



MARCH PUMPS

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DESCRIPTION:

Series 2 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps can be serviced with a screwdriver. See the parts list for a breakdown of parts. BC models have an encapsulated impeller magnet.

OPERATION:

Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed impeller may be necessary. For application assistance, contact March Pump.

ELECTRICAL:

The AC-2CP-MD & AC-2AP-MD open air cooled motors as well as BC-2CP-MD & BC-2AP-MD blast cooled motors are available in different electrical configurations such as, 115V 50/60Hz, or 230V 50/60Hz, 1 phase.

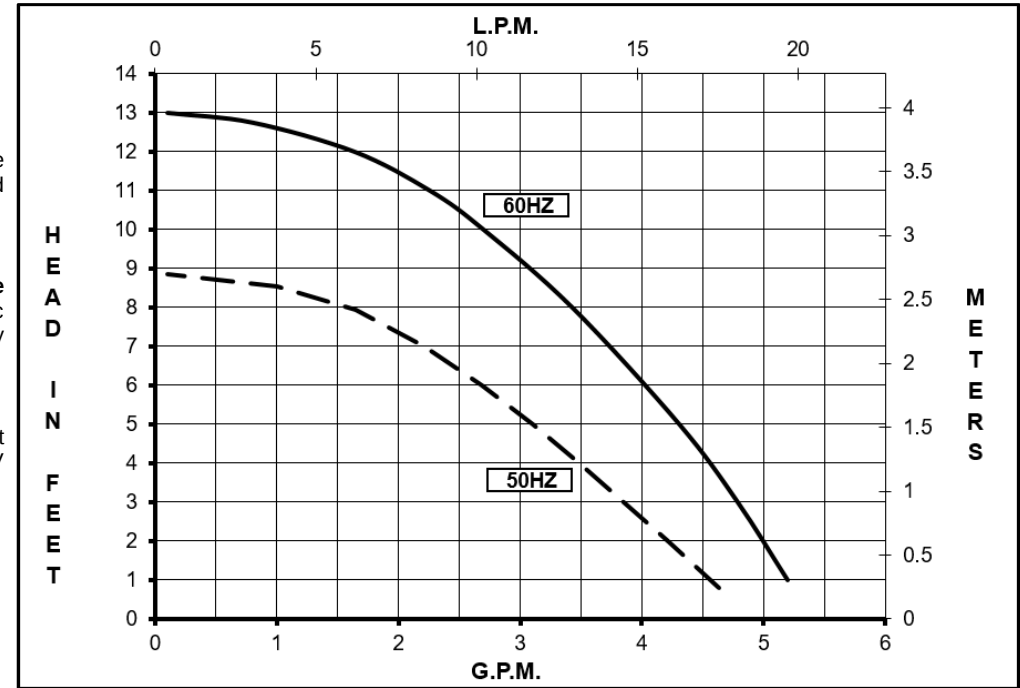
AC-2CP-MD & AC-2AP-MD have an air cooled motor with a 3 ft (0.9 m) cord.

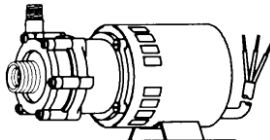
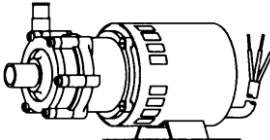
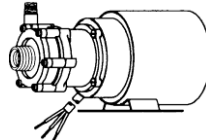
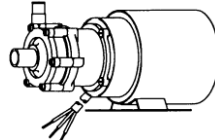
BC-2CP-MD & BC-2AP-MD have a blast cooled motor with a 3 ft (0.9 m) cord.

All motors are U.L. listed and rated for continuous duty.

Model Abbreviations: CP: Threaded Ports, AP: Smooth Ports

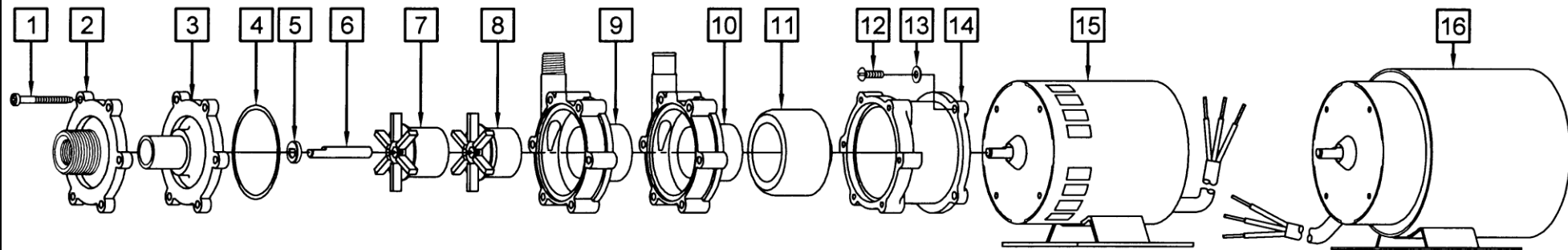
AC-2CP-MD, AC-2AP-MD, BC-2CP-MD, BC-2AP-MD



