



TOTAL CHEMICAL SOLUTION SEALLESS MAGNETIC PUMP



Rma Magnetic Drive Pump

100% M.I.T. products.

With unique designs to prevent common problems such as leakages, inner magnet corrosion, short life by vibration and high maintenance cost.

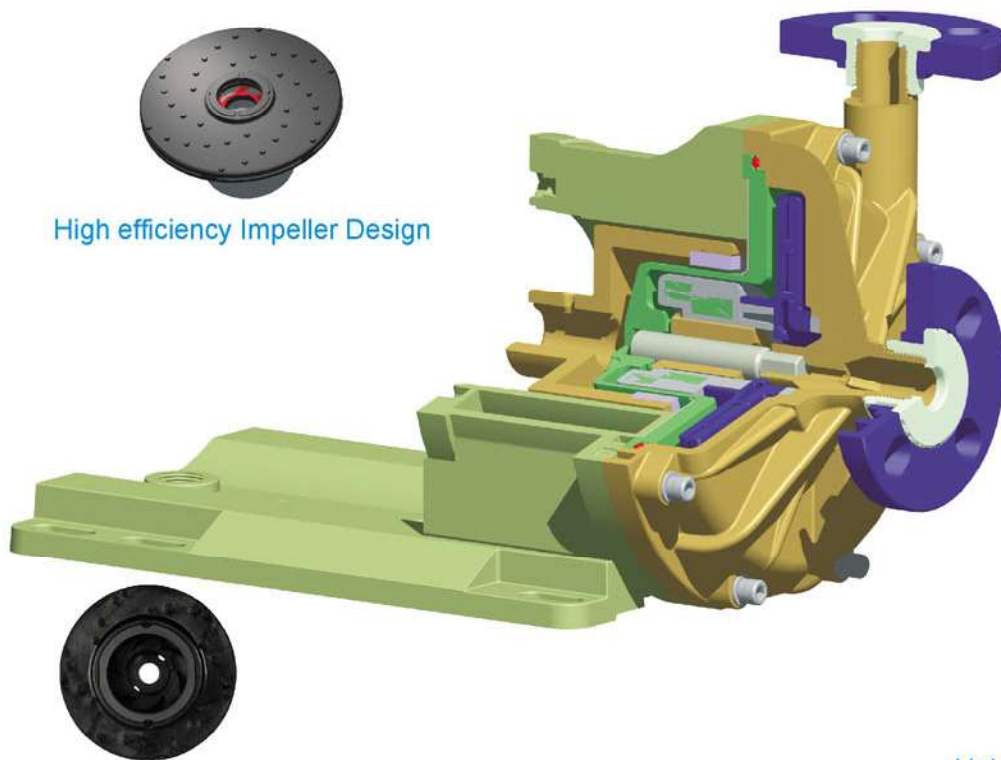
- Unique O-ring Seal to prevent any leakage possibility.
- Computer Aided Engineering to design a best strength resist casing.
- Flow path simulation for high efficiency impeller design.
- Cooling system of pump shaft bearing design to extend time of dry run.



