40B62.2	H-20H	K184

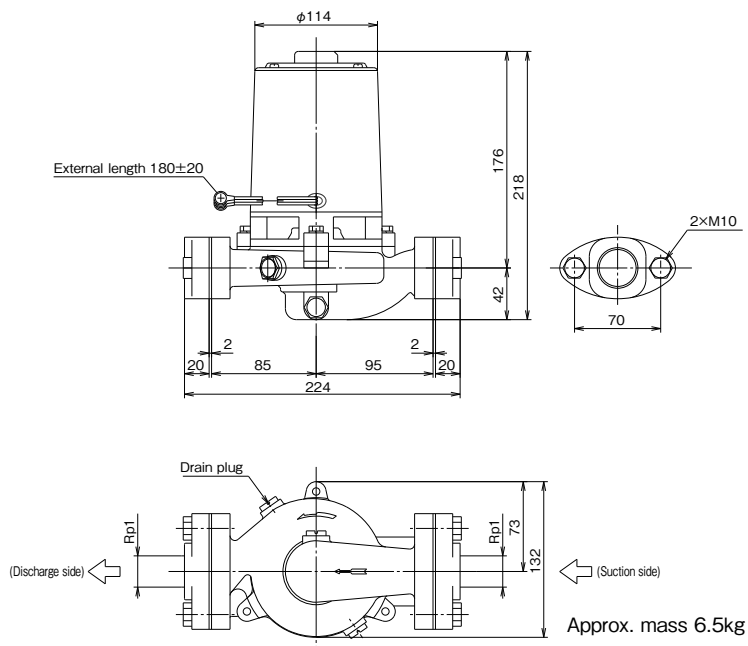
Model	Mechanical seal	O-ring (for casing)
LP40B63.7	H-20H	K184
LP50A6.75	H-16	G120
LP50B61.5	H-20H	G140
LP50B62.2	H-20H	G140
LP50B63.7	H-20H	K184
LP50C65.5	EA560-25	K198
LP50C67.5	EA560-25	K198
LP65B61.5	H-20H	G140
LP65B62.2	H-20H	G140
LP65B63.7	H-20H	G140
LP65C65.5	EA560-25	K198
LP65C67.5	EA560-25	K198
LP80B62.2	H-20H	G140
LP80B63.7	H-20H	G140
LP80C65.5	EA560-25	K198
LP80C67.5	EA560-25	K198
LP100C65.5	EA560-25	K198
LP100C67.5	EA560-25	K198

Assembly drawing

●LP25A6.05S・6.10S



●LP25A6.10

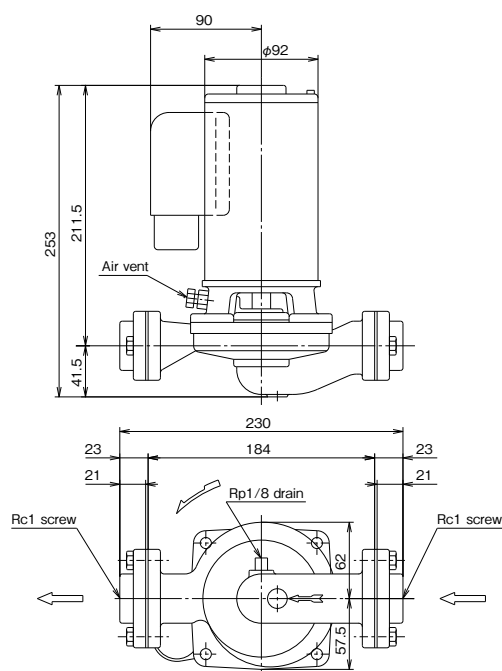


Size table

(Unit: mm)

