

PS Series

Medium capacity

PS series is a medium capacity series which is commonly used for chemical fluid transfer in general process. The sealless design, reliability, practically maintenance free and durability of the series become the most widely used series of stainless steel sealless magnetic pumps. The simple structure design and interchangeable parts feature reduce the cost of purchase and inventory of the spare parts. SiC components increase the operation stability and durability.

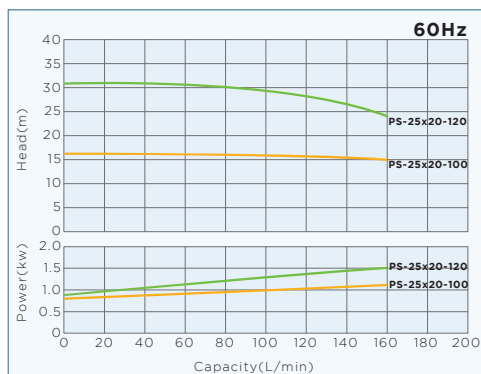
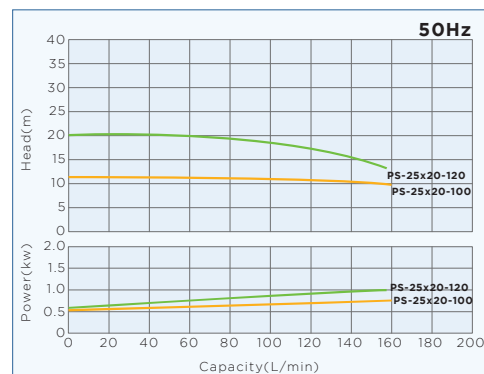


Specification

	PS	
Frequency	50Hz	60Hz
Max. capacity	850L/m	850L/m
Max. total head	55.7m	68m
Suction & discharge	25x20 - 80x40	
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 - 7.5KW	
Pump material	SUS316L(Standard) / Alloy20(Optional) / Has-C equivalent(Optional)	

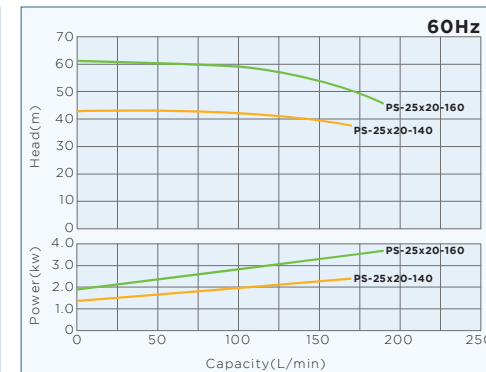
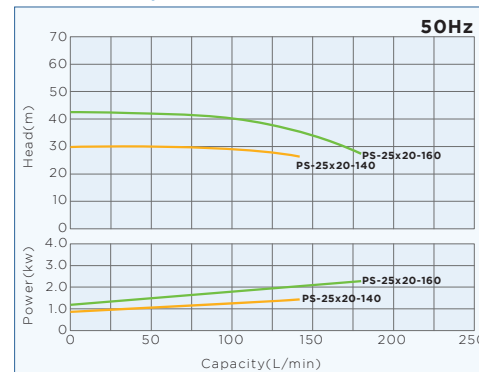
Performance Curve

PS-25x20-100 / 25x20-120

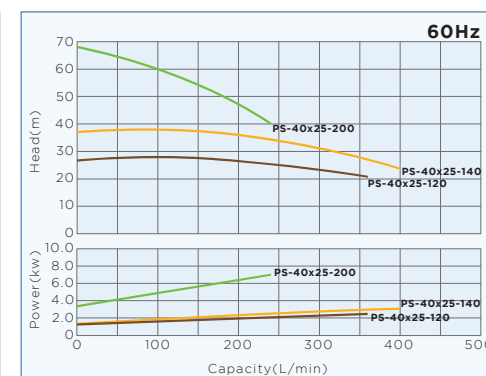
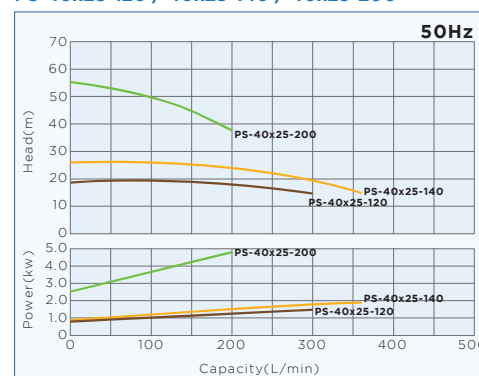