High efficiency Impeller Design



Solid casing design



Cooling system of shaft bearing



Unique O-RING Seal Groove

RMA-542P-CAV-5

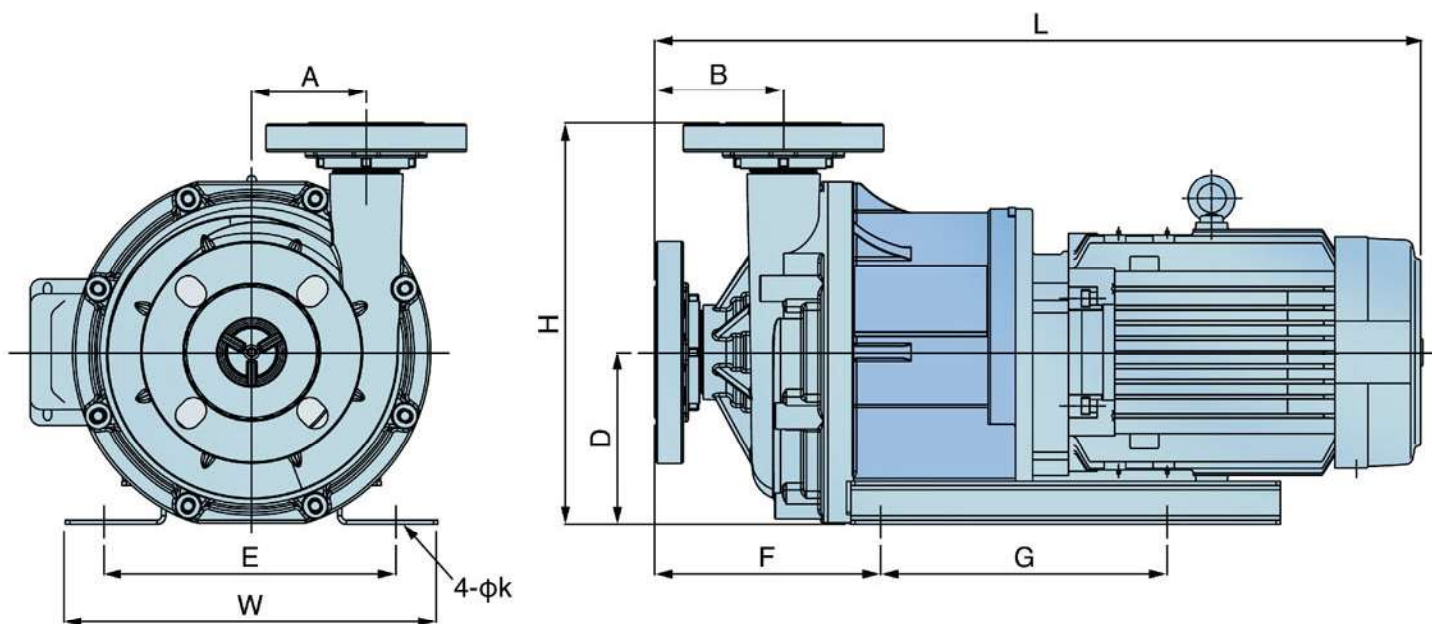
1 2 3 4 5 6 7 8

1	2	3	4	5	6	7	8
INLE T	O UTLE T	H P	CASIN G	B E A R I N G	S H A F T	O - R I N G	F req .
2: 25mm	2: 25mm	0: 0.4kw	P: GFR-PP	C: CARBON	A: CERAMIC	E: EPDM	5: 50HZ
4: 40mm	4: 40mm	1: 0.75kw	C: CFR-PP	R: RULON	S: SSIC	V: VITON	6: 60HZ
5: 50mm	5: 50mm	2: 1.5kw	E: CFR-ETFE	S: SSIC		F: TEFLON	
6: 65mm		3: 2.2kw					
		5: 3.7kw					



MODE L		R MA-P		RMA- C		R MA-E	
NO	PART NAME	P-C	P-R	C-C	C-R	E- R	E- S
1	FRONT CASING	GFR-PP		CFR-PP		CFR-ETFE	
2	FRONT THRUST	CERAMIC	CERAMIC	CERAMIC	CERAMIC	CERAMIC	SSIC
3	SHAFT	CERAMIC	CERAMIC	CERAMIC	CERAMIC	CERAMIC	CERAMIC / SSIC
4	MOUTH RING	CARBON	RULON	CARBON	RULON	RULON	RULON / SSIC
5	IMPELLER	GFR-PP		CFR-PP		CFR-ETFE	
6	INNER MAGNET	GFR-PP+NdFe B		CFR-PP +NdFe B		CFR-ETFE +NdFe B	
7	SHAFT BEARING	CARBON	RULON	CARBON	RULON	CARBON	RULON
8	CASING RING	VITON/EPDM		VITON/EPDM		VITON/EPDM	
9	REAR CASING	GFR-PP		GFR-PP		GFR-PP	
10	BACK PLATE	SS304		SS304		SS304	
11	BRACKET	GFR-PP		GFR-PP		GFR-PP	
12	BASE	GFR-PP		GFR-PP		GFR-PP	
13	OUTER MAGNET	NdFe B		NdFe B		NdFe B	

RMA-220/221/440/441



MODE L	H	L	W	A	B	D	E	F	G	K
RMA-220	255	449	225	65	90	115	195	173	128	12
RMA-221	255	474	225	65	90	115	195	173	128	12
RMA-440	225	443	225	54	87	95	195	172	128	12
RMA-441	257	490	225	72	105	115	195	188	128	12

MODE L	IN/OUT mm	MOTOR KW	50HZ		60HZ	
			HEAD(M)	CAP(LPM)	HEAD(M)	CAP(LPM)
RMA-220	25/25	0.4	11	80	11	80
RMA-221	25/25	0.75	18	100	18	100
RMA-440	40/40	0.4	10	100	11	100
RMA-441	40/40	0.75	15	150	15	150

