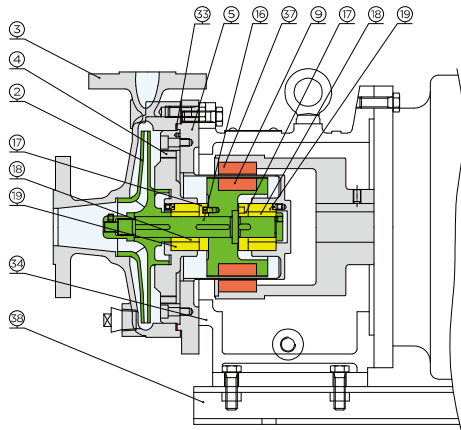
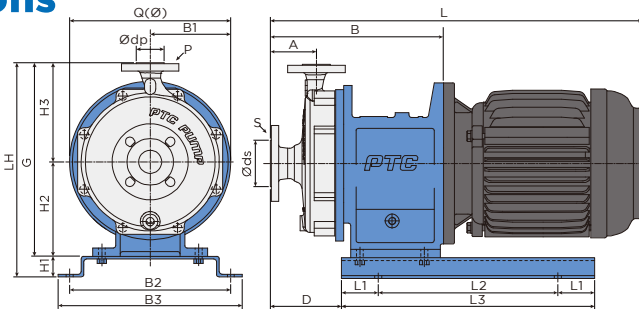


Construction and Material



No.	Parts Name	Material
②	Impeller	SUS316L
③	Front casing	SUS316L
④	Casing cover	SUS316L
⑤	Rear casing	SUS316L
⑨	Inner magnet	SUS316L+Rare earth
⑯	Shaft	SUS316L
⑰	Thrust ring	SiC
⑱	Sleeve	SiC
⑲	Bearing	SiC
⑬	Gasket	PTFE
②④	Frame adapter	SS400
②⑦	Outer magnet	SS400+Rare earth
②⑧	Baseplate	FC25

Dimensions



Unit:mm

Model	Motor		Bore				Pump size															
	Frame Size	Output (KW)	Suct.		Disch.		LH	G	H1	H2	H3	B1	B2	B3	Q (ø)	A	B	L	D	L1	L2	L3
			ds	S	dp	P																
PL-40x25-160	132L	5.5/7.5	40	ANSI Class 150 / JIS 70K / DIN PN16	25	ANSI Class 150 / JIS 70K / DIN PN16	375	335	40	170	165	150	350	400	300	100	341	*Note1.	149.5	80	240	400
	160L	11/15/18.5					415	370	45	205	175	350	400	350	100	371	390					
PL-40x25-200	132L	5.5/7.5	40		25		375	335	40	170	165	150	350	400	300	100			341	149.5	80	240
	160L	11/15/18.5					415	370	45	205	175	350	400	350	100	371	390		550			
PL-40x25-200LF	132L	5.5/7.5	40		25		375	335	40	170	165	150	350	400	300	100				341	149.5	80
	160L	11/15/18.5					415	370	45	205	169	350	400	338	100	376	390		550			
PL-50x25-250LF	132L	5.5/7.5	50		25		425	385	40	170	215	169	350	400	338	100				346	154.5	80
	160L	11/15/18.5					465	420	45	205	175	350	400	350	100	376	390		550			
PL-50x40-160	132L	5.5/7.5	50		40		375	335	40	170	165	150	350	400	300	100				341	149.5	80
	160L	11/15/18.5					415	370	45	205	175	350	400	350	100	371	390		550			
PL-50x40-200	132L	5.5/7.5	50		40		375	335	40	170	165	150	350	400	300	100				341	149.5	80
	160L	11/15/18.5					415	370	45	205	175	350	400	350	100	371	390		550			
PL-50x40-250	132L	5.5/7.5	50		40		425	385	40	170	215	169	350	400	338	100				346	154.5	80
	160L	11/15/18.5					465	420	45	205	175	350	400	350	100	376	390		550			
PL-80x50-160	132L	5.5/7.5	80		50		410	370	40	170	200	150	350	400	300	100				346	154.5	80
	160L	11/15/18.5					450	405	45	205	175	350	400	350	100	376	390		550			
PL-80x50-200	132L	5.5/7.5	80		50		410	370	40	170	200	150	350	400	300	100				346	154.5	80
	160L	11/15/18.5					450	405	45	205	175	350	400	350	100	376	390		550			
PL-100x80-160	132L	5.5/7.5	100		80		410	370	40	170	200	163.5	350	400	313.5	100				360	168.5	80
	160L	11/15/18.5					450	405	45	205	175	350	400	350	100	390	390		550			