SPECIFICATIONS		AC-2CP-MD										AC-2AP-MD										BC-2CP-MD										BC-2AP-MD									
																																									
Product #	115 V	0125-0069-0100										0125-0069-0400										0125-0088-0100										0125-0088-0400									
	230 V	0125-0069-0300										0125-0069-0500										0125-0088-0200										0125-0088-0500									
Inlet - Outlet		3/8" FPT & 3/4" MPT - 1/4" MPT										3/4" OD - 1/2" OD										3/8" FPT & 3/4" MPT - 1/4" MPT										3/4" OD - 1/2" OD									
Max Internal Pressure		50 psi (344 kPa)										50 psi (344 kPa)										50 psi (344 kPa)										50 psi (344 kPa)									
Max Liquid Temperature		190 °F (87 °C)										190 °F (87 °C)										190 °F (87 °C)										190 °F (87 °C)									
MODEL	60 Hz															50 Hz															Height		Width		Length		Packed Weight				
	Max Flow		Max Head		ELECTRICAL							Max Flow		Max Head		ELECTRICAL																									
	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	Inches	cm	Inches	cm	Inches	cm	lbs	kg											
AC-2CP-MD	5.0	18.9	13	5.7	4	1	115	1.2	1/40	0.019	3450	4.89	18.5	8.8	3.8	2.7	1	115	1.2	1/40	0.019	2850	4.5	11.4	3.5	8.8	7.39	18.7	4.20	1.90											
							230	0.6										230	0.6											4.25	1.92										
AC-2AP-MD	5.0	18.9	13	5.7	4	1	115	1.2	1/40	0.019	3450	4.89	18.5	8.8	3.8	2.7	1	115	1.2	1/40	0.019	2850	4.5	11.4	3.5	8.8	7.77	19.7	4.20	1.90											
							230	0.6										230	0.6											4.25	1.92										
BC-2CP-MD	5.0	18.9	13	5.7	4	1	115	1.2	1/40	0.019	3450	4.89	18.5	8.8	3.8	2.7	1	115	1.2	1/40	0.019	2850	4.56	11.5	3.91	9.9	8.36	21.2	6.20	2.81											
							230	0.5										230	0.5											6.25	2.83										
BC-2AP-MD	5.0	18.9	13	5.7	4	1	115	1.2	1/40	0.019	3450	4.89	18.5	8.8	3.8	2.7	1	115	1.2	1/40	0.019	2850	4.56	11.5	3.91	9.9	8.73	22.1	6.20	2.81											
							230	0.5										230	0.5											6.25	2.83										
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.																																									

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PARTS LIST



NOTE: When attaching the Drive Magnet to the motor shaft, position the face of the Drive Magnet 1/16 inch below the face of the Motor Bracket.

