MAGNETIC PUMP

INTRODUCTION

Magnetic drive ciculating pump has a long history.The pump possesses various types from the minimum type to large-size type.It's suitable for all kinds of industrial system and programs.The plant enjoy high reputation for the reliability and the high quality.We will try our best to develop new products which is fitted for the customer. And the service of products also has improved.

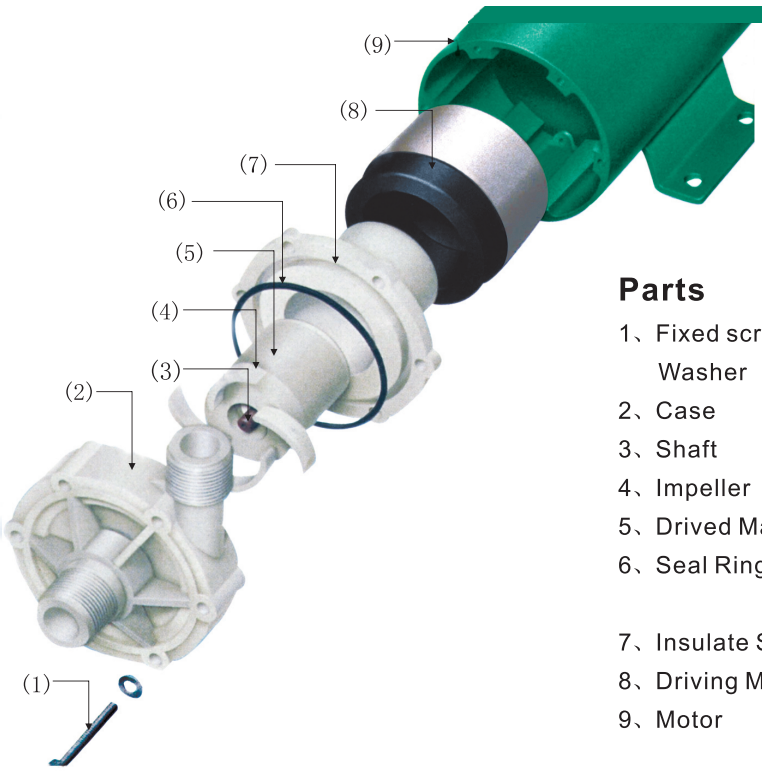


SPECIAL STRUCTURE

Magnetic drive circulation pump is a full-sealed pump,for motor connecting shaft and impeller are separately equipped with magnetic materials,they attract each other and coupled,It's unnecessary to fit with traditional shaft seal.The rotation torsion of motor drives impeller to rotate through the attraction between driving magnet and driven magnet.

Magnetic drive circulation pump is generally designed for no shaft seal,completely avoids defects of pollution after corrosion caused by liquid leakage,which exists in traditional mechanical shaftscal pump,It is the optimum liquid transport pump on the industrial equipments.

STRUCTURAL DIAGRAM



Parts	Material
1、Fixed screw and Washer	Stainless steel
2、Case	Glass fiber reinforce Polypropylene
3、Shaft	Alumina ceramic
4、Impeller	Glass fiber reinforce Polypropylene
5、Drived Magent	Sr. ferrite
6、Seal Ring	Fluoride rubber(FKM) or temary ethylenepropylene Ruber(EPDM)
7、Insulate Sheath	Glass fiber reinforce Polypropylene
8、Driving Magnet	Sr ferrite
9、Motor	

MODEL NOTE

MP 20R X 100

- 100 — Ellipsis: 220V； 100： 100V； 380： 380V.
- X — Ellipsis: The normal type, M：The thread Inerface type ; X：The large capacity type; Z：The high-head type; T：The special application type; N：The modified type.
- 20R — Product Specs
- MP — Magnetic Pump