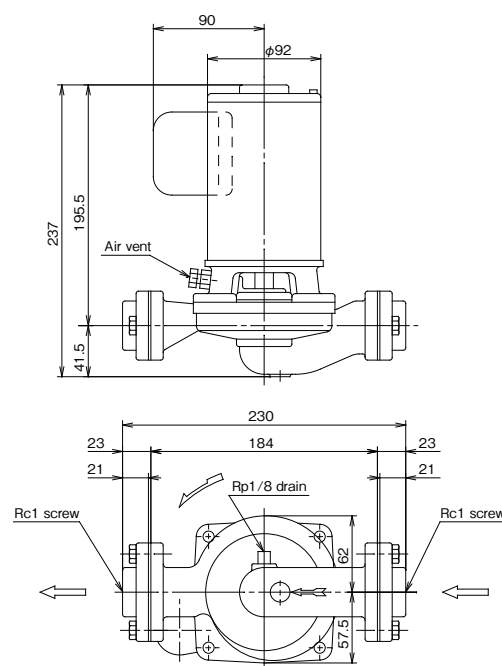
Nominal diameter d	Model	Phase and voltage V	Output W	Pump and motor										Approx. mass kg
				A	B	D	E	H	K	L	W	KL	MD	
25	LP25A6.05S	Single-phase, 100	50	29	159	69	69	138	68	188	127	85.5	99	5.5
	LP25A6.10S		100	42	176	95	85	180	73	218	132	90.3	109	7.2

●LP25A6.15S



Nominal diameter d	Model	Phase and voltage	Output W	Approx. mass kg
25	LP25A6.15S	Single-phase, 100V	150	7.5

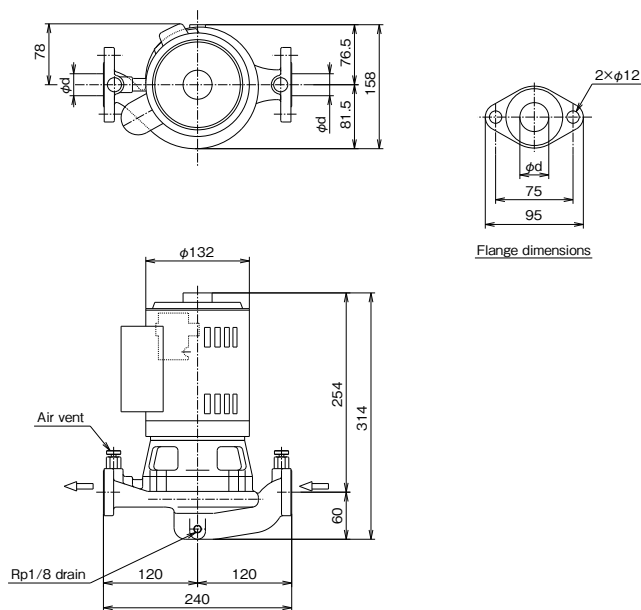
●LP25A6.15



Nominal diameter d	Model	Phase and voltage	Output kW	Approx. mass kg
25	LP25A6.15	Three-phase, 200/220V	0.15	6.4

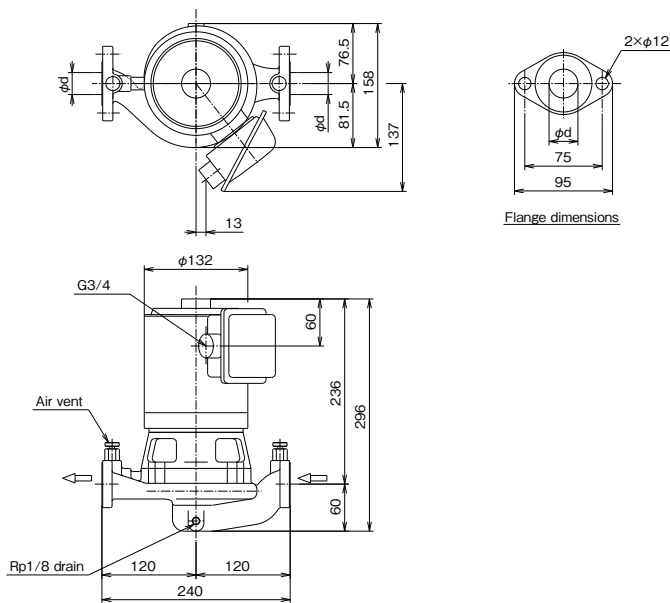
Assembly drawing

●LP25A6.25S



Nominal diameter d	Model	Phase and voltage	Output W	Approx. mass kg
25	LP25A6.25S	Single-phase, 100V	250	16.5