AC-2CP-MD				BC-2CP-MD			
#				#			
1	0115-0062-1000	6	#7-19 x 1-7/16 Long Self-Tapping Screw (Stainless)	1	0115-0062-1000	6	#7-19 x 1-7/16 Long Self-Tapping Screw (Stainless)
2	0125-0056-1000	1	Cover with 3/8" FPT x 3/4" MPT Inlet (Polypropylene)	2	0125-0056-1000	1	Cover with 3/8" FPT x 3/4" MPT Inlet (Polypropylene)
4A	0125-0065-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Viton)	4A	0125-0065-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Viton)
4B	0125-0066-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Buna N) - Option	4B	0125-0066-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Buna N) - Option
5	0130-0028-1000	1	Thrust Washer (Ceramic)	5	0130-0028-1000	1	Thrust Washer (Ceramic)
6A	0125-0061-1000	1	Shaft (Ceramic)	6A	0125-0061-1000	1	Shaft (Ceramic)
6B	0125-0125-1000	1	Shaft (Stainless) - Option	6B	0125-0125-1000	1	Shaft (Stainless) - Option
8	0125-0055-0100	1	Impeller with Bare Ceramic Magnet (Polypropylene)	7	0125-0087-0200	1	Encapsulated Impeller (Polypropylene)
9	0125-0058-1000	1	Rear Housing with 1/4" MPT Outlet (Polypropylene)	9	0125-0058-1000	1	Rear Housing with 1/4" MPT Outlet (Polypropylene)
11	0125-0083-0100	1	0.250" Bore Drive Magnet	11	0125-0083-0100	1	0.250" Bore Drive Magnet
12	0150-0015-1000	4	#8-32 x 1/2" Long Screw (Stainless)	12	0150-0015-1000	4	#8-32 x 1/2" Long Screw (Stainless)
13	0858-0004-1000	4	#8 Washer (Stainless)	13	0858-0004-1000	4	#8 Washer (Stainless)
14	0125-0069-1000	1	Motor Bracket (Plastic)	14	0125-0069-1000	1	Motor Bracket (Plastic)
15A	0125-0052-1000	1	Motor, 115 V, 50/60 Hz, Air Cooled	16A	0125-0088-1000	1	Motor, 115 V, 50/60 Hz, Blast Cooled
15B	0125-0063-1000	1	Motor, 230 V, 50/60 Hz, Air Cooled	16B	0125-0089-1000	1	Motor, 230 V, 50/60 Hz, Blast Cooled
W	0125-0108-0200	1	Wet End Kit (1, 2, 4A, 5, 6A, 8, 9)	W	0125-0109-0200	1	Wet End Kit (1, 2, 4A, 5, 6A, 7, 9)
AC-2AP-MD				BC-2AP-MD			
#				#			
1	0115-0062-1000	6	#7-19 x 1-7/16 Long Self-Tapping Screw (Stainless)	1	0115-0062-1000	6	#7-19 x 1-7/16 Long Self-Tapping Screw (Stainless)
3	0125-0096-1000	1	Cover with 3/4" OD Smooth Inlet (Polypropylene)	3	0125-0096-1000	1	Cover with 3/4" OD Smooth Inlet (Polypropylene)
4A	0125-0065-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Viton)	4A	0125-0065-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Viton)
4B	0125-0066-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Buna N) - Option	4B	0125-0066-1000	1	3/32" CS x 2-3/16" OD "O" Ring (Buna N) - Option
5	0130-0028-1000	1	Thrust Washer (Ceramic)	5	0130-0028-1000	1	Thrust Washer (Ceramic)
6A	0125-0061-1000	1	Shaft (Ceramic)	6A	0125-0061-1000	1	Shaft (Ceramic)
6B	0125-0125-1000	1	Shaft (Stainless) - Option	6B	0125-0125-1000	1	Shaft (Stainless) - Option
8	0125-0055-0100	1	Impeller with Bare Ceramic Magnet (Polypropylene)	7	0125-0087-0200	1	Encapsulated Impeller (Polypropylene)
10	1008-0001-1000	1	Rear Housing with 1/2" OD Smooth Outlet (Polypropylene)	10	1008-0001-1000	1	Rear Housing with 1/2" OD Smooth Outlet (Polypropylene)
11	0125-0083-0100	1	0.250" Bore Drive Magnet	11	0125-0083-0100	1	0.250" Bore Drive Magnet
12	0150-0015-1000	4	#8-32 x 1/2" Long Screw (Stainless)	12	0150-0015-1000	4	#8-32 x 1/2" Long Screw (Stainless)
13	0858-0004-1000	4	#8 Washer (Stainless)	13	0858-0004-1000	4	#8 Washer (Stainless)
14	0125-0069-1000	1	Motor Bracket (Plastic)	14	0125-0069-1000	1	Motor Bracket (Plastic)
15A	0125-0052-1000	1	Motor, 115 V, 50/60 Hz, Air Cooled	16A	0125-0088-1000	1	Motor, 115 V, 50/60 Hz, Blast Cooled
15B	0125-0063-1000	1	Motor, 230 V, 50/60 Hz, Air Cooled	16B	0125-0089-1000	1	Motor, 230 V, 50/60 Hz, Blast Cooled

MATERIALS IN CONTACT WITH SOLUTION AC-2CP-MD & AC-2AP-MD: Polypropylene, Ceramic, Viton, Ceramic Magnet
BC-2CP-MD & BC-2AP-MD: Polypropylene, Ceramic, Viton

LIMITED WARRANTY:

March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration

NOTE: Contact Factory for other materials and/or parts not listed.

0125-0076-1000 R27