

Marine Centrifugal Seawater Pumps

Ultra-Durable Centrifugal Seawater Pumps



Clockwise from left: Air-cooled AC-5CP-MD and liquid-cooled LC-5CP-MD, LC-3CP-MD, and LC-2CP-MD

Dometic's marine centrifugal seawater pumps are an excellent choice for providing seawater circulation for marine air conditioning systems. The proven magnetic drive eliminates the troublesome mechanical shaft seal.

There is no seal wear, power-robbing friction, or leakage through the seal. The impeller and drive magnets are strong, permanent ceramic types, which prevent slippage, ensuring that full motor power is converted into pumping power.

Centrifugal pumps require a flooded inlet and should be mounted below the waterline. "LC" models have liquid-cooled motors and can be run in open air or submerged. "AC" models have air-cooled, open drip-proof motors and must be in a dry environment.

Replacement parts are available through Dometic.



Liquid-cooled models (clockwise from top): LC-5CP-MD, LC-3CP-MD, and LC-2CP-MD



Air-cooled model AC-5CP-MD

Key Benefits

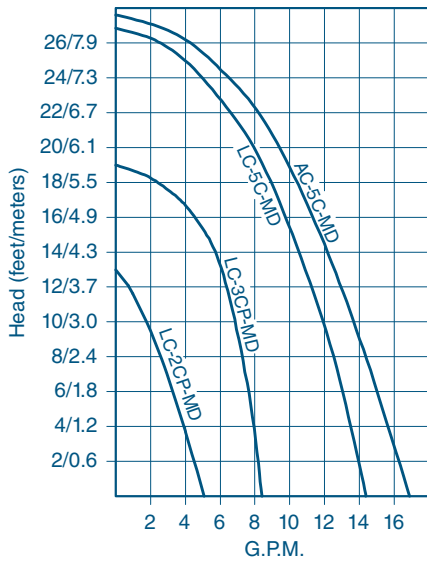
- Magnetic-drive impeller means no seal to wear, leak, or repair
- Efficient motor with low power consumption
- Exclusive marine-grade base
- 115V and 230V models
- Liquid-cooled (submersible) and air-cooled motors available
- All components in contact with water are plastic, ceramic, or stainless steel
- 6 ft. (1.8 m) power cord is standard
- 1-year warranty on parts

Specifications for Marine Centrifugal Seawater Pumps

Model	LC-2CP-MD		LC-3CP-MD		LC-5CP-MD		AC-5C-MD	
Voltage (V)	115	230	115	230	115	230	115	230
Cycle (Hz) ⁽¹⁾	50/60		50/60		50/60		50/60	
Phase (Ph)	1		1		1		1	
Amps (A)	1	0.53	2	1	2.2	1.1	2.1	1
Max. Flow (gpm)	5		8.5		14.5		17	
Max. Head (ft/m)	13/3.1		19/5.8		27/8.3		27/8.3	
Ignition Protection	yes		yes		yes		yes	
Motor HP (hp)	1/35		1/20		1/8		1/8	
Motor Type ⁽²⁾	TE/SUB		TE/SUB		TE/SUB		OD	
Inlet Connection (in)	3/4		3/4		1		1	
Outlet Connection (in)	1/4		1/2		1/2		1/2	
Net Weight (lbs/kg)	5/2.3		9/4.1		15.5/7.1		10/4.6	
Wet End Assembly	A-507P		A-508P		A-506LC		A-506	

¹ Standard (50/60Hz) pumps may be operated at 50Hz and reduced voltages but with a 17% reduction in flow and as much as a 30% drop in head; the LC-3CP-MD is 60Hz only and may not be operated at 50Hz.
² TE/SUB motors are totally enclosed liquid-cooled types and can be operated in the open air or submerged; OD motors are open, drip-proof and air-cooled types which must be kept dry.

Performance Curve



DOMETIC MARINE DIVISION
 2000 N. Andrews Ave. Ext. | Pompano Beach, FL 33069 USA | Tel. 954-973-2477 | Fax: 954-979-4414
 www.Dometic.com/Marine | MarineSales@DometicUSA.com

24/7 TECH SUPPORT FOR UNITED STATES & CANADA:
 8:00 AM to 5:00 PM Eastern Time: 800-542-2477
 After hours and weekends: 888-440-4494

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CLIMATE

CENTRIFUGAL PUMPS FOR MARINE A/C

Marine centrifugal pumps are an excellent choice for providing seawater circulation for air conditioning systems. The proven magnetic drive eliminates the troublesome mechanical shaft seal.

SUBMERSIBLE
RATED IP66

SAVES POWER
EFFICIENT MOTOR

RUN DRY PROTECTED
THERMAL OVERLOAD



115V/50 OR 60Hz
230V/ 50 OR 60Hz

Mobile living made easy.