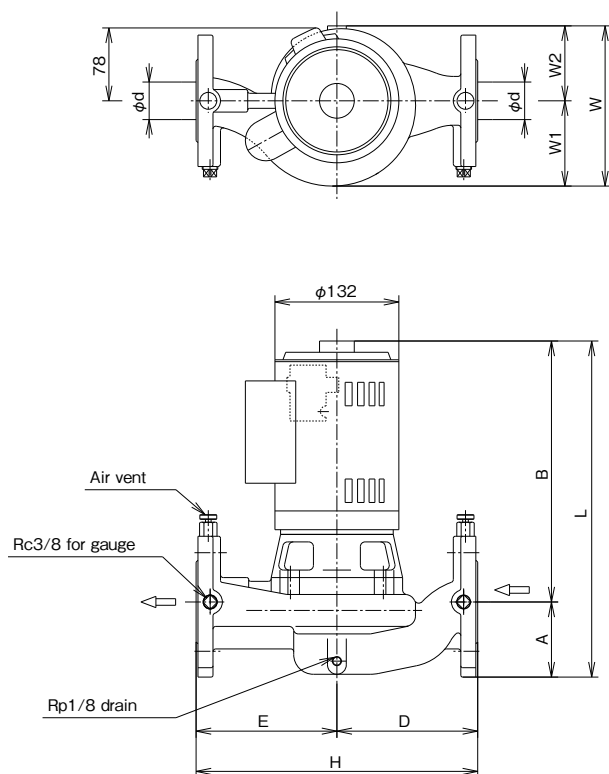
●LP25A6.25



Nominal diameter d	Model	Phase and voltage	Output kW	Approx. mass kg
25	LP25A6.25	Three-phase, 200/220V	0.25	15.3

●LP32 – 50A single-phase

☆Flange dimensions: JIS 10K low-profile flange or equivalent



Size table

(Unit: mm)

Nominal diameter d	Model	Phase and voltage	Output W	Pump and motor				
				A	B	D	E	H
32	LP32A6.25S	Single-phase, 100V	250	70	258	140	140	280
	LP32A6.4S		400	70	276	140	140	280
40	LP40A6.4S		400	80	278	150	150	300

Model	Pump and motor				Approx. mass kg
	L	W	W1	W2	
LP32A6.25S	328	173	92	81	26
LP32A6.4S	346	173	92	81	27
LP40A6.4S	358	171	91	80	29

