

# Seawater Pumps

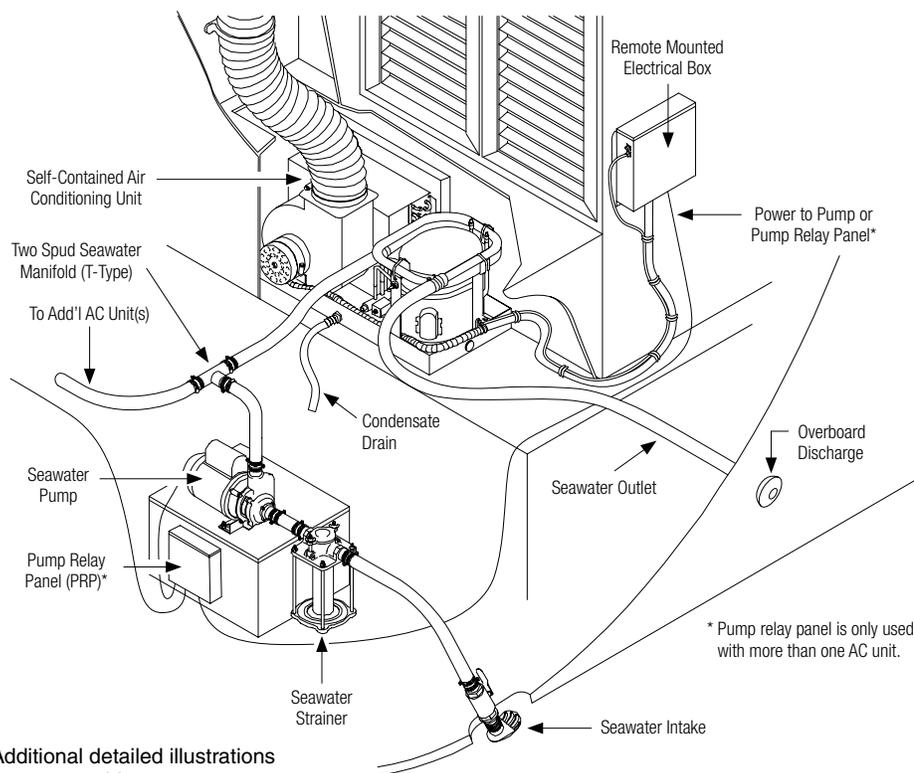
## Reliable & Heavy-duty Centrifugal Pumps

Photo courtesy of Cruisers Yachts



P711, PML500CL, and PDS250C shown

### Typical Installation of a Seawater Pump



Additional detailed illustrations on reverse side.

### Key Benefits

- Pumps are centrifugal type, providing longevity, quiet operation and minimum maintenance.
- Three phase AC motors are ignition protected. Single phase AC motors have built-in thermal overload protection. Single phase pumps P-700 and smaller are ignition protected.
- Pump wetted components are constructed of high quality, non-corrosive materials.
- Most pump heads are easily rotated, allowing proper application, maintenance and service.
- All threaded intake and discharge ports are U.S. standard taper pipe thread (NPT).
- Each pump is supplied with a vibration isolated mounting bracket, intake and discharge hose fittings and electrical connections.
- All units meet or exceed applicable ABYC and U.S. Coast Guard regulations, CE Directives and general Air Conditioning and Refrigeration (ARI) standards.

