

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. The "LC" model is hermetically encapsulated allowing the pump to run fully submerged or in open air for complete moisture protection. Model 2CP-MD must be run submerged only. See the parts list for a breakdown of parts. BC models have an encapsulated impeller magnet.

OPERATION:

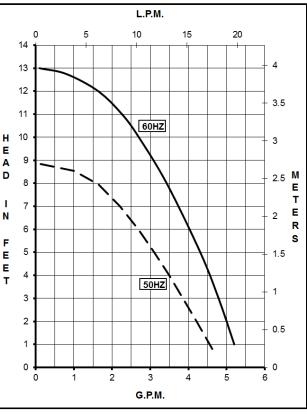
Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a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

ELECTRICAL:

Pumps are U.L. Recognized under File No. E80954. U.L. Recognition On Pumps Is For Water Only. Model 2CP-MD 115 V has a 6 ft (1.8 m) cord with plug, 230 V has a 6 ft (1.8 m) cord. Models LC-2CP-MD 115 V & 230 V have a 6 ft (1.8 m) cord.

Model Abbreviations: CP: Threaded Ports, LC: Liquid Cooled

2CP-MD, LC-2CP-MD



	2CP-MD											LC-2CP-MD																		
SPECIFICAT																														
Product	Braduet # 115 V					0125-0058-0100										0125-0057-0200														
FIOUUCI	Product # 230 V				0125-0058-0200											0125-0057-0300														
I	Inlet - Outlet						3/8" FPT & 3/4" MPT - 1/4" MPT										3/8" FPT & 3/4" MPT - 1/4" MPT													
Max Intern	Max Internal Pressure 50 psi (344 kPa)									25 psi (172 kPa)																				
Max Liquid Temperature 130 °F (54 °C)													130 °F (54 °C)																	
				60 Hz									<u>50 Hz</u>						I		Hoid	Height Wi		łth	Len	Length		Packed		
MODEL	Max	Flow	Max Head			ELECTRICAL					Flow	Ма	Max Head					CTRICAL				Width		Lengui		Weight				
	gpm	lpm	ft	psi	m	Ph	V	Α	Нр	kW	Rpm	gpm	lpm	ft	psi	m	Ph	V	Α	Нр	kW	Rpm	Inches	cm	Inches	cm	Inches	cm	lbs	kg
2CP-MD	5.0	18.9	13	5.7	4	1	115 230	0.92	1/50 1/40	0.015 0.019	3450	4.89	18.5	8.8	3.8	2.7	1	115 230	1.1 0.72	1/55	0.014	2850	4.13	10.4	4.87	12.3	6.11	15.5	5.05 5.05	2.29 2.29
LC-2CP-MD	5.0	18.9	13	5.7	4	1				0.015 0.019					3.8	2.7	1	115		1/55	0.014	2850	4.13	10.4	4.87	12.3	6.11	15.5	5.10 5.20	2.31
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.																														

PARTS LIST													
	Drive Magnet to the mot	or shaft, position the face of the Dri	ive Magnet 1/16 inch below	v the face	of the Motor Bracket								
# 2CP-MD L	LC-2CP-MD	MATERIAL	SIZE (Inches)	QTY.	2CP-MD	LC-2CP-MD							
A Self-Tapping Screw		Stainless	#7-19 x 1-7/16 Lg.	6	0115-00	62-1000							
B Cover		Polypropylene	3/8 FPT x 3/4 MPT	1	0125-00								
C "O" Ring		Viton	3/32 CS x 2-3/16 OD	1	0125-00								
D Thrust Washer		Ceramic		1	0130-00								
E Shaft		Stainless		1	0125-01								
F Impeller with Ceramic Magnet		Polypropylene		1	0125-0055-0100								
	r Housing & Plug	Polypropylene	1/4 MPT	1	0125-0058-1000	0125-0057-0100							
H Bracket "O" Ring		Viton	1/16 CS x 2-3/8 OD	1	0125-01								
I Cooling Tube Seal		Buna N		2		0125-0007-1000							
J Mounting Base		Polypropylene		1	0125-00								
K Marine Base (Not Shown) (Option)		Polypropylene & Grommets		1		0125-0113-0100							
L Base Screw		Stainless		4	0125-01								
M Plug (Motor Bracket)				1	0125-01								
N "O" Ring		Viton	1/16 CS x 7/16 OD	1	0210-00								
	oxy Motor Assembly			n/a	Not Av								
W Wet End Kit (A, B, C, D, E, F, G, H, I)						0125-0115-0200							
MATERIALS IN CONTACT WITH SOLUTION: Polypropylene, Ceramic, Viton, Stainless Steel, Ceramic Magnet When submerged also Epoxy, Buna N, cord.													
LIMITED WARRANTY: March pumps are guaranteed only against			one year from date of r	nanufac	ture pumping water	r. 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.

0125-0074-1000 R21