MPH- 40 0 CV 5 D

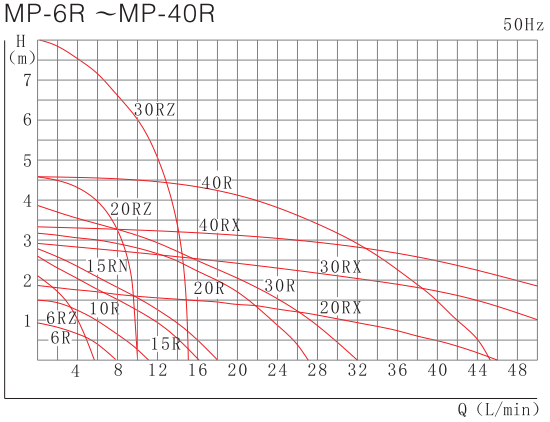
- D — Pin-point contacting bearing system
- 5 — Code of impeller 5： 50Hz； 6： 60Hz.
- CV — Material(bearing/pump shaft/sealring) carbon/high-AL ceramic/F-rubber
- 0 — Motor output 0： 0.4kW； 1： 0.75KW； 2： 1.5KW； 3： 2.2KW
- 40 — Shows discharge port diameter. 42：40mm； 40：36mm
- MPH — Magnetic Pump

PARAMETER OF TECHNOLOGY

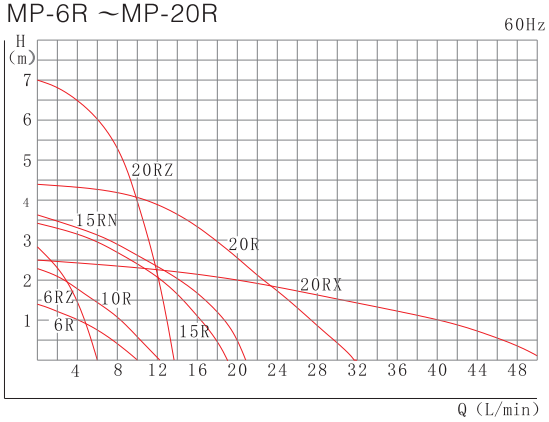
Type	Tube interface		Thread interface		Max.Capacity (L/min)	Max.Head (m)	Rated Capacity (L/min)	Rated Head (m)	Specific gravity	Motor	
	Inlet(mm)	Outlet(mm)	Out-inlet (inch)	Tube (mm)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz		Output (w) 50Hz/60Hz	Phase
MP-6R	14	14	-	-	8/9	1/1.4	2.8/5	0.8	<1.2	6	1
MP-6RZ	14	14	-	-	5.5/6	2.1/2.7	3.2/4.5	0.8	<1.1	6	1
MP-10R	14	14	-	-	11/12	1.5/2.1	5/8	1	<1.1	6	1
MP-10RN	14	14	-	-	11/12	1.5/2.1	5/8	1	<1.1	6	1
MP-15R	16	16	-	-	16/19	2.7/3.4	8/12	1.5	<1.3	10	1
MP-15RN	16	16	-	-	16/19	2.7/3.4	8/12	1.5	<1.3	10	1
MP-15RM	-	-	3/4	13	16/19	2.4/3.4	8/12	1.5	<1.3	10	1
MP-20R	18	18	-	-	27/32	3.1/4.3	17/22	2	<1.2	15	1
MP-20RM	-	-	3/4	16	27/32	3.1/4.3	17/22	2	<1.2	15	1
MP-20RX	26	26	-	-	46/52	1.8/2.5	30/40	1	<1.3	15	1
MP-20RXM	-	-	1	20	46/52	1.8/2.5	30/40	1	<1.3	15	1
MP-20RZ	18	18	-	-	10/11	4.6/6.9	7/10	4	<1.1	15	1
MP-20RZM	-	-	3/4	13	10/11	4.6/6.9	7/10	4	<1.1	15	1
MP-30R	20	20	-	-	33/38	3.8/5.4	16/25	2.5	<1.3	25	1
