

TYPE MA/MB

COMPACT STAINLESS STEEL MAGNETIC DRIVE PUMPS

Motor output :
25W to 90W

- ▶ Leak free, highly reliable sealless magnetic drive pump.
- ▶ Handle product temperatures up to 130°C (266°F).
- ▶ Very compact and minimum weight.
- ▶ 304SS construction for excellent corrosion resistance.
- ▶ SiC-D low friction bearings withstand accidental dry-run on start up.
- ▶ Practically maintenance free construction, requires minimum parts inventory.



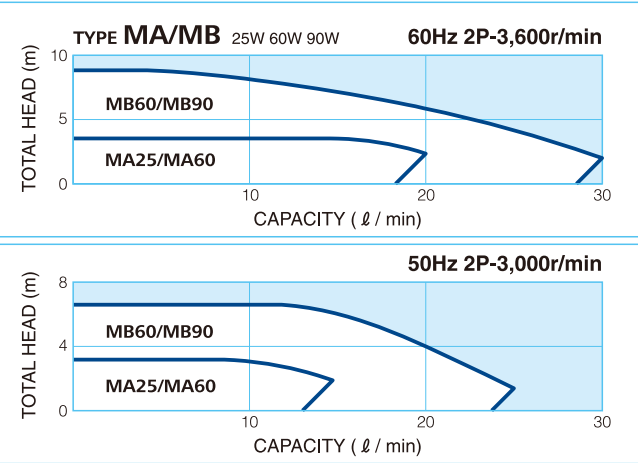
TYPE MA

25W/60W

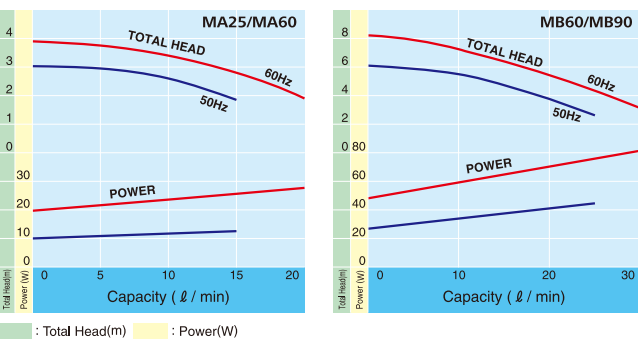
TYPE MB

60W/90W

Selection charts



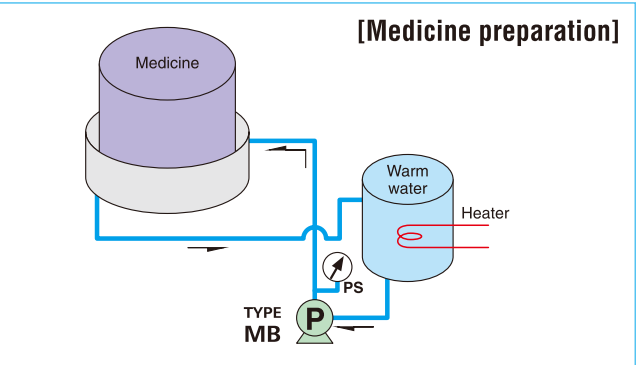
Performance curves



Specifications

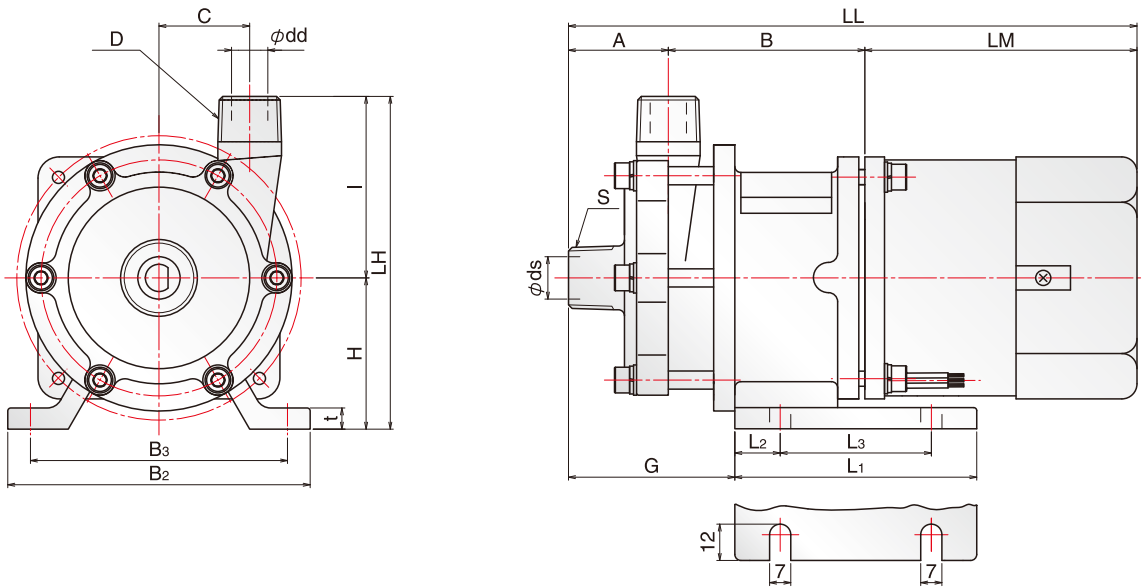
	MA		MB	
Frequency	50Hz	60Hz	50Hz	60Hz
Max. total head	3m	3.5m	6m	8m
Max. capacity	15 ℓ /min	20 ℓ /min	20 ℓ /min	20 ℓ /min
Max. temperature applicable	130°C			
Min. temperature applicable	-20°C			
Max. liquid specific gravity	1.1 (MA25) , 2(MA60)		1.1	
Max. liquid viscosity	50mPa·s(cP)			
Design pressure	0.6MPaG			
Bore (suction x discharge)	14x12mm		14x13mm	
Flange standard	R thread			
Type of impeller	Open		Closed	
Motor output rating	25W/60W		60W/90W	
Pump material	SCS13(SUS304)			
Liquid-immersed bearings	SiC-D			