*Note1. Dimension of (L) will differ depending on the brand and installation of the motor

PW Series

Regenerative turbine type

PW series is for low flow and high head process. The structural design is quieter than conventional mechanical seal pumps. Low heat-up during minimum flow operation and can be used in reverse operation without any problem.



← Cascade-bladed impeller

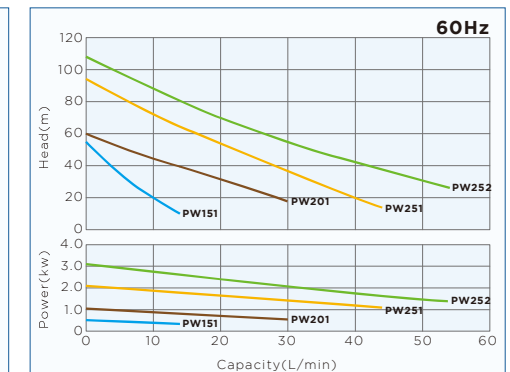
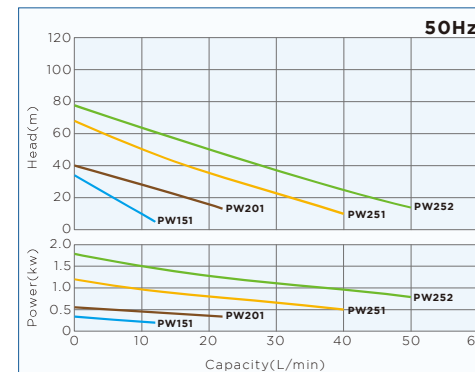


Specification

	PW	
Frequency	50Hz	60Hz
Max. capacity	49L/m	53L/m
Max. total head	78m	108m
Suction & discharge	15x15 - 25x25	
Temperature range	-80°C - 280°C	
Specific gravity	<2	
Viscosity	<300mPa.s(cp)	
Design pressure	1.6MPaG	
Flange standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor output	0.75KW - 3.7W	
Pump material	SUS316L(Standard) / Alloy20(Optional) / Has-C equivalent(Optional)	

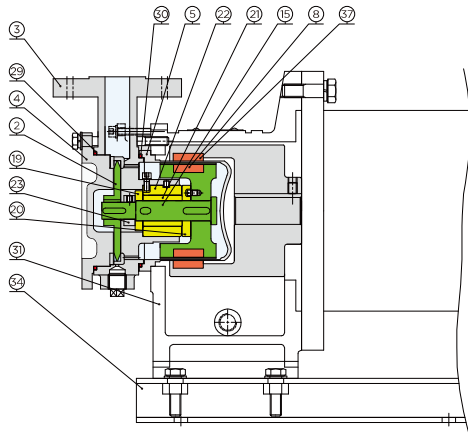
Performance Curve

PW151 / 201 / 251 / 252



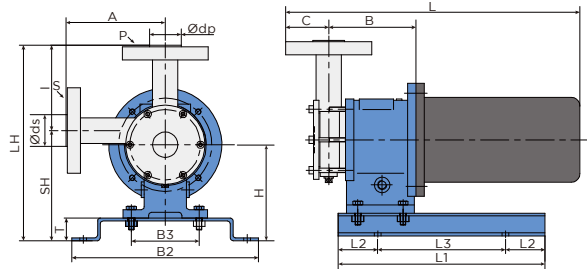
*The performance curve is for reference and preliminary selection only