MP-30RM	-	-	3/4	16	33/38	3.8/5.4	16/25	2.5	<1.3	25	1
MP-30RX	26	26	-	-	62/72	2.9/4.1	32/46	2	<1.1	25	1
MP-30RXM	-	-	1	20	62/72	2.9/4.1	32/46	2	<1.1	25	1
MP-30RZ	18	18	-	-	15/17	8/11	10/14	6	<1.1	25	1
MP-30RZM	-	-	3/4	13	15/17	8/11	10/14	6	<1.1	25	1
MP-40R	20	20	-	-	45/52	4.6/6.5	22/34	4	<1.1	65	1
MP-40RM	-	-	3/4	16	45/52	4.6/6.5	22/34	4	<1.1	65	1
MP-40RX	26	26	-	-	75/85	3.3/4.7	47/65	2	<1.1	65	1
MP-40RXM	-	-	1	20	75/85	3.3/4.7	47/65	2	<1.1	65	1
MP-55R	26	26	-	-	60/70	5.6/8.2	30/45	4	<1.2	90	1 or 3
MP-55RM	-	-	1	20	60/70	5.6/8.2	30/45	4	<1.2	90	1 or 3
MP-55RZ	26	26	-	-	25/28	10/14	15/22	8	<1.1	90	1 or 3
MP-55RZM	-	-	1	20	25/28	10/14	15/22	8	<1.1	90	1 or 3
MP-70R	26	26	-	-	86/97	6.7/9.7	50/72	4	<1.1	150	1 or 3
MP-70RZ	20	20	-	-	40/43	14.3/20.3	20/24	12	<1.1	150	1 or 3
MP-70RZM	20	20	-	-	40/43	14.3/20.3	20/24	12	<1.1	150	1 or 3
MP-70RM	-	-	1	20	86/97	6.7/9.7	50/72	4	<1.1	150	1 or 3
MP-100R	26	26	-	-	120/130	8.6/11.6	60/70	7/9	<1.3	250	1 or 3
MP-100RM	-	-	1	20	120/130	8.6/11.6	60/70	7/9	<1.3	250	1 or 3
MP-100RX	-	-	1 1/4	32	170	9.0	100	5.0	<1.3	250	1 or 3
MP-120R	-	-	1 1/2	36	220	10.5	140	6.0	<1.3	370	1 or 3
MP-120RT	-	-	2 1/4	48	220	10.5	140	6.0	<1.3	370	1 or 3
MPH-400CV5-D	-	-	1 1/2	36	220	12.5	150	8	<1.3	400	3
MPH-401CV5-D	-	-	1 1/2	36	260	18	120	12	<1.3	750	3
MPH-422CV5-D	-	-	2	1 1/2	320	21	160	18	<1.3	2200	1 or 3
MPH-423CV5-D	-	-	2	1 1/2	380	22	230	18	<1.3	2200	1 or 3

