

# AMA-X

**High Flowrate & High Head**

**Magnetic Drive Pump**

Attached frequency inverter on the motor occupied lesser control panel space.  
Good for PCB plating equipment where controllable flowrate and dry run prevention can be achieved.  
Able to contribute the energy saving up to 25%.



## AMA-X SERIES

**High Flowrate & High Head Magnetic Drive Pump**

- Chemical resistance material
- Solid & durable structure
- High flowrate & high head
- Inverter driven motor
- Energy saving

# AMA-X Series Magnetic Drive Pump Model Selection

## MODEL IDENTIFICATION

① AMA - ② X - ③ 5 ④ 4 ⑤ 2 F ⑥ G A ⑦ C V - ⑧ C ⑨ S

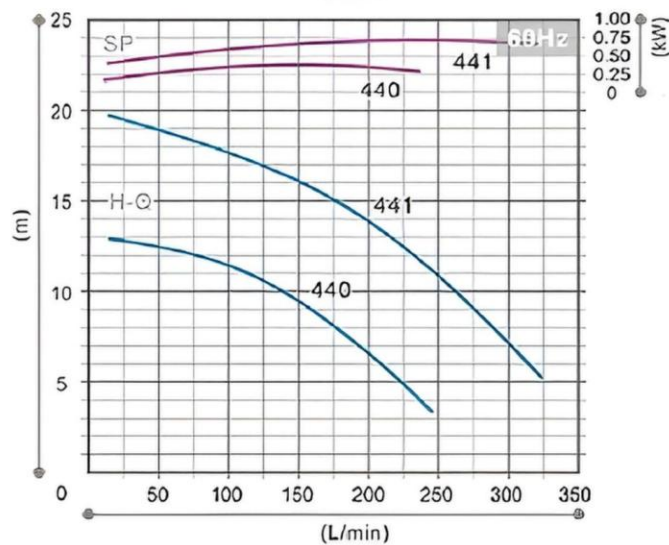
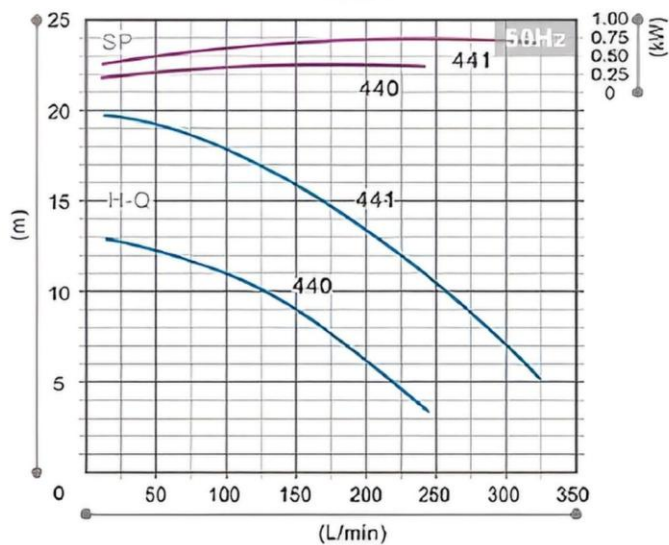
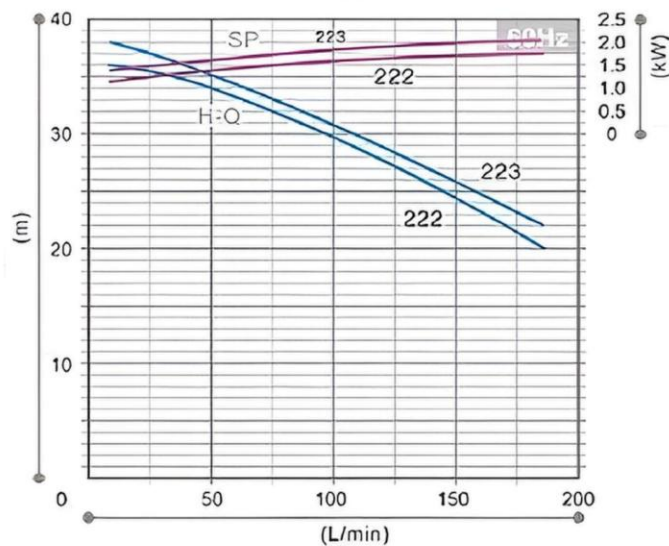