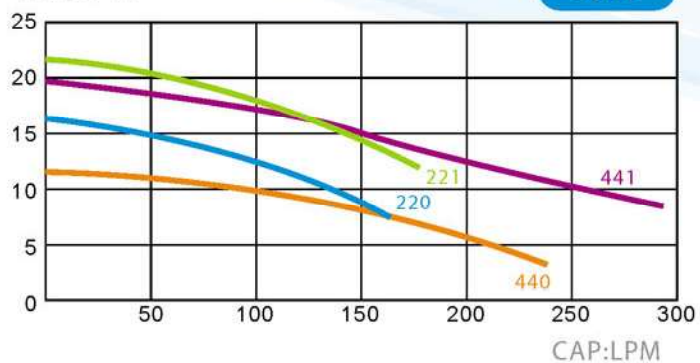
RMA-220/221/440/441

PERFORMANCE

CU RV E

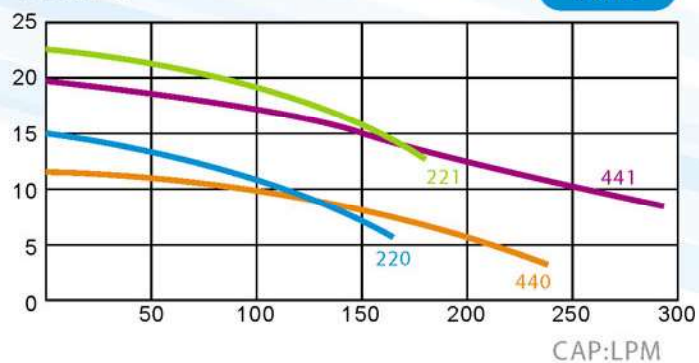
HEAD: M

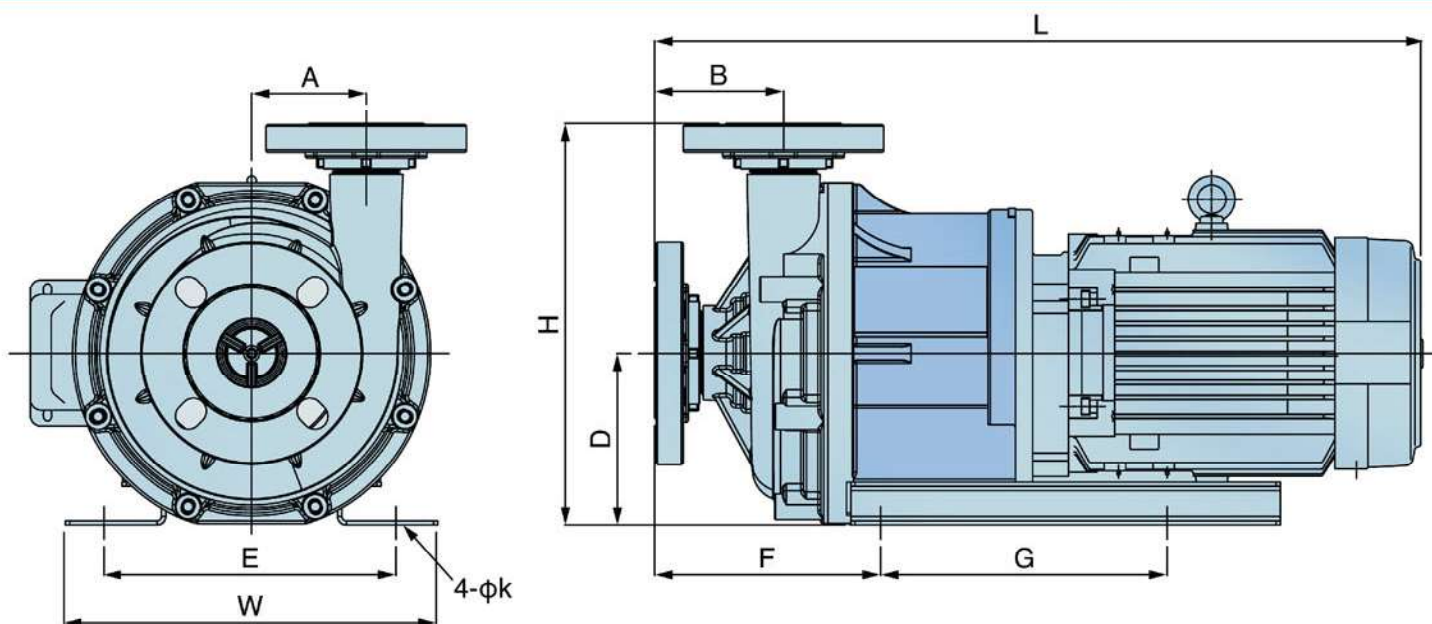
50HZ



HEAD: M

60HZ





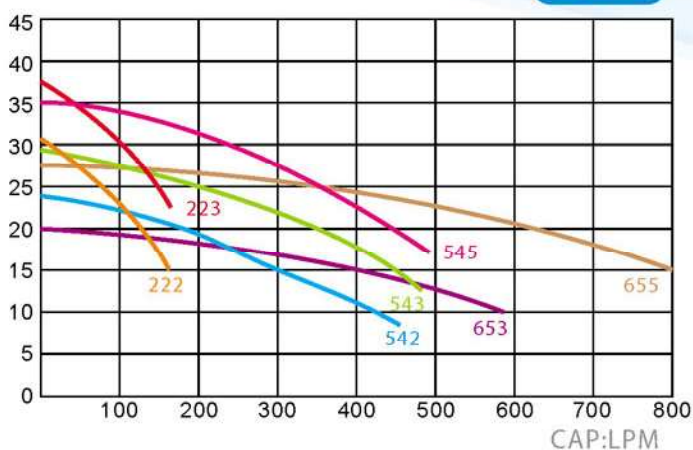
MODE L	H	L	W	A	B	D	E	F	G	K
RMA-222	280	522	250	80	91	120	220	157	246	14
RMA-223	280	525	250	80	91	120	220	157	246	14
RMA-542	282	535	250	80	91	120	220	163	246	14
RMA-543	282	558	250	80	91	120	220	163	246	14
RMA-653	331	535	250	80	92	162	220	158	246	14
RMA-545	322	577	250	80	91	162	220	153	246	14
RMA-655	331	584	250	80	92	162	220	158	246	14

MODE L	IN/OUT mm	MOTOR KW	50HZ		60HZ	
			HEAD(M)	CAP(LPM)	HEAD(M)	CAP(LPM)
RMA-222	25/25	1.5	28	60	30	60
RMA-223	25/25	2.2	35	60	40	60
RMA-542	50/40	1.5	20	200	20	200
RMA-543	50/40	2.2	24	250	24	250
RMA-653	50/40	3.7	30	250	30	250