PERFORMANCE CURVE

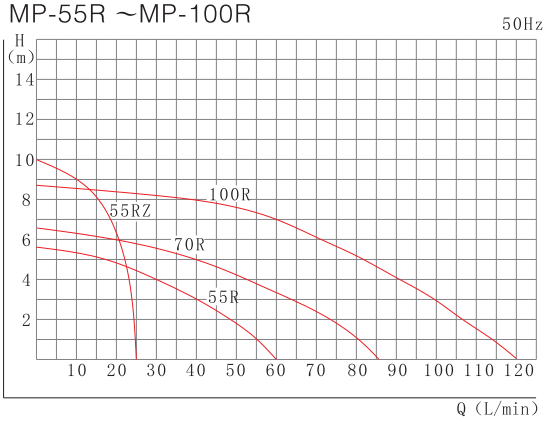
MP-6R ~MP-40R



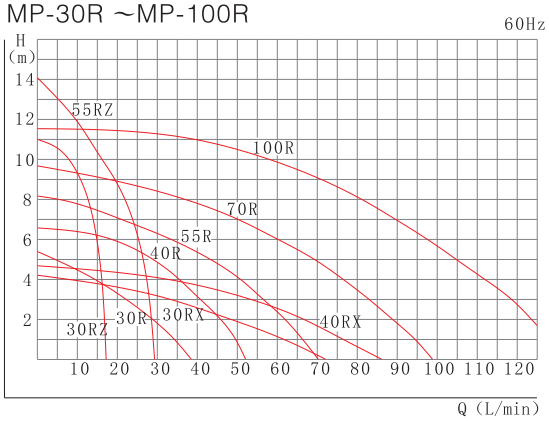
MP-6R ~MP-20R



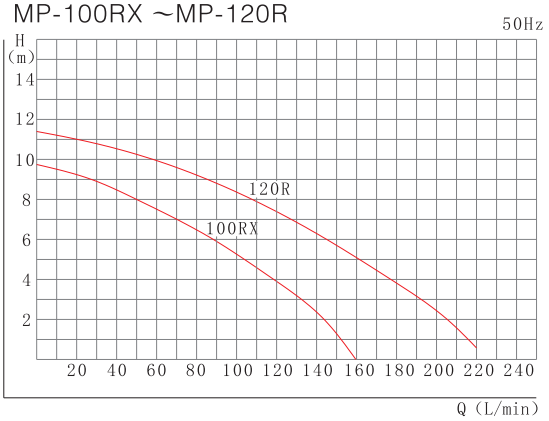
MP-55R ~MP-100R



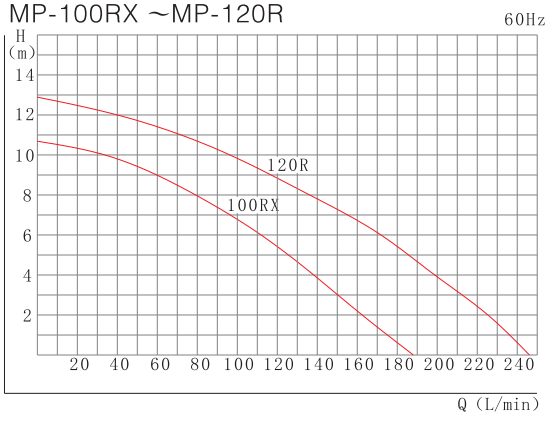
MP-30R ~MP-100R



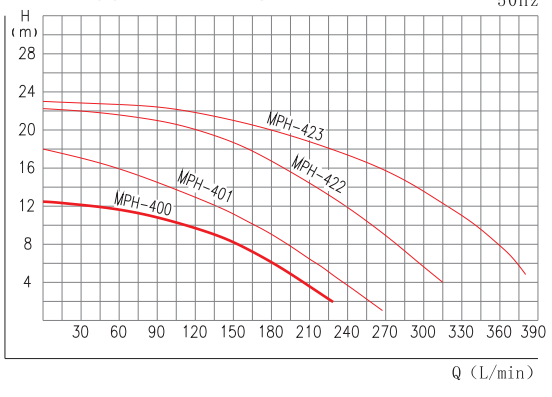
MP-100RX ~MP-120R



MP-100RX ~MP-120R



MPH-400 ~MPH-423



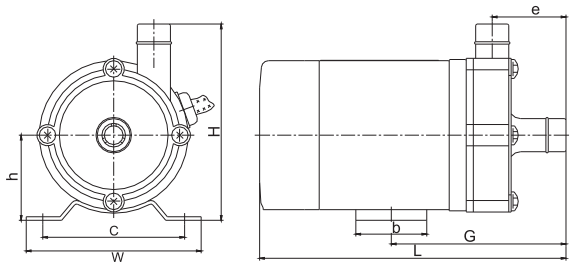
Note

Under the condition of normal temperature and clean water,the head at the maximum capacity is 0;the capacity at the highest head is 0.

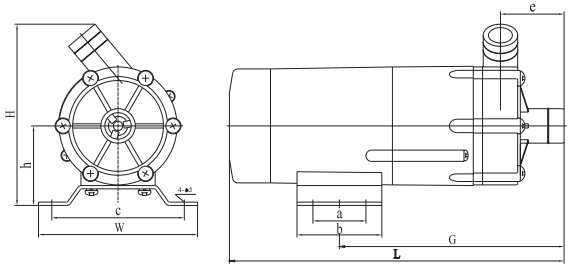
Operating voltage of single-phase motor is separated with 100V、110V、220V、240V；operating voltage of three-phase motor is380V.

Normal operating temperature is 0-80℃.if the higher operating environments is required,please consult with us.

