

PL Series

Large capacity

PL series is the largest capacity series with power up to 18.5KW (25HP), which can be used to process large flow and higher head. The series presents maintenance free, cost effective, advanced and more economical use. The sealless design protects the safety of the operators and avoids environmental pollution, making it the best choice for handling hazardous and toxic chemical liquids.

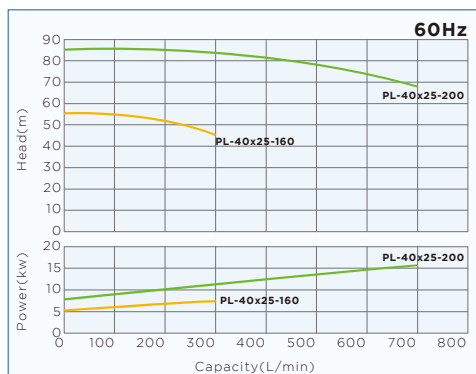
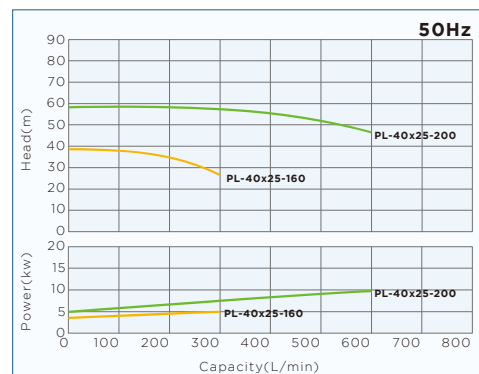


Specification

	PL	
Frequency	50Hz	60Hz
Max. capacity	1904L/m	2001L/m
Max. total head	91.3m	132m
Suction & discharge	40x25 - 100x80	
Temperature range	-80°C - 280°C	
Specific gravity	<2	
Viscosity	<300mPa.s(cp)	
Design pressure	1.2MPaG (*PL-50x25-250LF:1.6MPaG*)	
Flange standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor output	5.5KW - 18.5W	
Pump material	SUS316L(Standard) / Alloy20(Optional) / Has-C equivalent(Optional)	

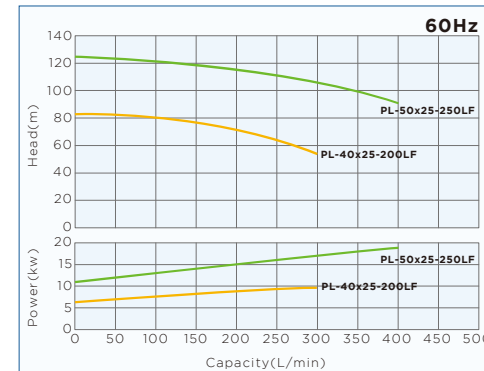
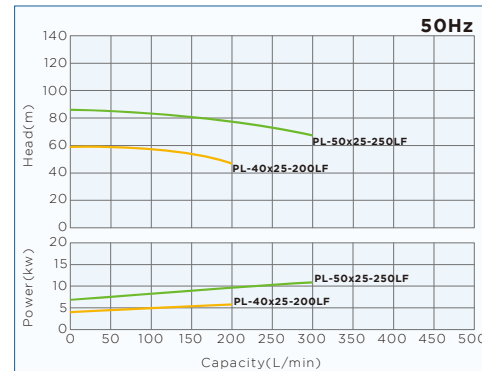
Performance Curve

PL-40x25-160 / 40x25-200

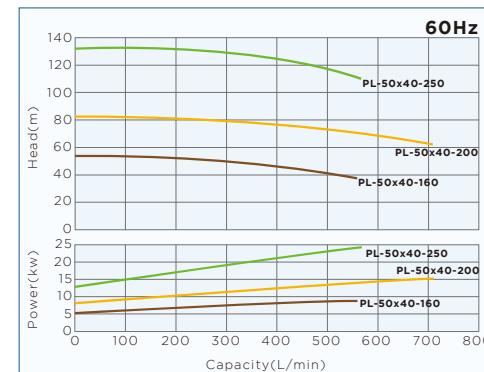
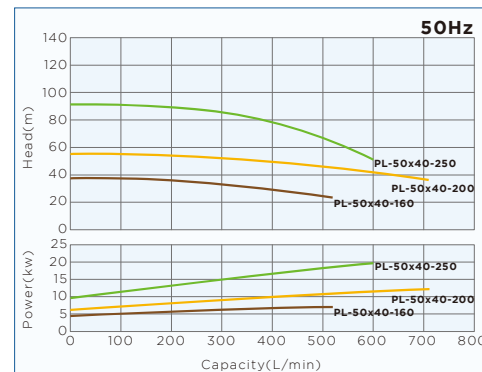


*The performance curve is for reference and preliminary selection only

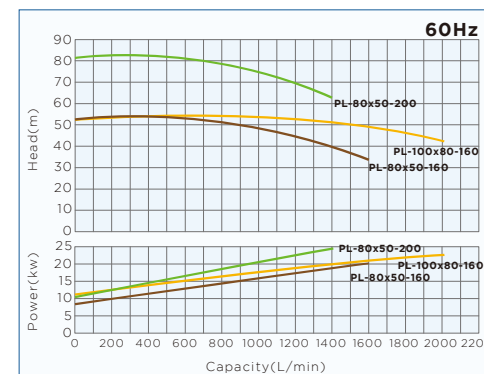
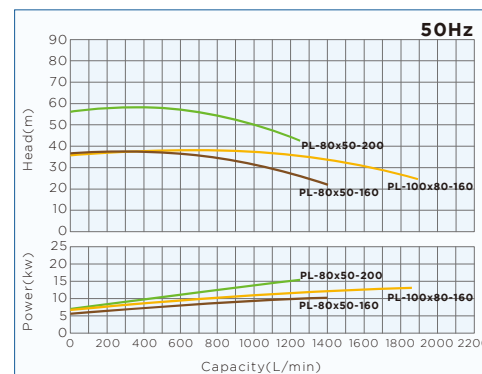
PL-40x25-200LF / 50x25-250LF