RMA-545	65/50	2.2	17	400	17	400
RMA-655	65/50	3.7	24	500	24	500

RMA-222/223/542/543/545/655 PERFORMANCE CURVE

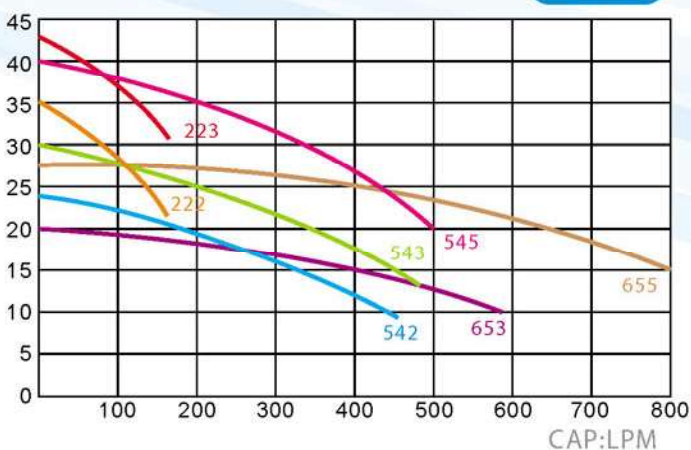
HEAD:M

50HZ



HEAD:M

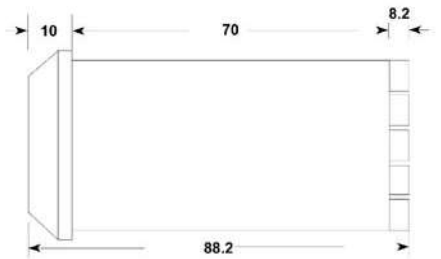
60HZ



Pump Dry Run Protector



Outline dimension



Features:

- Accuracy 0.15% F.S. ± 1 digit
- Input measurement network can be selective(1 Φ 2W,3 Φ 3W)
- Start delay and alarm delay function(0 to99.9 second)
- Monitoring current alarm latch function
- Two independent reset key can unite alarm latch function
- Two alarm function
- Digit RS-485 interface function (optional)
- Protection class NEMA4/IP67

Full Application In Chemical Transportation



Roman

A-Excellent B-Good C-Poor D-Not Recommend

[illegible]



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