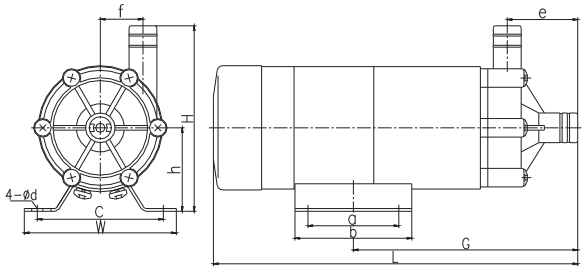
DIMENSION OF STRUCTURE



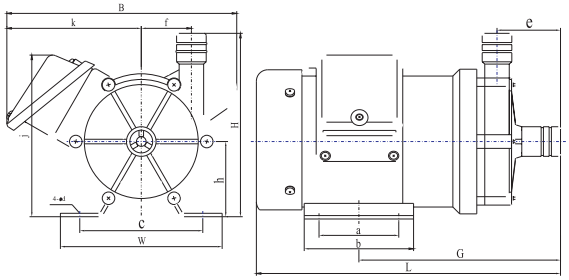
TYPE	b	c	e	G	h	H	W	L
MP-6R	30	60	31	74	36	83	74	129.5
MP-6RZ	30	60	31	74	36	83	74	129.5
MP-10RN	30	60	31	74	36	83	74	129.5



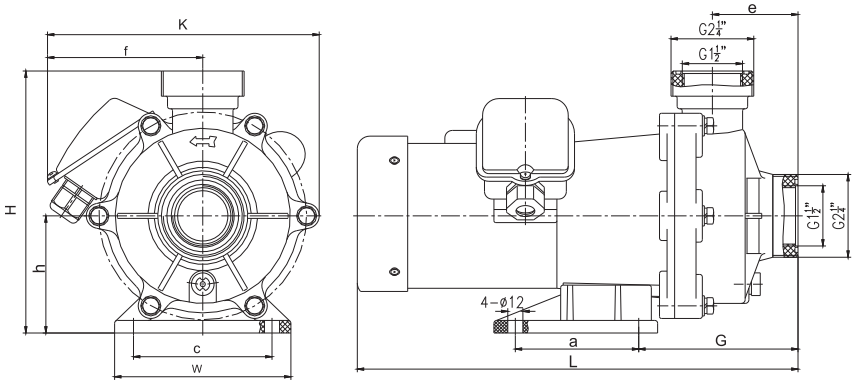
TYPE	a	b	c	d	e	G	h	H	W	L
MP-20RX	30	50	68	5.5	143	143	56	130	85	220
MP-30RX	40	64	100	9	169.5	169.5	60	138	120	252.5
MP-40RX	40	64	100	9	170.5	170.5	60	138	120	277



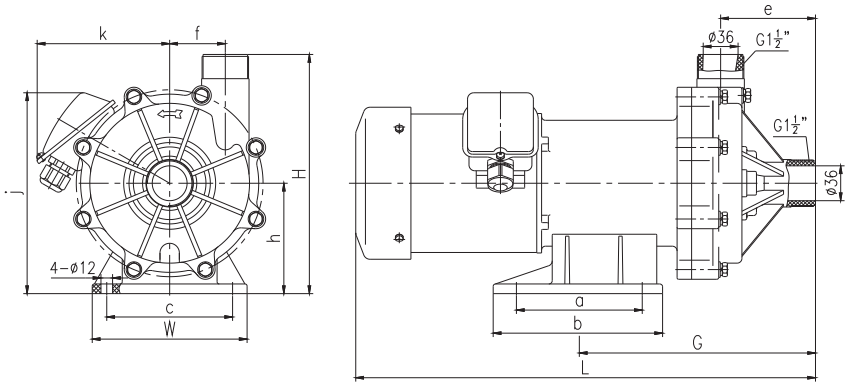
TYPE	a	b	c	d	e	f	G	h	H	W	L
MP-15R	49	63	68	6	38	23	121	45	100	82	196.5
MP-15RN	49	63	68	6	39.5	24.5	117.5	46	100	82	180
MP-20R	30	50	68	5.5	38.5	28.5	131.5	56	116	85	209
MP-20RZ	30	50	68	5.5	40	40	134	56	126	85	212
MP-20RM	30	50	68	5.5	34	28.5	127	56	117	85	204.5
MP-30R	40	64	100	9	48	30	166.5	60	130	120	249.5
MP-30RZ	40	64	100	9	40	40	151	60	130	120	234
MP-30RM	40	64	100	9	48	30	166.5	60	130	120	249.5