PL-50x40-160 / 50x40-200 / 50x40-250



PL-80x50-160 / 80x50-200 / 100x80-160



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PM

PS

PL

PW

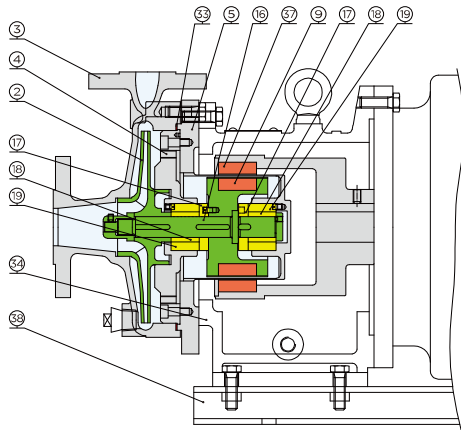
PSJ

PSO

PL2

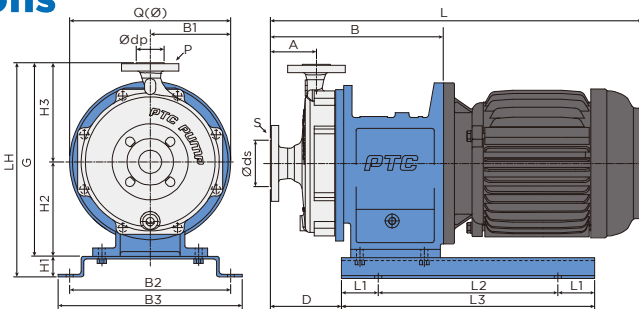
PC

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	25	25	25	375	335	40	170	165	150	350	400	300	100	341	149.5	80	240	400	
	160L	11/15/18.5					415	370	45	205	175	150	350	400	350	100	371					
PL-40x25-200	132L	5.5/7.5	40	25	25	25	375	335	40	170	165	150	350	400	300	100	341	149.5	80	240	400	
	160L	11/15/18.5					415	370	45	205	175	150	350	400	350	100	371					
PL-40x25-200LF	132L	5.5/7.5	40	25	25	25	375	335	40	170	165	150	350	400	300	100	341	149.5	80	240	400	
	160L	11/15/18.5					415	370	45	205	175	150	350	400	350	100	371					
PL-50x25-250LF	132L	5.5/7.5	50	25	25	25	425	385	40	170	215	169	350	400	338	100	346	154.5	80	240	400	
	160L	11/15/18.5					465	420	45	205	175	150	350	400	350	100	376					
PL-50x40-160	132L	5.5/7.5	50	40	40	40	375	335	40	170	165	150	350	400	300	100	341	149.5	80	240	400	
	160L	11/15/18.5					415	370	45	205	175	150	350	400	350	100	371					
PL-50x40-200	132L	5.5/7.5	50	40	40	40	375	335	40	170	165	150	350	400	300	100	341	149.5	80	240	400	
	160L	11/15/18.5					415	370	45	205	175	150	350	400	350	100	371					
PL-50x40-250	132L	5.5/7.5	50	40	40	40	425	385	40	170	215	169	350	400	338	100	346	154.5	80	240	400	
	160L	11/15/18.5					465	420	45	205	175	150	350	400	350	100	376					
PL-80x50-160	132L	5.5/7.5	80	50	50	50	410	370	40	170	200	150	350	400	300	100	346	154.5	80	240	400	
	160L	11/15/18.5					450	405	45	205	175	150	350	400	350	100	376					
PL-80x50-200	132L	5.5/7.5	80	50	50	50	410	370	40	170	200	150	350	400	300	100	346	154.5	80	240	400	
	160L	11/15/18.5					450	405	45	205	175	150	350	400	350	100	376					
PL-100x80-160	132L	5.5/7.5	100	80	80	80	410	370	40	170	200	163.5	350	400	313.5	100	360	168.5	80	240	400	
	160L	11/15/18.5					450	405	45	205	175	150	350	400	350	100	390					

*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

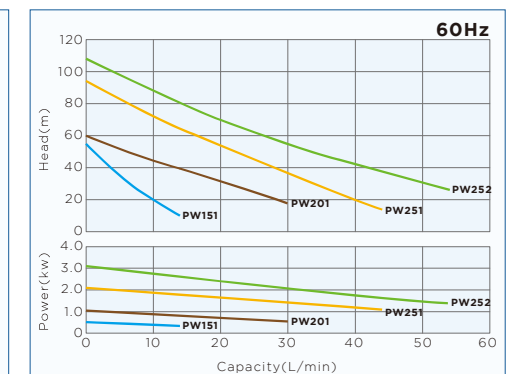
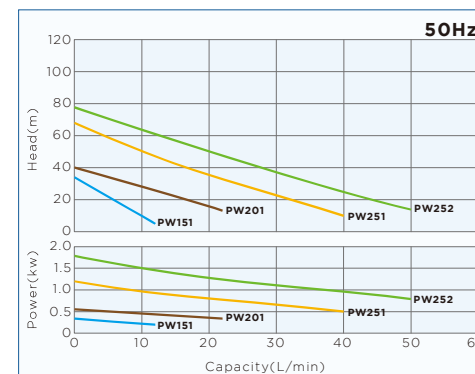


Specification

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



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