*The performance curve is for reference and preliminary selection only

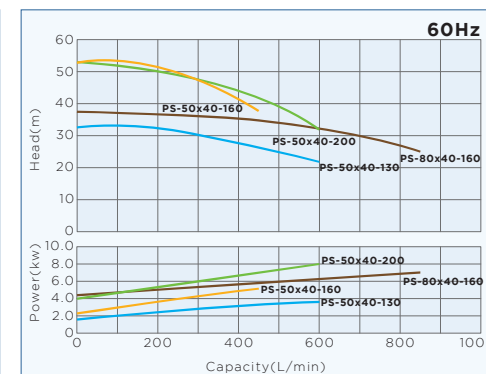
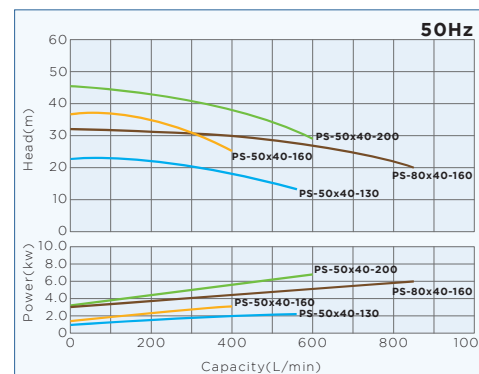
PS-25x20-140 / 25x20-160



PS-40x25-120 / 40x25-140 / 40x25-200



PS-50x40-130 / 50x40-160 / 50x40-200 / 80x40-160



*The performance curve is for reference and preliminary selection only

PM

PS

PL

PW

PSJ

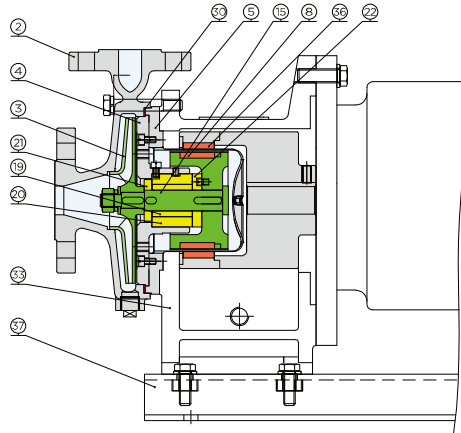
PSO

PL2

PC

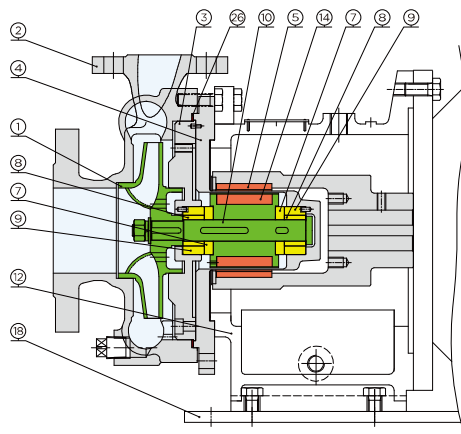
Construction and Material

PS-25x20-100 / 25x20-120 / 25x20-140 / 25x20-160 / 40x25-120 / 40x25-140 / 50x40-130 / 50x40-160



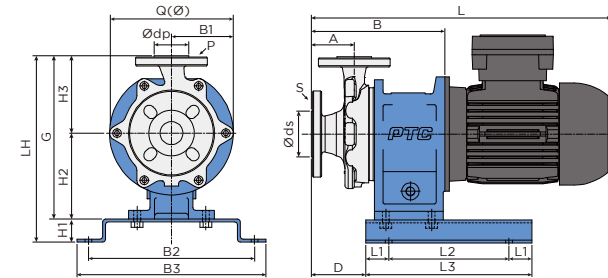
No.	Parts Name	Material
②	Front casing	SUS316L
③	Impeller	SUS316L
④	Casing cover	SUS316L
⑤	Rear casing	SUS316L
⑧	Inner magnet	SUS316L+Rare earth
⑮	Shaft	SUS316L
⑲	Sleeve	SiC
⑳	Bushing	SiC
㉑	Thrust ring(A)	SiC
㉒	Thrust ring(B)	SiC
㉔	Gasket	PTFE
㉕	Frame adapter	FC25
㉖	Outer magnet	SS400+Rare earth
㉗	Baseplate	SS400