Application example



MAGPAC®series
MA / MB

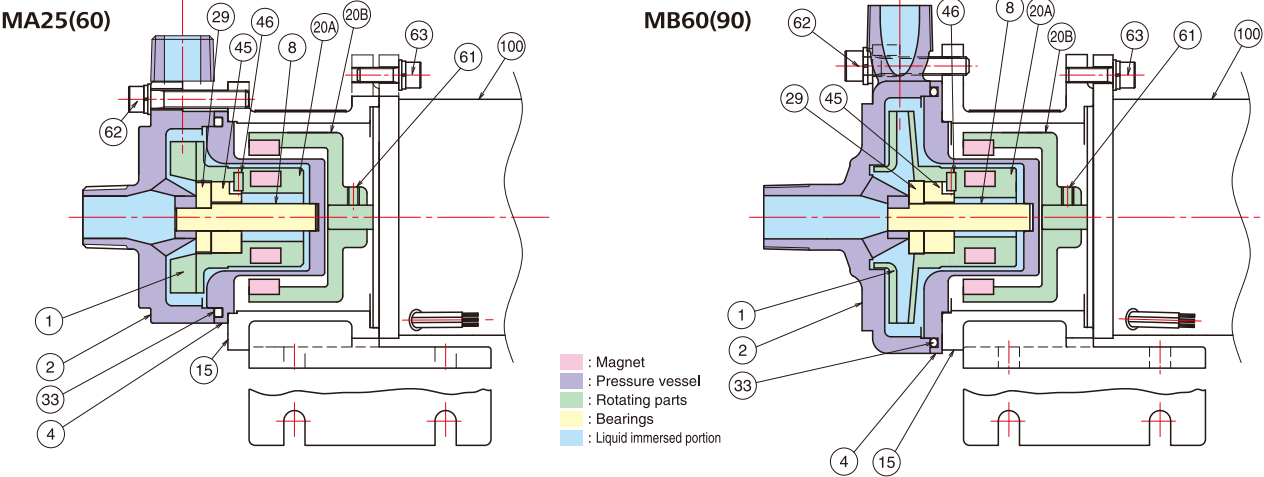
Outline dimension



PUMP SIZE	MOTOR		BORE				PUMP & MOTOR								BASE PLATE								WEIGHT APPROX.(kg)		
	FRAME SIZE	OUTPUT (W)	SUCTION		DISCH		A	B	C	H	I	LH	LM	LL	G	L ₁	L ₂	L ₃	B ₂	B ₃	t	PUMP	MOTOR	TOTAL	
			ds	S	dd	D																			
MA25	—	25	14	R1/2	12	R1/2	33	65	30	50	60	110	90	188	55	80	15	50	100	85	7	2.2	1.3	3.5	
MA60	—	60											120	218								2.2	2.0	4.2	
MB60	—	60	14	R1/2	13	R1/2	45	64	0	50	70	120	120	229	66	80	15	50	100	85	7	2.4	2.0	4.4	
MB90	—	90										125	120	229		85	21					2.6	2.6	5.2	

LM,LL dimensions and motor weight may vary depending on motor used.

Construction and materials



20B	MAGNET	RARE EARTH	1 ^S	100	MOTOR	—	1
	MAGNET COUPLING(M)	SS400	1	63	HEXAGON SOCKET HEAD CAP SCREW WITH WASHER	SUS304	4 ^S
20A	MAGNET	RARE EARTH	1 ^S	62	HEXAGON SOCKET HEAD CAP SCREW WITH WASHER	SUS304	4 ^S or6 ^S
	MAGNET COUPLING(P)	SUS	1	61	SET SCREW	SCM435	1
15	FRAME ADAPTER	FC200	1	46	PIN	SUS	1
8	SHAFT	SiC	1	45	BUSHING	SiC-D	1
4	REAR CASING	SUS	1	33	O RING	PTFE	1
2	CASING	SCS	1	29	THRUST RING	SiC	1
1	IMPELLER	SCS	1				
MARK	NAME OF PART	MAT'L	No.REQ'D	MARK	NAME OF PART	MAT'L	No.REQ'D

Examples of usage

- Semiconductor and liquid crystal processing
- Freezer and cooling device
- Various physicochemical equipment
- Laboratory and testing equipment
- Pharmaceutical and food processing

#In the case of low temperature liquid (0C°or less), problems may occur depending on the installation environment.
Please contact us before purchasing (before using).