



MARCH PUMPS

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AC-3CP-MD, AC-3AP-MD
BC-3CP-MD, BC-3AP-MD
BC-3K-MD, LC-3CP-MD

DESCRIPTION:

Series 3 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps are serviceable with a screwdriver. The "LC" model is hermetically encapsulated which allows the pump to be run fully submerged or in open air for complete moisture protection. See the parts list for a breakdown of parts.

OPERATION:

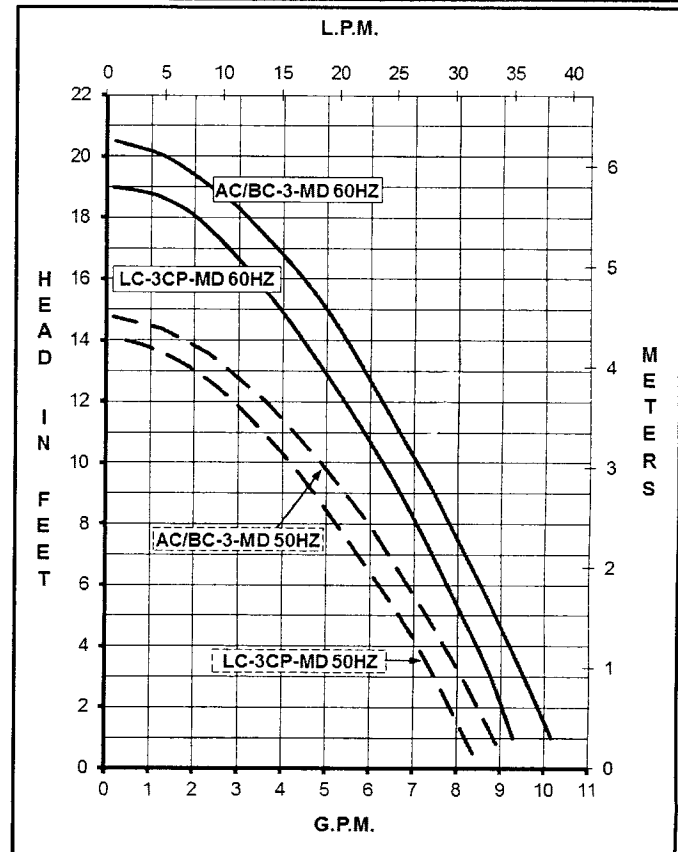
Pumps are not self-priming, lack a suction lift, and thus require a flooded suction. Pumps cannot be run dry because the impeller requires the liquid being pumped for lubrication. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed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

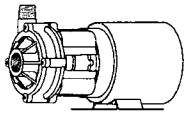
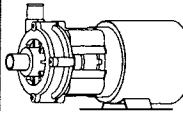
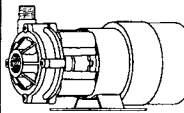
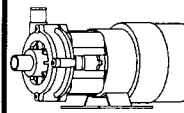
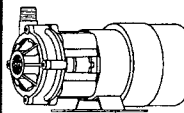
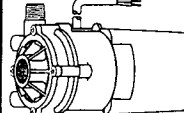
ELECTRICAL:

Motors are available in different electrical configurations such as 115V 60Hz, 115V 50/60Hz, or 230V 50/60Hz, 1 phase.

LIMITED WARRANTY:

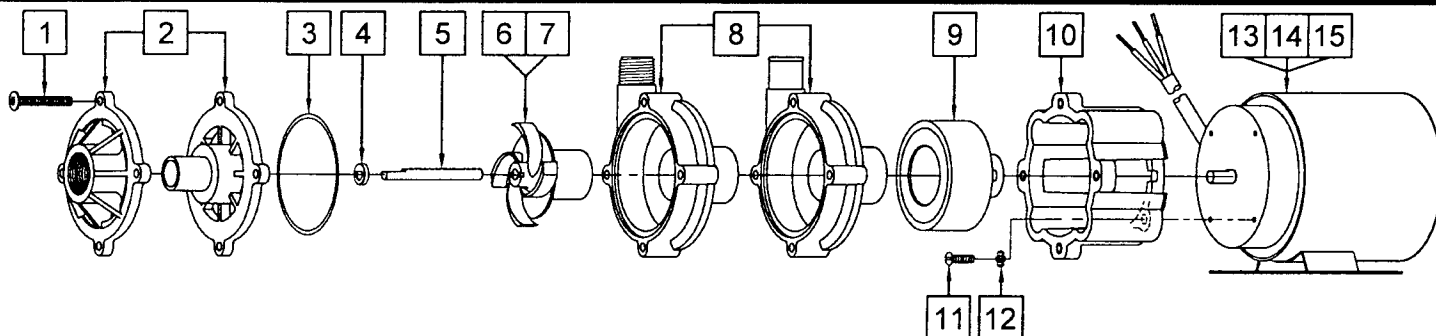
March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration



SPECIFICATIONS			AC-3CP-MD	AC-3AP-MD	BC-3CP-MD	BC-3AP-MD	BC-3K-MD	LC-3CP-MD
								
Model Abbreviations			C: Threaded Inlet/Outlet, A: Smooth Inlet/Outlet, K: Kynar, LC: Liquid Cooled					
Max Flow	60Hz - 50Hz	10 gpm - 33 lpm						8.5 gpm - 31 lpm
Max Head	60Hz - 50Hz	20.5 ft / 8.9 psi - 4.5 m						19 ft / 8.2 psi - 4.3 m
Inlet		3/4" FPT	3/4" OD	3/4" FPT	3/4" OD	3/4" FPT	3/4" FPT	
Outlet		1/2" MPT	3/4" OD	1/2" MPT	3/4" OD	1/2" MPT	1/2" MPT	
Max Internal Pressure		50 psi / 3.4 bar	50 psi / 3.4 bar	50 psi / 3.4 bar	50 psi / 3.4 bar	75 psi / 5 bar	25 psi / 1.7 bar	
Max Liquid Temperature		190°F / 87°C	190°F / 87°C	190°F / 87°C	190°F / 87°C	200°F / 93°C	130°F / 54°C	
Overall Pump Size (H x W x L)	115V	Inches	5 x 3.91 x 8.12	5 x 3.91 x 8.90	5 x 4 x 8.77	5 x 3.81 x 9.55	5 x 4 x 8.77	4.87 x 4.75 x 7.38
		cm	12.7 x 9.9 x 20.6	12.7 x 9.9 x 22.6	12.7 x 10.1 x 22.2	12.7 x 9.6 x 24.2	12.7 x 10.1 x 22.2	12.3 x 12.0 x 18.7
	230V	Inches	5 x 4 x 8.77	5 x 4 x 9.55	5 x 4 x 8.77	5 x 3.81 x 9.55	5 x 4 x 8.77	4.87 x 4.75 x 7.38
		cm	12.7 x 10.1 x 22.2	12.7 x 10.1 x 24.2	12.7 x 10.1 x 22.2	12.7 x 9.6 x 24.2	12.7 x 10.1 x 22.2	12.3 x 12.0 x 18.7
Packed Weight	115V	6.55 lbs / 2.97 kg	6.55 lbs / 2.97 kg	7.55 lbs / 3.42 kg	7.55 lbs / 3.42 kg	7.55 lbs / 3.42 kg	7.90 lbs / 3.58 kg	
	230V	7.50 lbs / 3.40 kg	7.50 lbs / 3.40 kg	7.60 lbs / 3.44 kg	7.60 lbs / 3.44 kg	7.60 lbs / 3.44 kg	7.95 lbs / 3.60 kg	
Models		AC-3CP-MD & AC-3AP-MD		BC-3CP-MD, BC-3AP-MD & BC-3K-MD			LC-3CP-MD	
		60Hz	50Hz	60Hz		50Hz	60Hz 50Hz	
Motor Type		AC: Air Cooled		BC: Blast Cooled			TE/SUB	
Rating		U.L. listed motor		U.L. listed motor			U.L. listed motor	
Duty		Continuous		Continuous			Continuous	
1Ph	115V	Watts - Amps		150 - 2.3		134 - 2.1		120 - 2.0 137 - 2.36
	230V			134 - 0.9		143 - 1.8		120 - 1.0 100 - 1.0
	Hp / Kw		1/15		1/15		1/20 0.037	
	Rpm		3450		3450		3450 2850	
Electrical Connection	115V	3 ft (0.9 m) Cord		6 ft (1.8 m) Cord			6 ft (1.8 m) Cord	
	230V	6 ft (1.8 m) Cord		6 ft (1.8 m) Cord			6 ft (1.8 m) Cord	
Materials in Contact with Solution:		AC-3CP-MD & AC-3AP-MD:		Polypropylene, Ceramic, Buna N, Ceramic Magnet				
		BC-3CP-MD & BC-3AP-MD:		Polypropylene, Ceramic, Viton		BC-3K-MD: Kynar/Carbon Filled, Ceramic, Viton		
		LC-3CP-MD:		Polypropylene, Cupric Nickel, Buna N, Ceramic, Ceramic Magnet				
		LC-3CP-MD Submerged:		These additional materials: Epoxy, Stainless Steel, Ryton, & cord.				
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.								