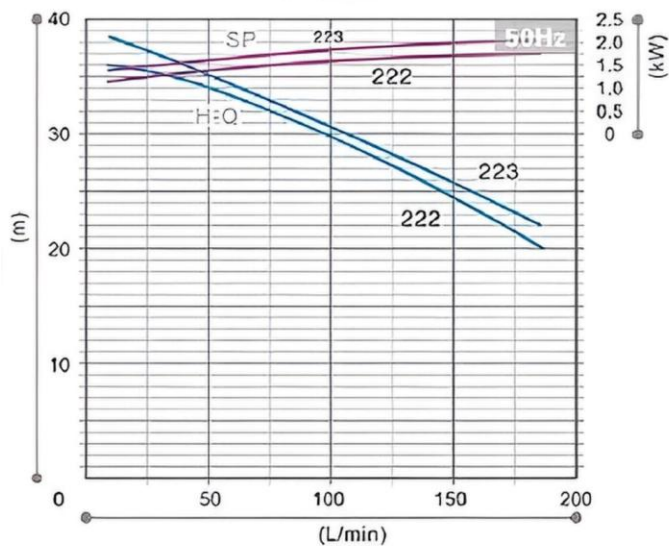
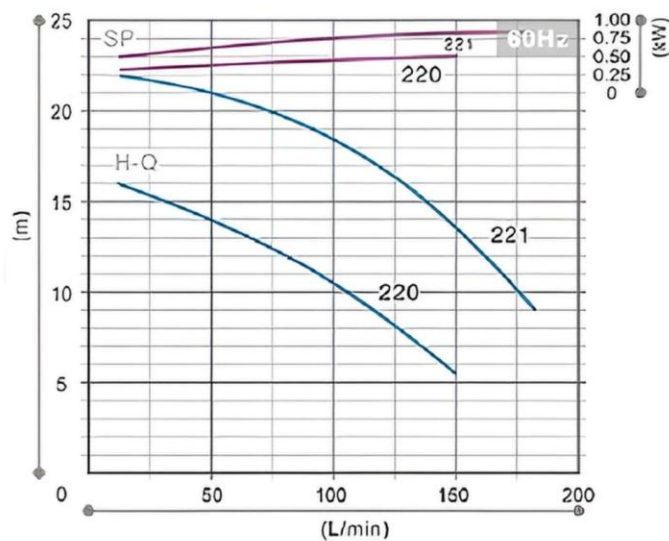
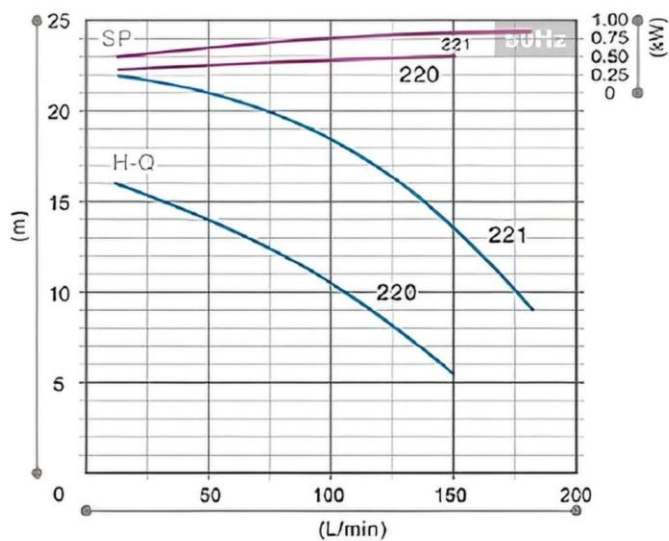
① Series Name	AMA-X	⑦ Shaft	A: CERAMIC S: SSIC
② Suction Size	2:25A(1") 4:40A(1½") 5:50A(2") 6:65A(2½") 8:80A (3")	⑧ Bearing	A: CERAMIC R: PTFE C: CARBON S: SSIC
③ Discharge Size	2:25A(1") 4:40A(1½") 5:50A(2") 6:65A (2½")	⑨ O-ring	E: EPDM V: VITON K: FFKM
④ Motor Power	0: 1/2HP(0.37 kW) 1: 1HP(0.75kW) 2: 2HP(1.5kW) 3: 3HP(2.2kW) 5: 5HP(3.7kW) 7: 7.5HP(5.5kW) 8: 10HP(7.5kW)	⑩ Motor Type	No code: TEFC Indoor type C: TEFC Outdoor type A: Increased safety type
⑤ Connection	F: Flange U: Union	⑪ Special Code	No code: Standard type S: special type
⑥ Casing Material	G: GFRPP P: PVDF C: CFRPP E: CFRETPE		