Assembly drawing

☆Flange dimensions: JIS 10K low-profile flange or equivalent

●LP32 - 40A 0.25kW

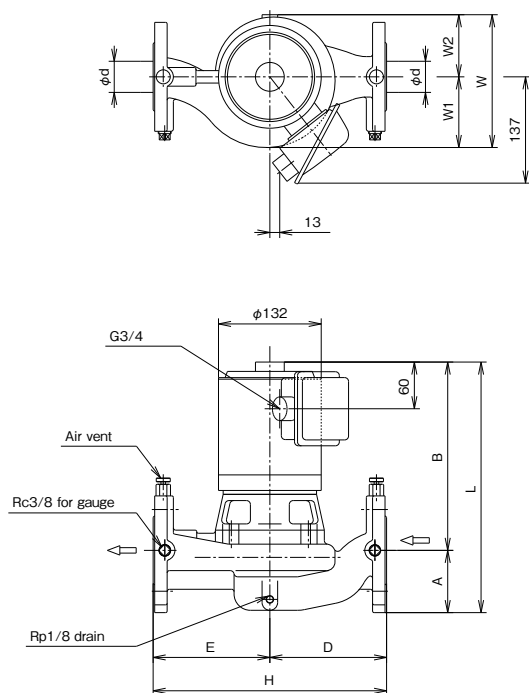


Fig. 1

●LP32 - 65A 0.4 - 0.75kW

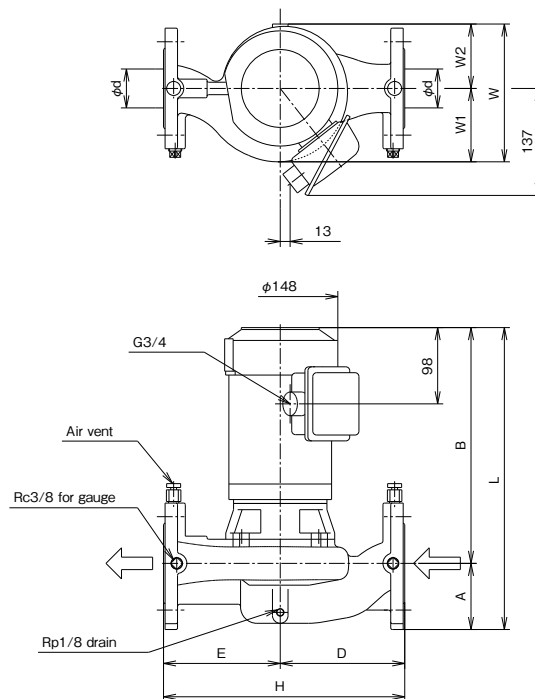


Fig. 2

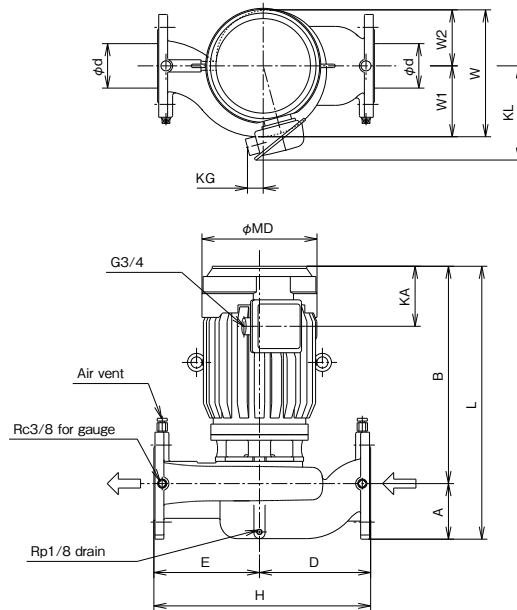
Size table

(Unit: mm)

Fig.	Nominal diameter d	Model	Phase and voltage	Output kW	Pump and motor									Approx. mass kg
					A	B	D	E	H	L	W	W1	W2	
1	32	LP32A6.25	Three-phase, 200/220V	0.25	70	240	140	140	280	310	174	92	82	22
2		LP32A6.4		0.4	70	278	140	140	280	348	173	92	81	26
2		LP32A6.75		0.75	70	296	140	140	280	366	173	92	81	33
2	40	LP40A6.4		0.4	80	280	150	150	300	360	171	91	80	27
2		LP40A6.75		0.75	80	298	150	150	300	378	171	91	80	33
2	50	LP50A6.75		0.75	85	303	160	150	310	388	178	95	83	35

Assembly drawing

●LP-B type

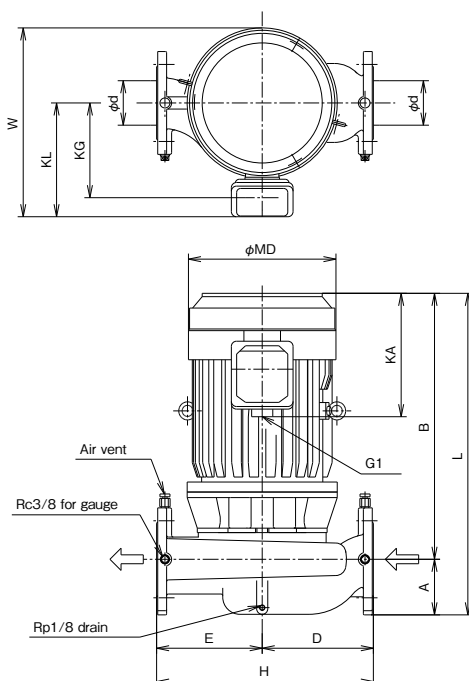


Size table

(Unit: mm)

Nominal diameter d	Model	Phase and voltage	Output kW	Pump and motor														Approx mass kg
				A	B	D	E	H	L	W	W1	W2	KA	KG	KL	MD		
32	LP32B61.5	Three-phase, 200/220V	1.5	75	328	155	155	310	403	213	110	103	98	31	157	184	30	
40	LP40B61.5		1.5	80	332	150	150	300	412	179	94	85	98	31	157	184	29	
	LP40B62.2		2.2	80	375	170	170	340	455	216	112	104	106	28	169	207	40	
	LP40B63.7		3.7	80	381	170	170	340	461	216	112	104	108	28	169	207	50	
50	LP50B61.5		1.5	80	337	155	155	310	417	188	100	88	98	31	157	184	31	
	LP50B62.2		2.2	80	375	155	155	310	455	188	100	88	106	28	169	207	41	
	LP50B63.7		3.7	80	381	175	165	340	461	228	120	108	108	28	169	207	52	
65	LP65B61.5		1.5	95	345	175	165	340	440	218	121	97	98	31	157	184	35	
	LP65B62.2		2.2	95	383	175	165	340	478	218	121	97	106	28	169	207	45	
	LP65B63.7		3.7	95	389	175	165	340	484	218	121	97	108	28	169	207	56	
80	LP80B62.2		2.2	100	385	200	190	390	485	228	127	101	106	28	169	207	52	
	LP80B63.7		3.7	100	391	200	190	390	491	228	127	101	108	28	169	207	62	