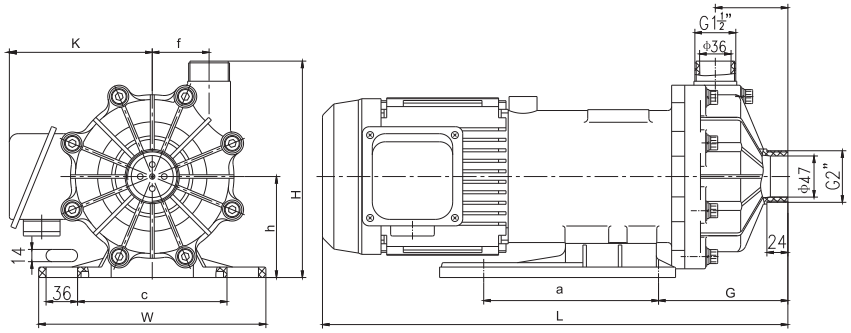
TYPE	A	b	c	d	e	f	G	h	H	W	L	B	J	K
MP-40R	40	64	100	9	48	30	167.5	60	130	120	274	/	118	60
MP-40RM	40	64	100	9	48	30	167.5	60	130	120	274	/	118	60
MP-55R	40	64	100	9	56.5	43	198.5	65.5	161	120	275	/	140	54
MP-55RZ	40	64	100	9	56.5	43	198.5	65.5	161	120	275	/	140	54
MP-70R	70	96	108	9.5	55.75	44	177	66	161	142	267	202	142	118
MP-70RM	70	96	108	9.5	52.75	44	174	66	156	142	264	202	142	118
MP-70RZ	70	96	108	9.5	41.6	47.5	163	66	167	142	253.1	202	142	118
MP-100R	70	100	110	9	66	44	195.5	74	174	156	322	202	150	118
MP-100RM	70	100	110	9	66	44	195.5	74	174	156	322	202	150	188
MP-100RX	70	100	110	9	63	40	196.5	74	174	156	323	205	167	124
MP-120R	98	130	110	12	80	51	18.5	93	208	140	359	216	187	123



TYPE	a	c	e	f	G	h	H	K	W	L
MP-100RT	98	110	68	123.5	126.5	93	208	216	140	350



TYPE	a	b	c	e	f	G	h	H	W	L	J	K
MPH-400	98	130	110	80	51	188	94	209	140	384	183	128
MPH-401	130	175	130	98	57.5	244	144	247	160	475	208	137



TYPE	a	c	e	f	G	h	H	K	W	L
MPH-422	200	171	83	65	148	111.5	247.5	163.5	260	532.5
MPH-423	200	171	83	65	148	111.5	247.5	163.5	260	532.5

Note

The performance and connection size for pump with spiral interface is as same as the pump with tube interface.

MP-120RT magnetic pump:Latest interface design convenient and quickly to be dismantled and reinstalled,suitable for the vocations such as family fish viewing,seafood breeding etc.

Magnetic Drive pump of MHP-400 can be equipped with the motor of 0.37kW,and its connection is 71 the IEC standard.Magnetic Drive Pump of MHP-401 can be equipped with the motor of 0.75kW,and its connection is 80 the IEC standard.

G=is the straight pipe specs of UK.

We will not notice if the specification and the dimension changed.

PURPOSES

Brand Magnetic-driven Cycle pump,made by polypropylene,has an excellent performance to endure the corrsion from chemical Liquid,Its applications is very extensive.tryout of(chemical Industry,Pharmaceuticals Industry,Electric Plate,Photograph Processing,Electric Appliance,Metal Industry,Mineral Industry,Food Industry,Medicine Remedy,Water Treatment,Pollution Control,Other Application)as so on.