## SPECIFICATIONS

Model	Inlet x Outlet	Rated Capacity (L/min)	Rated Head (m)	Max. Capacity (L/min)	Max. Head (m)	Motor output (kW)
AMA-X-220	25x25	50	14	150	16	0.37
AMA-X-221	25x25	50	21	180	22	0.75
AMA-X-222	25x25	50	34	180	36	1.5
AMA-X-223	25x25	50	35	180	38	2.2
AMA-X-440	40x40	100	11/11.5	240	13	0.37
AMA-X-441	40x40	150	15.5	330	19.5	0.75
AMA-X-542	50x40	200	22	450	25.5	1.5
AMA-X-552	50x50					
AMA-X-542H	50x40	100	26.5/29	250/150	27.5/30.5	1.5
AMA-X-552H	50x50					
AMA-X-543	50x40	250	26	500	31.5	2.2
AMA-X-553	50x50					
AMA-X-543H	50x40	150	32/34	300/250	34/36	2.2
AMA-X-553H	50x50					
AMA-X-545	50x40	250	31/35	520	35/39	3.7
AMA-X-555	50x50					
AMA-X-653	65x50	450	16	600	20	2.2
AMA-X-655	65x50	500	25	860	28.5	3.7
AMA-X-662	65x65	600	9	900	14	1.5
AMA-X-663	65x65	650	11	1050	17	2.2
AMA-X-665	65x65	750	15	1230	21	3.7
AMA-X-867	80x65	800	22.5	1180	27	5.5
AMA-X-868	80x65	1000	26	1330/1350	33.5	7.5

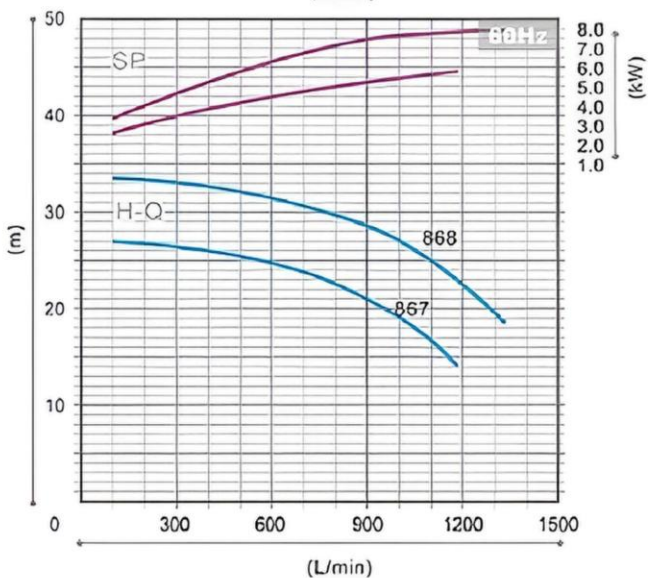
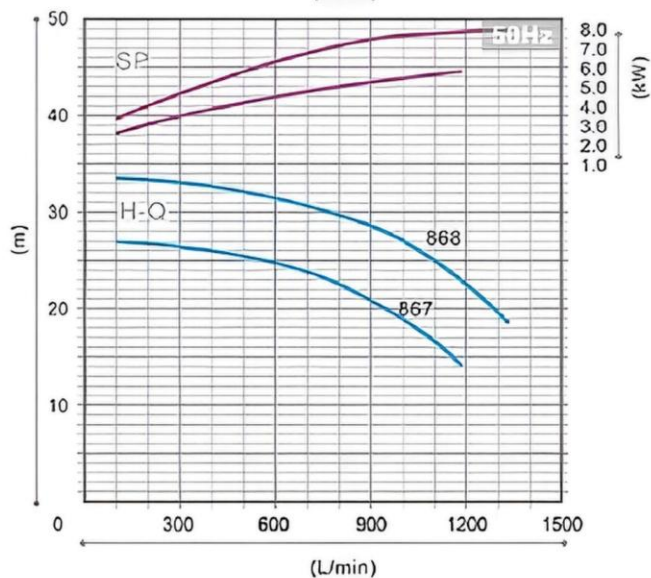
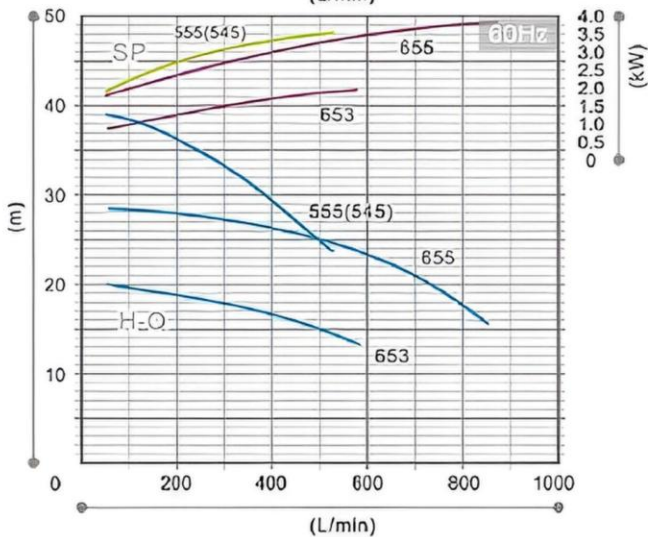
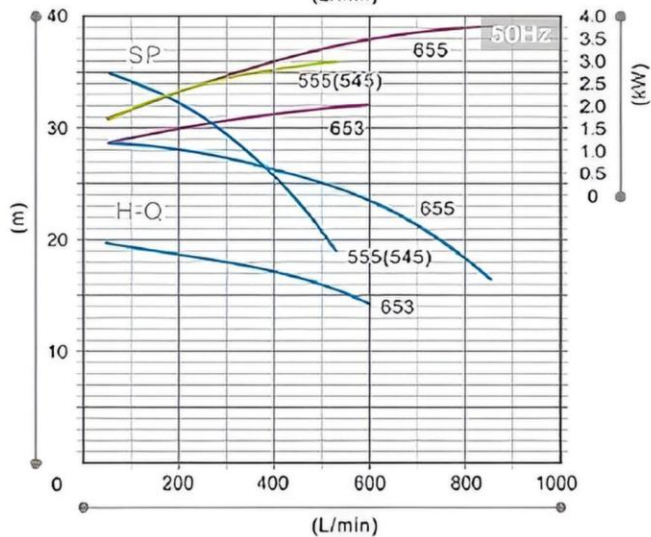
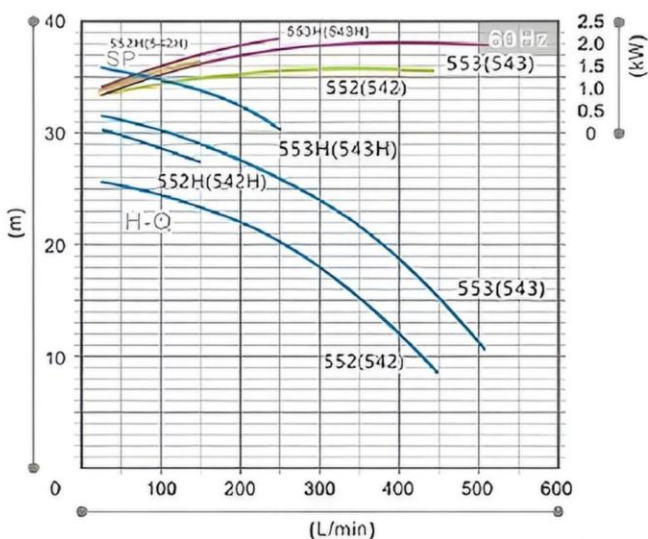
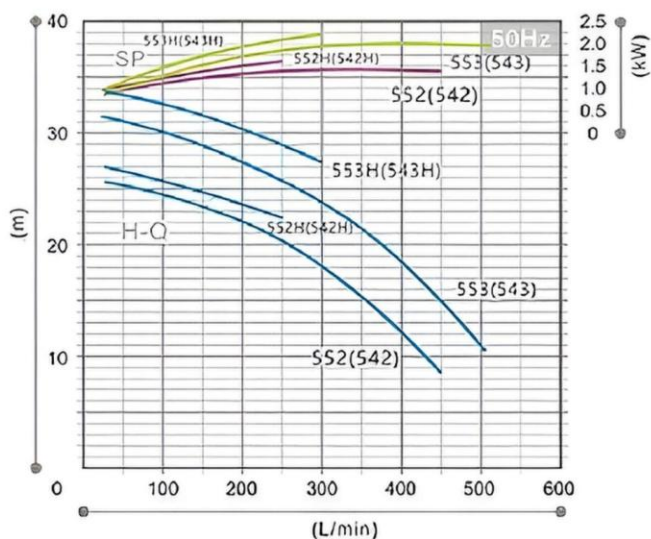
●Liquid temperature range: CFRETPE:0~100℃.