PS-40x25-200 / 50x40-200 / 80x40-160



No.	Parts Name	Material
①	Impeller	SUS316L
②	Front casing	SUS316L
③	Casing cover	SUS316L
④	Rear casing	SUS316L
⑤	Outer magnet	SS400+Rare earth
⑦	Thrust ring	SiC
⑧	Sleeve	SiC
⑨	Bushing	SiC
⑩	Shaft	SUS316L
⑫	Frame adapter	FC25
⑭	Inner magnet	SUS316L+Rare earth
⑯	Baseplate	SS400
㉔	Gasket	PTFE

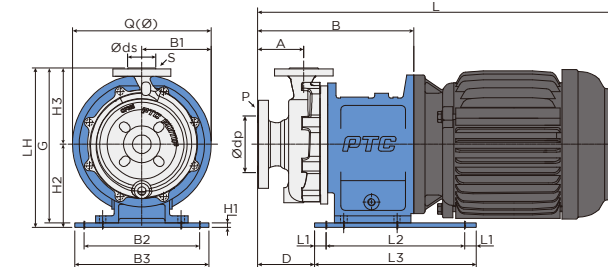
Dimensions



Model	Motor		Bore				Pump size															Unit:mm				
	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																				
PS-25x20-100	80L	0.75	25	ANSI Class 150 / JIS 10K / DIN PN16	20	ANSI Class 150 / JIS 10K / DIN PN16	290	250	40	130	120	100	290	330	200	75	229	*Note1.	91	40	210	290				
	90L	1.5/2.2					290	250	40	130	120	100	290	330	200	60	214.5		76.5	40	210	290				
PS-25x20-120	80L	0.75	25		20		320	280	40	150	130	108 125	290	330	216 250	65	215.5 225.5		77.5	40	210 240	290 320				
	90L	1.5/2.2																								
PS-25x20-140	90L	1.5/2.2	25		20		330	290	40	150	140	127.5	290	330	255	65	216.5 226.5		78.5	40	210 240	290 320				
	112L	3.7																								
PS-25x20-160	90L	1.5/2.2	25		20		325	290	40	150	140	127.5	290	330	255	65	216.5 226.5		78.5	40	210 240	290 320				
	112L	3.7																								
PS-40x25-120	90L	1.5/2.2	40		25		325	285	40	150	135	108 125	290	330	216 250	75	233 243		95	40	210 240	290 320				
	112L	3.7																								
PS-40x25-140	90L	1.5/2.2	40	25	330	290	40	150	140	108 125	290	330	216 250	75	231 241	93	40	210 240	290 320							
	112L	3.7																								
PS-50x40-130	90L	1.5/2.2	50	40	330	290	40	150	140	108 125	290	330	216 250	80	236.5 246.5	98.5	40	210 240	290 320							
	112L	3.7																								
PS-50x40-160	90L	1.5/2.2	50	40	345	305	40	150	155	127.5	290	330	255	65	227 237	79	40	210 240	290 320							
	112L	3.7																								

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

PS-40x25-200, 50x40-200, 80x40-160



Unit:mm																						
Model	Motor		Bore				Pump size															
	Frame Size	Output (KW)	Suct.	Disch.																		
			ds		S	dp	P	LH	G	H1	H2	H3	B1	B2	B3	Q (Ø)	A	B	L	D	L1	L2
PS-40x25-200	132L	5,5/7,5	40	ANSI 150 DN 150	25	ANSI 125 DN 125	345	335	10	180	165	150	250	290	300	100	338	*Note1.	123	25	300	350
PS-50x40-200	132L	5,5/7,5	50	ANSI 175 DN 175	40	ANSI 125 DN 125	345	335	10	180	165	150	250	290	300	100	338		123	25	300	350
PS-80x40-160	132L	5,5/7,5	80	ANSI 200 DN 200	40	ANSI 125 DN 125	345	335	10	180	165	150	250	290	300	100	338		123	25	300	350

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