

# DX Seawater Pumps

## Reliable & Heavy-duty Centrifugal Pumps



P3600B3X and  
PML500CL shown

### **Cruisair specifies reliable, heavy-duty centrifugal pumps to provide a steady flow of cooling water through the air conditioning system.**

The glass reinforced polypropylene head pumps have magnetic drive impellers, and are available with submersible or air cooled motors. Larger pumps have bronze heads with mechanical seals, and air cooled, drip-proof motors. A wide range of pumps and motors are available for use in different power environments.

Centrifugal pumps must be mounted below the water line. Self-priming pumps are also available for above water line applications. A scoop type through-hull and a seawater strainer are recommended for proper operation.

When more than one air conditioning unit is served by a single pump, a separate pump relay is used. To complete the installation, Cruisair can also supply water manifolds, hose, and fittings.

### Key Benefits

- High capacity, centrifugal pumps.
- 250 -10,800 gph capacities.
- 115V and 230V, 60 Hz; 240V, 50 Hz; and 220/440V, 3 ph. models.
- Seawater grade construction, with glass filled polypropylene or bronze pump heads.
- Submersible or air cooled motors.
- High head pressure models available.
- Self-priming pumps available.

# Technical Specifications for DX Seawater Pumps

Model	GPH @ Feet of Head	Volts	Freq. (Hz)	Phase	Running Amps	Inlet Connection	Outlet Connection	Height (in/mm)	Width (in/mm)	Length (in/mm)	Weight (lb/kg)
PML250	250@3'	115	50/60	1	1.0	3/4" MPT	1/4" MPT	5/125	5/125	6/150	7/3.2
PML500	490@3'	115	50/60	1	2.5	3/4" FPT	1/2" MPT	5.3/125	5/125	7.3/185	10/4.5
PML500CL	490@3'	230	60	1	1.0	3/4" FPT	1/2" MPT	5.3/125	5/125	7.3/185	10/4.5
PML500CK	400@3'	240	50	1	1.0	3/4" FPT	1/2" MPT	5.3/125	5/125	7.3/185	10/4.5
PMA500	500@7'	115	50/60	1	2.1	3/4" FPT	1/2" MPT	5/125	4/100	9.5/240	8/3.6
PMA500C	500@7'	230	50/60	1	1.0	3/4" FPT	1/2" MPT	5/125	4/100	9.5/240	8/3.6
PMA1000	985@3'	115	50/60	1	2.2	1" FPT**	1/2" MPT	6.1/155	4.5/115	9/230	10/4.5
PMA1000C	985@3'	230	50/60	1	1.2	1" FPT**	1/2" MPT	6.1/155	4.5/115	9/230	10/4.5
PMA1000CK	800@3'	240	50	1	1.2	1" FPT**	1/2" MPT	6.1/155	4.5/115	9/230	10/4.5
P1200BXT-SP	1200@5'	115/230	50/60	1	10.4/5.2	1" FPT	11" FPT	6.3/160	6.5/165	14.1/360	35/15.8
P1500BXT	1320@5'	115/230	50/60	1	10.4/5.2	3/4" FPT	3/4" MPT	6.3/160	6.5/165	14.1/360	28/12.7
P1500B3X	1320@5'	220/440	50/60	3	3.4/1.7	3/4" FPT	3/4" MPT	6.6/170	6.5/165	11.6/295	33/15
P3000BXT	3000@7'	115/230	50/60	1	10.4/5.2	1-1/4" FPT	1" FPT	6.3/160	6.5/165	14.1/360	32/14.5
P3000B3X	3000@7'	220/440	50/60	3	3.4/1.7	1-1/4" FPT	1" FPT	6.6/170	6.5/165	11.6/295	37/16.8
P3000BXT	3000@20'	115/230	50/60	1	10.4/5.2	1-1/4" FPT	1" FPT	6.3/160	6.5/165	14.1/360	37/16.8
P3000BX-SP	3000@30'	115/230	50/60	1	13.8/6.9	1-1/2" FPT	1-1/2" FPT	9.8/250	8.5/215	18.7/475	48/21.8
P3600BX	3600@20'	115/230	50/60	1	11.2/5.6	1-1/2" FPT	1-1/2" FPT	9.4/240	6.5/165	14.5/370	41/18.6
P3600B3X	3600@20'	230/460	50/60	3	2.8/1.4	1-1/2" FPT	1-1/2" FPT	9.4/240	6.5/165	14.5/370	41/18.6
PH4000BX	4000@30'	115/230	50/60	1	14.2/7.1	1-1/2" FPT	1-1/2" FPT	9.4/240	6.5/165	15.8/400	43/19.5
PH4000B3X	4000@30'	230/460	50/60	3	3.8/1.9	1-1/2" FPT	1-1/2" FPT	9.4/240	6.5/165	15.8/400	43/19.5
P7800BX	7800@20'	115/230	50/60	1	15.0/7.5	2-1/2" FPT	2-1/2" FPT	10/255	8.5/215	17.6/450	90/41
P7800B3X	7800@20'	230/460	50/60	3	3.4/1.7	2-1/2" FPT	2-1/2" FPT	10/255	8.5/215	17.6/450	90/41

\* 3/4" FPT adapter included  
 \*\* 1" TO 3/4" bushing included

**Notes:**

- When operating a 50/60 Hz pump at 50 Hz, the flow rate will decrease approximately 17%, while the head capability will drop as much as 30%.
- Hose fittings are not included with pumps and must be ordered separately.

**Interpreting Model Numbers**

P	1200	B	X	SP
PML: Magnetic drive, submersible PMA: Magnetic drive, air-cooled motor PDS: Direct drive, submersible P: Pump, mechanical seal, air-cooled motor PH: Mechanical seal, high head only	Capacity in gallons per hour	B: Bronze head No Letter: Polypropylene	No Letter: 100/115V, 50/60 Hz C: 200/230V, 50/60 Hz CL: 230V, 60Hz only CK: 220V, 50Hz X: 115/230V, 50/60 Hz 3X: 230/460V, 3-phase, 50/60 Hz	Capacity X 1,000 BTU/hr

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