●LP-C type



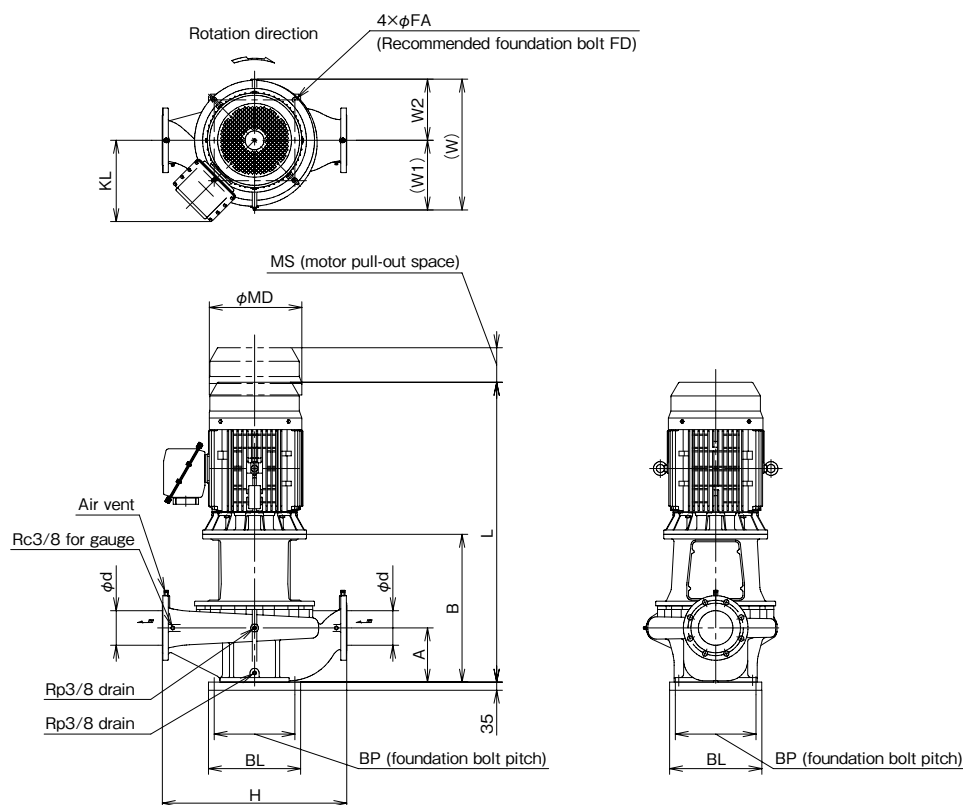
Size table

(Unit: mm)

Nominal diameter d	Model	Phase and voltage	Output kW	Pump and motor									Approx. mass kg
				A	B	D	E	H	L	W	KL	MD	
50	LP50C65.5	Three-phase, 200/220V	5.5	85	436	170	170	340	521	325	190	228	73
	LP50C67.5		7.5	85	476	170	170	340	561	340	205	266	93
65	LP65C65.5		5.5	95	436	185	185	370	531	325	190	228	79
	LP65C67.5		7.5	95	476	185	185	370	571	340	205	266	99
80	LP80C65.5		5.5	100	439	200	190	390	539	325	190	228	79
	LP80C67.5		7.5	100	479	200	190	390	579	340	205	266	99
100	LP100C65.5		5.5	115	438	225	205	430	553	325	190	228	86
	LP100C67.5		7.5	115	478	225	205	430	593	340	205	266	106