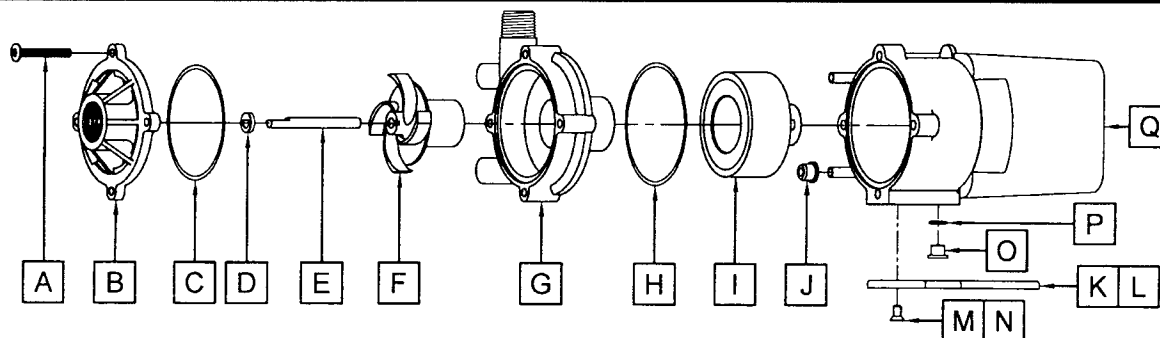
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PARTS LIST



NOTE: When attaching the Drive Magnet to the motor shaft, position the face of the Drive Magnet 3/32 inch below the face of the Motor Bracket.

#	DESCRIPTION	MATERIAL	SIZE (Inches)	QTY.	PART #				
					AC-3CP-MD	AC-3AP-MD	BC-3CP-MD	BC-3AP-MD	BC-3K-MD
1	Screw	Stainless	#10-32 x 1-1/2 Lg.	4			0823-0008-1000		
2	Cover (Inlet)	Polypropylene	3/4 FPT	1	0130-0021-1000		0130-0021-1000		
		Polypropylene	3/4 OD	1		0130-0064-1000		0130-0064-1000	
		Kynar	3/4 FPT Inlet	1					0130-0111-1000
3	"O" Ring	Buna N	3/32 CS x 2-13/16 OD	1	0130-0011-1000				
		Viton		1			0130-0033-1000		
	"O" Ring (Option)	Viton/Teflon		1			0130-0121-1000		
4	Thrust Washer	Ceramic		1			0130-0028-1000		
5	Shaft	Ceramic		1			0130-0024-1000		
6	Impeller	Polypropylene/Ceramic Magnet		1	0130-0020-0100				
7	Encapsulated Impeller	Polypropylene		1			0130-0069-0200		
		Kynar		1					0130-0112-0200
8	Rear Housing	Polypropylene	1/2 MPT	1	0130-0018-1000		0130-0018-1000		
		Polypropylene	3/4 OD	1		0130-0102-1000		0130-0102-1000	
		Kynar	1/2 MPT	1					0130-0110-1000
9	Drive Magnet			1			0130-0043-0200		
10	Motor Bracket	Plastic		1			0130-0066-0100		
11	Screw	Stainless	#8-32 x 5/8 Lg.	4			0618-0027-1000		
12	Lock Washer	Steel	#8	4			0140-0014-1000		
13	AC Motor, 115V, 60Hz			1	0130-0022-1000				
14	BC Motor, 115V, 50/60Hz (Not Shown)			1			0130-0140-1000		
15	AC or BC Motor, 230V, 50/60Hz			1			0130-0049-1000		



#	DESCRIPTION	MATERIAL	SIZE (Inches)	QTY.	LC-3CP-MD
A	Screw	Stainless	#10-32 x 1-1/2 Lg.	4	0823-0008-1000
B	Cover	Polypropylene	3/4 FPT Inlet	1	0130-0021-1000
C	"O" Ring	Buna N	3/32 CS x 2-13/16 OD	1	0130-0011-1000
D	Thrust Washer	Ceramic		1	0130-0028-1000
E	Shaft	Ceramic		1	0130-0024-1000
F	Impeller	Polypropylene/Ceramic Magnet		1	0130-0020-0100
G	Rear Housing & Plug Assy.	Polypropylene	1/2 MPT Outlet	1	0130-0019-0100
H	Bracket "O" Ring	Buna N	3/32 CS x 3 OD	1	0130-0025-1000
I	Drive Magnet			1	0130-0043-0200
J	Cooling Tube Seal	Buna N		2	0125-0007-1000
K	Mounting Base	Polypropylene		1	0125-0037-1000
L	Marine Base w/Grommets (Not Shown) (Option)	Polypropylene		1	0125-0113-0100
M	Base Screw	Stainless		2	0130-0132-1000
N	Marine Base Screw (Not Shown) (Option)	Stainless		2	0130-0146-1000
O	Plug (for Motor Bracket)			1	0125-0110-1000
P	"O" Ring	Viton	1/16 CS x 7/16 OD	1	0210-0008-1000
Q	L.C. Epoxy Motor, Bracket, Cord Assembly			N/A	Not Available

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

0130-0032-1000 R26