 **DOMETIC** **OUTDOOR**

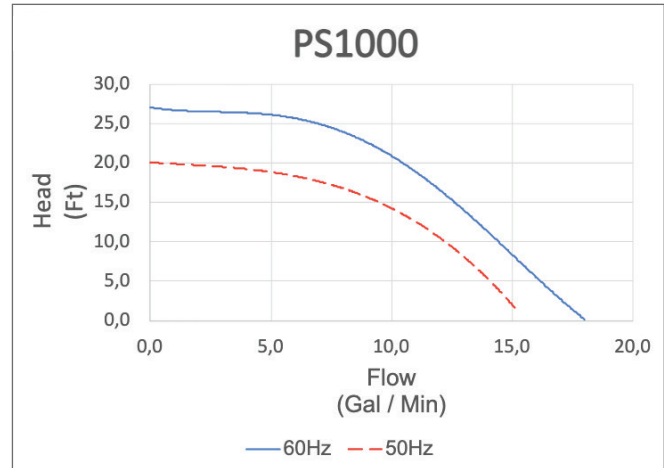
ULTRA-DURABLE CENTRIFUGAL SEAWATER PUMPS

TECHNICAL DATA						
Model	PS250		PS500		PS1000	
Voltage (V)	115	230	115	230	115	230
Cycle (Hz) ¹	50/60		50/60		50/60	
Phase (Ph)	1		1		1	
Amps (A)	1.1	0.5	1.8	0.9	2.0	1.0
Max. Flow (gpm/lpm)	5/19		8.5/32		16.6/63	
Max. Head (ft/m)	13/4.0		19/5.8		28/8.5	
Ignition Protection	yes		yes		yes	
Motor HP (hp)	1/35		1/20		1/8	
Inlet Connection (in/mm)	0.75/19		0.75/19		1/26	
Outlet Connection (in/mm)	0.25/7		0.5/13		0.5/13	
Net Weight (lbs/kg)	5/2.3		9/4.1		15.5/7.1	
Replaced Pumps	PML250 & LC-2CP-MD		PML500 & LC-3CP-MD		PML1000 & LC-5CP-MD	

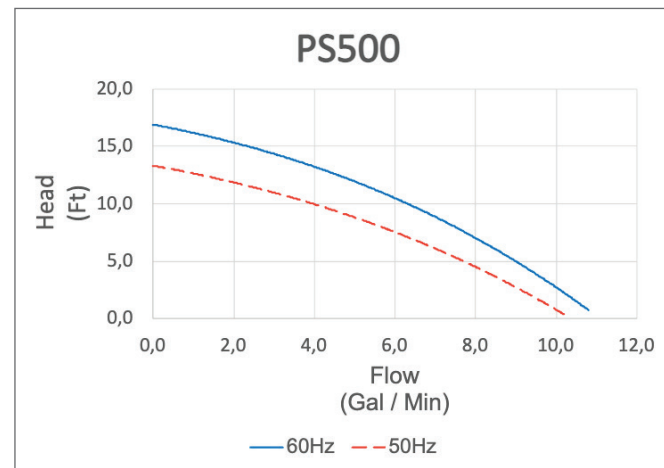
¹Standard (50/60Hz) pumps may be operated at 50Hz and reduced voltages but with a 17% reduction in flow and as much as a 30% drop in head.

SEAWATER PUMP CURVE DATA

1000 GPH					
115V / 230V (50 HZ)			115V / 230V (60 HZ)		
Head (m)	Head (ft)	GPM	Head(m)	Head(ft)	GPM
6,096	20,0	0,0	8,2296	27,0	0,0
5,4864	18,0	6,5	7,9248	26,0	5,6
4,8768	16,0	8,8	7,3152	24,0	7,5
4,2672	14,0	10,2	6,7056	22,0	9,5
3,6576	12,0	11,0	5,1816	17,0	12,0
2,4384	8,0	12,9	3,6576	12,0	13,5
1,8288	6,0	14,0	2,4384	8,0	15,0
0,9144	3,0	15,0	1,8288	6,0	16,0
0	0,0	15,2	0	0,0	18,0



500 GPH					
115V / 230V (50 HZ)			115V / 230V (60 HZ)		
Head(m)	Head(ft)	GPM	Head (m)	Head (ft)	GPM
4,0	13,2	0,0	5,1	16,8	0,0
3,7	12,0	2,0	4,4	14,5	3,0
3,4	11,0	3,0	3,7	12,0	5,0
3,0	10,0	4,0	2,6	8,5	7,0
2,1	7,0	6,0	2,0	6,7	8,0
1,8	6,0	7,0	1,2	3,9	10,0
1,5	5,0	8,0	0,0	0,0	10,8
0,3	1,0	10,0			
0,0	0,0	10,2			



250 GPH					
115V / 230V (60 HZ)			115V / 230V (50 HZ)		
Head(m)	Head(ft)	GPM	Head (m)	Head (ft)	GPM
3,0	10,0	0,0	4,0	13,2	0,0
2,7	9,0	1,5	3,4	11,0	2,5
2,1	7,0	3,0	2,7	9,0	3,5
1,5	5,0	3,5	2,0	6,5	4,0
0,8	2,5	4,0	0,8	2,5	4,5
0,0	0,0	4,5	0,0	0,0	5,0