Assembly drawing

●LP125~200



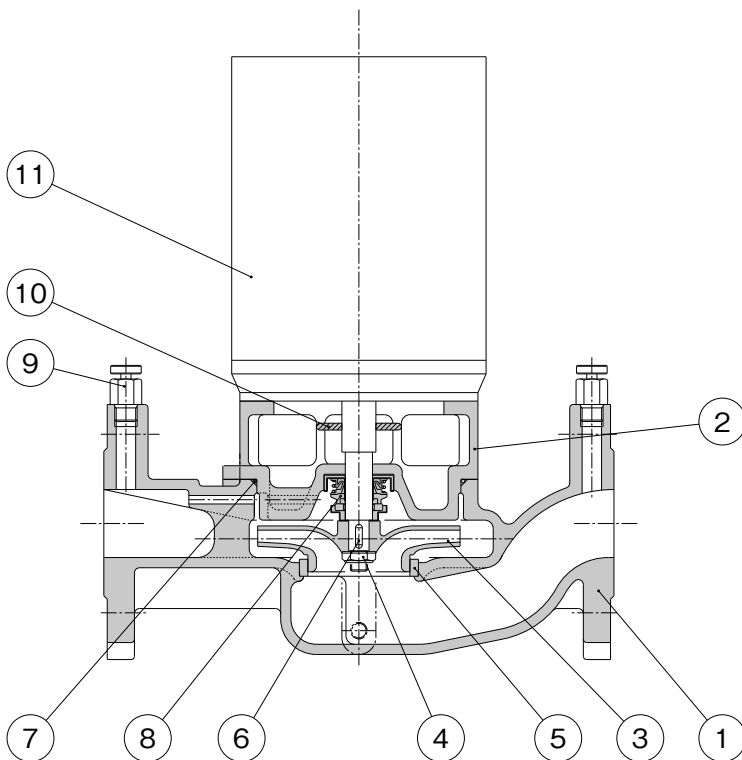
Size table

(Unit: mm)

Nominal diameter d	Model	Output kW	A	B	H	L	W	W1	W2	KL	MD	MS	BL	BP	FA	FD	Approx. mass kg
125	LP125K-67.5	7.5	215	554	700	962	452	250	202	216	243	90	350	300	23	M20	235
	LP125K-611	11	215	584	700	1077	452	250	202	261	303	120	350	300	23	M20	275
	LP125K-615	15	215	584	700	1099	452	250	202	263	303	120	350	300	23	M20	291
	LP125J-618	18.5	215	586	800	1148	507	275	232	339	370	120	350	300	23	M20	411
	LP125J-622	22	215	586	800	1148	507	275	232	339	370	120	350	300	23	M20	421
	LP125J-630	30	215	586	800	1186	507	275	232	339	370	120	350	300	23	M20	451
150	LP125G-637	37	215	621	800	1281	578	310	268	353	410	150	350	300	23	M20	527
	LP150K-615	15	215	596	800	1111	504	285	219	263	303	120	400	350	23	M20	335
	LP150K-618	18.5	215	596	800	1158	504	285	219	339	370	120	400	350	23	M20	412
	LP150K-622	22	215	596	800	1158	504	285	219	339	370	120	400	350	23	M20	422
	LP150K-630	30	215	596	800	1196	504	285	219	339	370	120	400	350	23	M20	451
	LP150J(C)-637	37	215	626	800	1286	546	300	246	353	410	150	400	350	23	M20	549
200	LP150J-645	45	215	626	800	1286	546	300	246	353	410	150	400	350	23	M20	565
	LP200K-637	37	295	709	900	1369	575	330	245	353	410	150	500	410	25	M22	613
	LP200K-645	45	295	709	900	1369	575	330	245	353	410	150	500	410	25	M22	629
	LP200J(C)-655	55	295	728	1000	1401	637	360	277	367	456	150	500	410	25	M22	778
	LP200J(C)-675	75	295	728	1000	1823	637	360	277	405	535	150	500	410	25	M22	1150