# AMA-X Series Magnetic Drive Pump Selection Curve

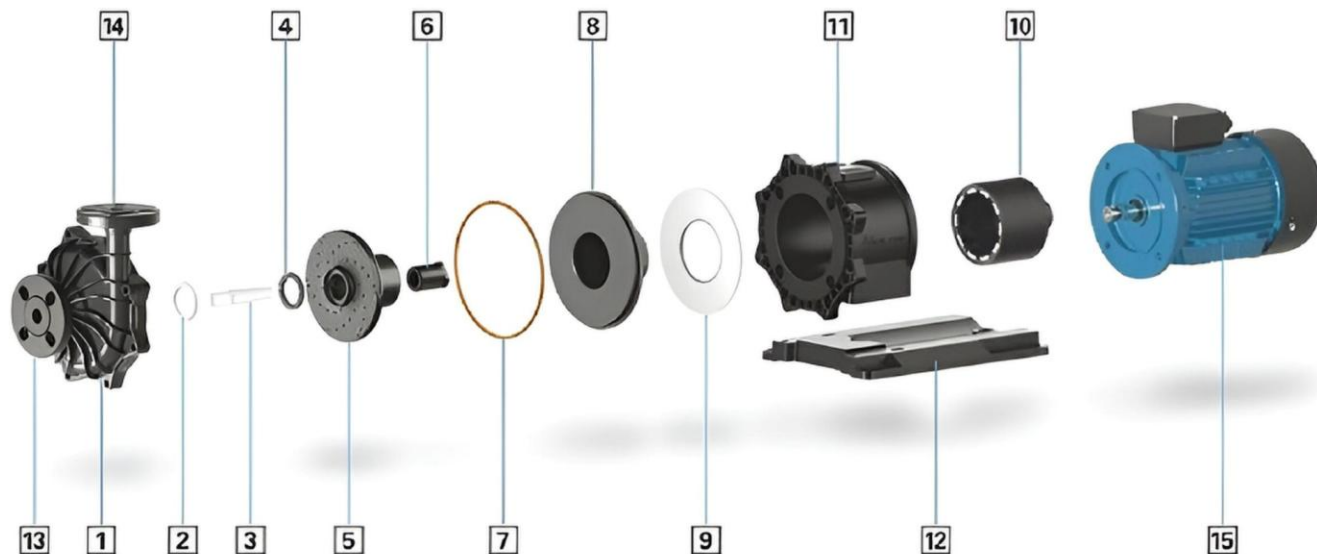




# AMA-X Series Magnetic Drive Pump Selection Curve



# AMA-X Series Magnetic Drive Pump Exploded View & Materials



NO.	Description	ACE	ACV	ARE	ARV	AAE	AAV	SSE	SSV	
1	Pump casing	GFRPP/CFRPP/ PVDF/ CFRETFE								
2	Front thrust ring	CERAMIC						SSIC		
3	Shaft	CERAMIC						SSIC		
4	Wear resistant ring	PTFE						SSIC		
5	Impeller unit	GFRPP/CFRPP/ PVDF/ CFRETFE								
6	Bearing	CARBON		PTFE		CERAMIC		SSIC		
7	O-Ring	Note	EPDM	VITON	EPDM	VITON	EPDM	VITON	EPDM	VITON
8	Rear casing	GFRPP/CFRPP/ PVDF/ CFRETFE								
9	Backup plate	SUS304								
10	Drive magnet	Nd-Fe-B								
11	Frame	GFRPP								
12	Base frame	GFRPP								
13	Inlet adjustable flange	GFRPP/CFRPP/ PVDF/ CFRETFE								
14	Outlet adjustable flange	GFRPP/CFRPP/ PVDF/ CFRETFE								
15	Motor									

● Note: O-ring can choose FFKM.

## AMA-X Series Magnetic Drive Pump Photos