Construction and Material



No.	Parts Name	Material
2	Impeller	SUS316L
3	Front casing	SUS316L
4	Casing cover	SUS316L
5	Rear casing	SUS316L
6	Inner magnet	SUS316L+Rare earth
7	Shaft	SUS316L
8	Thrust ring(A)	SiC
9	Thrust ring(B)	SiC
10	Sleeve	SiC
11	Bearing	SiC
12	Set ring	SUS316L
13	O-ring(1)	PTFE
14	O-ring(2)	PTFE
15	Frame adapter	FC25
16	Baseplate	SS400
17	Outer magnet	SS400+Rare earth

Dimensions



Model	Motor		Bore		Pump size													
	Frame Size	Output (KW)	Suct. ds	Disch. S	A	B	C	H	I	SH	LH	L	L1	L2	L3	B2	B3	T
PW151	80M	0.75	15	15	120	152	47.5	170	120	195	315	*Note1.	290	40	210	330	120	40
PW201	80M	0.75	20	20	120	155	52.5	170	120	195	315		290	40	210	330	120	40
PW251	90	1.5	25	25	120	155	57.5	170	120	195	315		290	40	210	330	120	40
PW252	90	1.5/2.2	25	25	120	155	57.5	170	120	195	315		290	40	210	330	120	40
	100L	3	30	30	120	155	57.5	170	120	195	315		290	40	210	330	120	40
	100L/112M	(3)/4	35	35	120	155	57.5	170	120	195	315		290	40	210	330	120	40

*Note1. Dimension of (L) will differ depending on the brand and installation of the motor

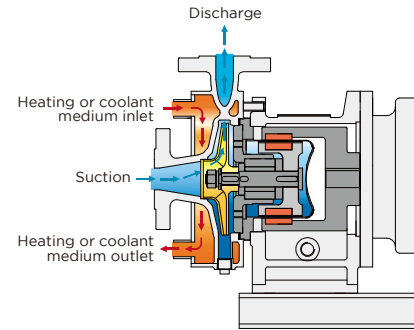
PSJ Series

Jacket type

PSJ series is in form of semi-jacketed type which is used to maintain process temperature and is high efficiency with cost effectiveness. The product is reliable and maintenance free feature to reduce the cost and expenditure.



Flow Channel

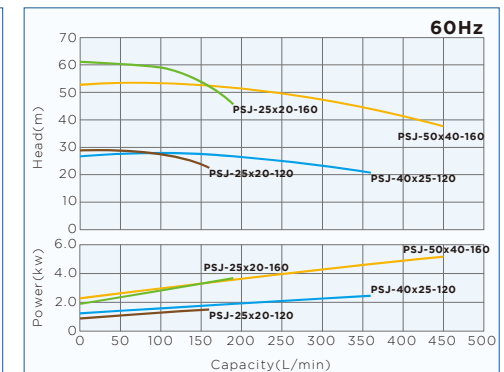
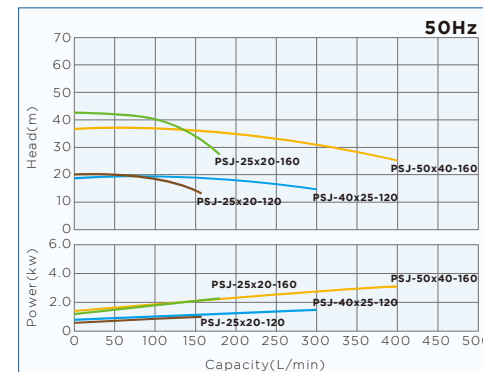


Specification

PSJ		
Frequency	50Hz	60Hz
Max. capacity	400L/m	450L/m
Max. total head	36.8m	53.1m
Suction & discharge	25x20 - 50x40	
Temperature range	-80°C - 280°C	
Specific gravity	<2	
Viscosity	<300mPa.s(cp)	
Design pressure	1.0MPaG	
Flange standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor output	0.75KW - 3.7W	
Pump material	SUS316L(Standard) / Alloy20(Optional) / Has-C equivalent(Optional)	

Performance Curve

PSJ-25x20-120, 25x20-160, 40x25-120, 50x40-160



*The performance curve is for reference and preliminary selection only