Example of internal structure diagram

●LP40 – 50A single-phase



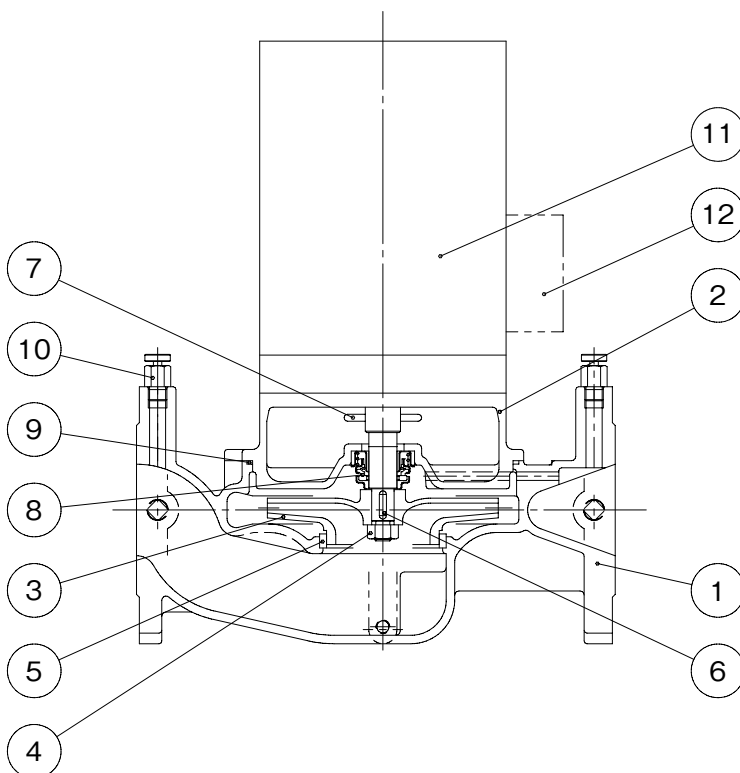
Parts list

No.	Part name	Qty	Material
1	Casing	1	FC200
2	Frame	1	FC200
3	Impeller	1	CAC406
4	Impeller nut	1	SUS304
5	Wearing ring	1	CAC406
6	Key	1	SUS420J2
7	O-ring	1	NBR
8	Mechanical seal	1	CERAMICS~CARBON
9	Air vent valve	2	C3604BD
10	Deflector	1	CR
11	Motor	1	

Applicable models: LP40A6.25S / LP40A6.4S / LP50A6.4S

Example of internal structure diagram

●LP40 - 80B 1.5kW



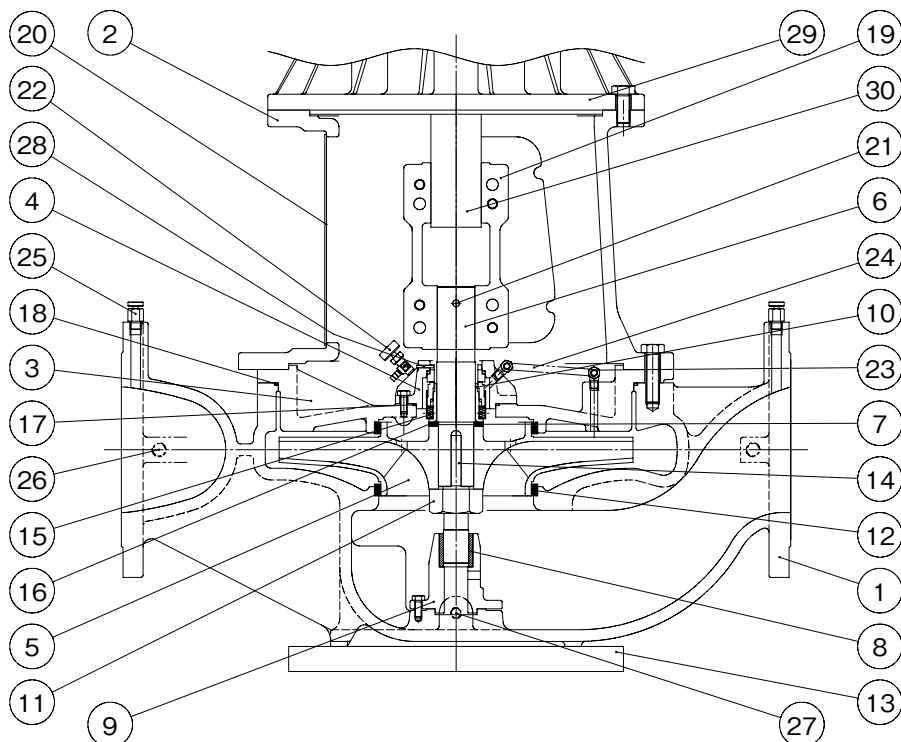
Parts list

No.	Part name	Qty	Material
1	Casing	1	FC200
2	Frame	1	FC200
3	Impeller	1	CAC406
4	Impeller nut	1	SUS304
5	Wearing ring	1	CAC406
6	Key	1	SUS304
7	Deflector	1	CR
8	Mechanical seal	1	SIC~CARBON
9	O-ring	1	NBR
10	Air vent valve	2	C3604BD
11	Motor	1	
12	Terminal box	1	

Applicable models: LP32B-61.5 / LP40B-61.5 / LP50B-61.5
LP65B-61.5

Example of internal structure diagram

●LP125 - 200



Parts list

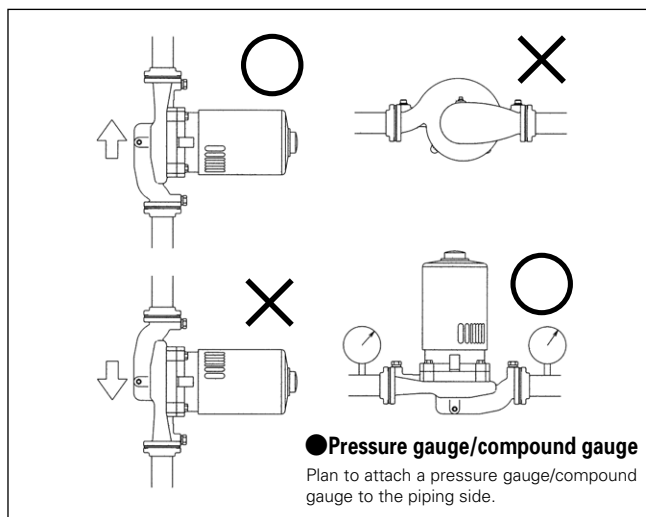
No.	Part name	Qty	Material
1	Casing	1	FCD450
2	Frame	1	FC200
3	Casing cover	1	FCD450
4	Seal cover	1	FC200
5	Impeller	1	CAC406
6	Shaft	1	SUS420J ₂
7	Spacer	1	SUS304
8	Slide bearing	1	Cu-Sn-C
9	Bearing holder	1	FC200
10	Sleeve	1	SUS304
11	Impeller nut	1	SUS304
12	Wearing ring	2	CAC406
13	Common base	1	SS400
14	Key	1	SUS304
15	Mechanical seal	1	SIC~CARBON

No.	Part name	Qty	Material
16	O-ring	1	NBR
17	O-ring	1	NBR
18	O-ring	1	NBR
19	Coupling	1	FCD450
20	Coupling cover	2	SUS304
21	Parallel pin	1	S45C
22	Air vent valve	1	C3771B
23	Conduit joint	2	C3771B
24	Seal water pipe	1	NYRON
25	Air vent valve	2	C3604BD
26	Plug	2	SS400
27	Plug	2	SS400
28	Roll pin*	1	SUS304
29	Motor	1	
30	Motor shaft	1	S45C

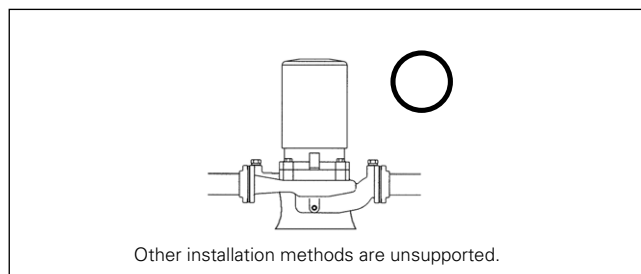
The part marked with ※ is adapted to type: **H (high push-in type) only.

Installation method

●LP25~100



●LP125~200



[illegible]

This image shows a full page of a notebook or memo pad. At the very top, the word "MEMO" is printed in a large, bold, black sans-serif font. A solid horizontal line runs across the page just below the title. The rest of the page is filled with horizontal ruling lines. Each ruling unit consists of a short-dashed line followed by a longer gap, creating a series of open spaces for writing. This pattern repeats down the entire length of the page.

This image shows a full page of a worksheet designed for handwriting practice. It features approximately 20 horizontal rows. Each row is defined by two parallel dashed lines, creating a series of uniform gaps where letters can be written. The lines are evenly spaced across the entire page, providing a guide for letter height and placement. There is no text or other markings on the page.

Your Dealer

TERAL

TERAL INC.

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

TERAL ASIA LTD.

Room 1001, 10/F, Olympia Plaza, 255 King's Road, North Point, Hong Kong Tel.+852-2571-0886 Fax.+852-2571-0619

TERAL THAI CO., LTD.

TERAL TRADING & SERVICE CO., LTD.

150 Moo 16 Udomsoraryuth Rd., T.Bangkrasan, A.Bangpa-In, Ayutthaya 13160 Thailand Tel.+66-3522-0640 Fax.+66-3522-1259

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