# Technical Specifications for Seawater Pumps

Model	Volts/Hz/Phase	Amps	IP <sup>(2)</sup>	HP	Pump Head <sup>(3)</sup> Ft. H2O	GPM <sup>(4)</sup>	Capacity BTU/hr <sup>(5)</sup>	Inlet X Outlet	Height (in/mm)	Width (in/mm)	Length (in/mm)	Net Weight (lb/kg)
P800 12VDC	12 VDC	1.0	N	1/150	7	2	6,000	3/8" FPT X 3/8" OD	3.75/95	2.81/71	5.13/130	1.2/0.5
PMLL150-12V DC	12 VDC	1.0	N	1/150	7	2	6,000	3/8" FPT X 3/2" HB	3.0/76	2.75/70	4.5/114	1.0/0.5
PMLL150-24V DC	24 VDC	0.5	N	1/150	7	2	6,000	3/8" FPT X 3/2" HB	3.0/76	2.75/70	4.5/114	1.0/0.5
PDS250	115/60/1	1.5	Y	1/40	7	3	12,000	1/2" MPT X 1/4" MPT	3.75/95	3.75/95	4.75/121	4.8/2.2
PDS250C	230/50-60/1	0.9	Y	1/40	7	3	12,000	1/2" MPT X 1/4" MPT	3.75/95	3.75/95	4.75/121	4.8/2.2
PML250	115/60/1	1.0	Y	1/35	7	3	12,000	3/4" MPT X 1/4" MPT	4.70/119	5.60/142	6.20/157	5.0/2.3
PML250C	230/50-60/1	0.5	Y	1/35	7	3	12,000	3/4" MPT X 1/4" MPT	4.70/119	5.60/142	6.20/157	5.0/2.3
P900-12V DC	12 VDC	3.8	N	1/25	6.5	3	12,000	1/2" FPT X 1/2" HB	4.5/114	3.5/89	9.0/229	4.5/2.0
P900-24V DC	24 VDC	1.9	N	1/25	6.5	3	12,000	1/2" FPT X 1/2" HB	4.5/114	3.5/89	9.0/229	4.5/2.0
PML500L	115/60/1	2.0	Y	1/20	14	6	24,000	3/4" MPT X 1/2" MPT	5.60/142	5.60/142	7.40/188	9.0/4.1
PML500CL	230/50-60/1	1.0	Y	1/20	14	6	24,000	3/4" MPT X 1/2" MPT	5.60/142	5.60/142	7.40/188	9.0/4.1
PML500CK	220/50/1	0.8	Y	1/20	9.5	6	20,000	3/4" MPT X 1/2" MPT	5.60/142	5.60/142	7.40/188	9.0/4.1
PMA500	115/60/1	2.4	Y	1/12	14	7.5	30,000	3/4" MPT X 1/2" MPT	5.0/127	4.0/102	9.0/229	7.0/3.2
PMA500C	230/50-60/1	1.2	Y	1/12	14	7.5	30,000	3/4" MPT X 1/2" MPT	5.0/127	4.0/102	9.0/229	7.0/3.2
PMA500CK	220/50/1	0.9	Y	1/12	11	5	20,000	3/4" MPT X 1/2" MPT	5.0/127	4.0/102	9.0/229	7.0/3.2
PMA1000	115/60/1	2.1	Y	1/8	14	12	48,000	1" FPT X 1/2" MPT	6.25/159	4.50/114	9.10/231	10/4.5
PMA1000C	230/50-60/1	1.0	Y	1/8	14	12	48,000	1" FPT X 1/2" MPT	6.25/159	4.50/114	9.10/231	10/4.5
P100	115/60/1	7.2	Y	1/3	16	15	60,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	25/11
P100Z	230/50-60/1	3.6	Y	1/3	16	15	60,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	25/11
P120	115/60/1	4.9	Y	1/3	25	21	84,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	25/11
P120Z	230/50-60/1	3.5	Y	1/3	25	21	84,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	25/11
P700	115/60/1	7.2	Y	1/3	21	32	128,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	26/12
P700Z	230/50-60/1	3.6	Y	1/3	21	32	128,000	1.25" FPT X 1" FPT	6.50/165	6.50/165	13.0/330	26/12
P110Z-3PH	230/50-60/3	2.8	Y	1/2	20	18	72,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	25/11
P110-460/3PH	460/60/3	1.4	Y	1/2	20	18	72,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	25/11
P110-380/3PH	380/50/3	1.7	Y	1/2	15	15	60,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	25/11
P700Z-3PH	230/50-60/3	2.8	Y	1/2	32	32	128,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	30/14
P700-460/3PH	460/50-60/3	1.4	Y	1/2	32	32	128,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	30/14
P700Z50-3PH	220/50/3	2.9	Y	1/2	21	32	128,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	30/14
P700-380/3PH	380/50/3	1.7	Y	1/2	21	32	128,000	1.25" FPT X 1" FPT	8.0/203	7.50/191	15.40/391	30/14
P710	115/50-60/1	9.8	N	1/2	32	43	172,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	34/15
P710Z	230/50-60/1	4.9	N	1/2	32	43	172,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	34/15
P710Z-3PH	230/60/3	2.2	Y	1/2	32	43	172,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	34/15
P710-460/3PH	460/60/3	1.1	Y	1/2	32	43	172,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	34/15
P710Z50	220/50/1	7.2	N	3/4	30	54	216,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	37/17
P710Z50-3PH	380/50/3	3.3	Y	3/4	30	54	216,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	37/17
P710-380/3PH	380/50/3	1.9	Y	3/4	30	54	216,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	37/17
P711	115/50-60/1	16.0	N	1	42	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711Z	230/50-60/1	8.0	N	1	42	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711Z-3PH	230/60/3	4.2	Y	1	42	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711-460/3PH	460/60/3	2.1	Y	1	42	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711Z50-3PH	220/50/3	4.4	Y	1	44	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711-380/3PH	380/50/3	2.5	Y	1	44	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711Z 1.5HP	230/60/1	10.0	N	1.5	45	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22
P711Z50 1.5HP	220/50/1	10.5	N	1.5	45	60	240,000	1.50" FPT X 1.50" FPT	9.40/239	7.50/191	15.40/391	49/22

