

PM Series

For Equipment Or Laboratory Use

PM series is the smallest among stainless steel magnetic drive pumps and often used in equipment or small laboratories. Operating temperature can be handled from minus 80 degree to 280 degree Celsius. Simple design of internal component is to increase operating efficiency. SiC component bring durability and extend service span.

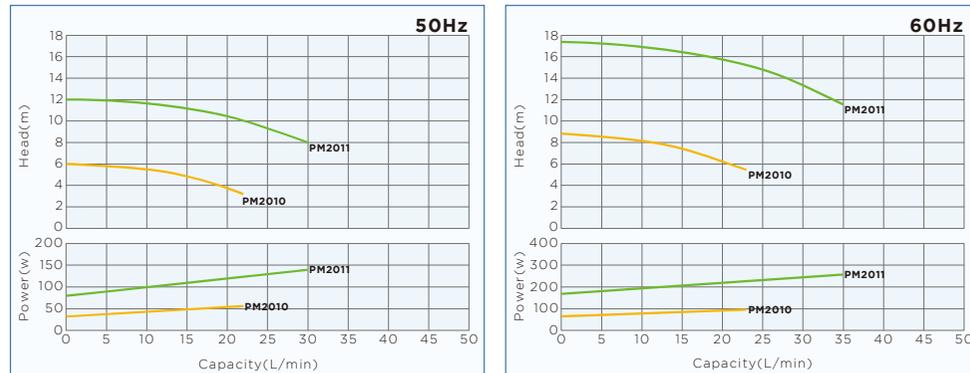


Specification

PM	
Frequency	50Hz / 60Hz
Max. capacity	81L/m
Max. total head	22m / 30m
Suction & discharge	15x13 - 25x20
Temperature range	-80°C - 280°C
Specific gravity	<2
Viscosity	<100mPa.s(cp)
Design pressure	0.6MPaG (*PM2021:1.0MPaG*)
Flange standard	R Thread type
Motor output	90W - 550W
Pump material	SUS316L(Standard) / Alloy20(Optional) / Has-C equivalent(Optional)

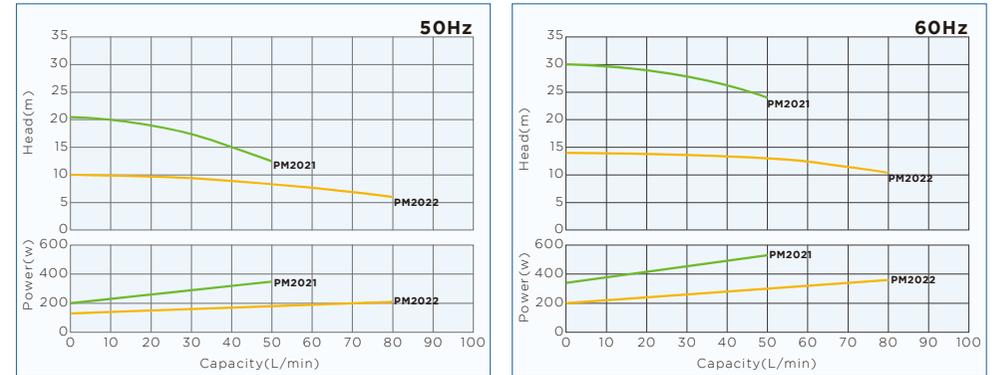
Performance Curve

PM2010 / 2011



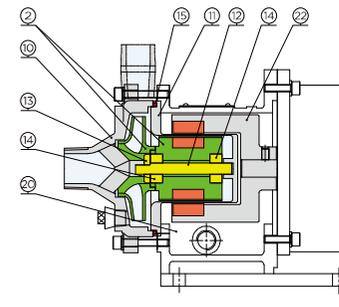
*The performance curve is for reference and preliminary selection only

PM2021 / 2022



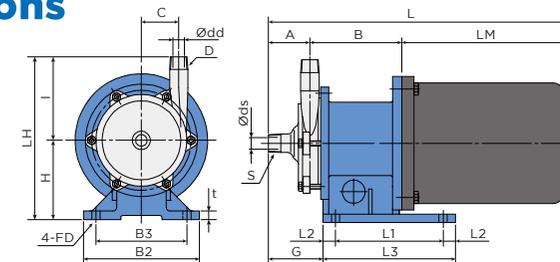
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Construction and Material



No.	Parts Name	Material
②	Impeller+Inner magnet	SUS316L+Rare earth
⑩	Front casing	SUS316L
⑪	Rear casing	SUS316L
⑫	Shaft	SiC
⑬	Thrust ring	SiC
⑭	Bushing	SiC
⑮	O-ring	PTFE
⑰	Frame adapter	FC25
⑱	Outer magnet	SS400+Rare earth

Dimensions



Unit:mm

Model	Motor		Bore				Pump size															
	Frame Size	Output (W)	Suct. ds	Disch. S	dd	D	A	B	C	H	I	LH	LM	L	G	L1	L2	L3	B2	B3	t	FD
PM2010	---	90/120	15	R1/2	13	R1/2	45	118	37	62	70	132	(141)	*Note1.	60	70	15	100	110	90	8	Ø10
PM2011	63M 71M	200 400	15	R1/2	15	R1/2	45	104 111	45	95	100	195 (225)	(207) (225)		61	130	15	160	140	110	10	Ø10
PM2021	71M/71S	400/550	20	R3/4	20	R3/4	50	111	50	95	120	215	(225)	69	130	15	160	140	110	10	Ø10	
PM2022	71M/71S	400/550	25	R1	20	R3/4	60	113	45	95	100	195	(225)	78	130	15	160	140	110	10	Ø10	

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