**Notes:**

- <sup>(1)</sup> Electrical and mechanical specifications for 50-60Hz pumps are rated at 60Hz. Operating a 50-60Hz pump at 50Hz will reduce the pump head by 30% and the GPM by 17%. Do not operate 60Hz only pumps at 50Hz.
- <sup>(2)</sup> Ignition protected.
- <sup>(3)</sup> Head calculation required for system is dependent on number and size of unit(s), length of hose, use of 90° elbows and the height of the unit(s) above the pump. Please refer to the Marine Air Systems' pump sizing guide or consult the Applications department.
- <sup>(4)</sup> GPM flow is rated at indicated pump head.
- <sup>(5)</sup> Capacities given are determined using an average of 3 GPM per ton (12,000 BTU/Hr) at given GPM and head, and are rated for direct expansion (DX) AC systems only.

Contact the Applications department for AC pumps larger than P711.

**DOMETIC CORPORATION, ENVIRONMENTAL DIVISION**

2000 N. Andrews Ave. Ext. I Pompano Beach, FL 33069 USA | 954-973-2477 | Fax 954-979-4414  
 P.O. Box 15299 | Richmond, VA 23227 USA | 804-746-1313 | Fax 804-746-7248  
 www.DometicEnviro.com | sales@DometicEnviro.com

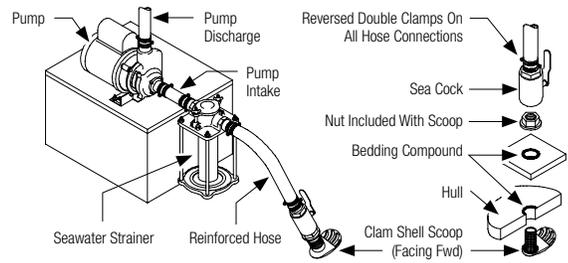
**United States & Canada Service Only:**

8:00 AM to 5:00 PM Eastern Time | Marine Air AC Products: 954-973-2477  
 Cruisair AC Products: 804-746-1313

**24/7 AC SERVICE HOTLINE: 5:00PM to 8:00 AM: 888-440-4494**

**International Sales & Service:**

Europe & the Middle East: Call +44(0)870-330-6101  
 For all other areas visit our website to find your nearest distributor.



Dealer:

