

Heavy-Duty Seawater Pumps

Centrifugal Pumps for Submersible Or Self-Priming Applications



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 to 10,8000 gph capacities.
- 115V and 230V/60Hz, 240V/50Hz, and 220/440V 3-phase models.
- Seawater-grade construction with glass-filled polypropylene or bronze pump heads.
- Water-cooled (submersible) or air-cooled motors.
- High-head pressure models available.
- Self-priming pumps available.
- Meet or exceed applicable ABYC and US Coast Guard regulations, CE directives, and general Air Conditioning and Refrigeration (ARI) standards.

Specifications for Heavy-Duty Seawater Pumps

Model ⁽¹⁾	Voltage (V)	Cycle ⁽²⁾	Phase (Ph)	Amps (A)	GPM/Feet of Head (gpm) ⁽³⁾	Inlet Connection (in)	Outlet Connection (in)	Height (in/mm)	Width (in/mm)	Depth (in/mm)
PML250	115	60 Hz	1	1	3/7	3/4	1/4	4.7/120	5.6/143	6.2/158
PML250C	230	50 Hz/60 Hz	1	180	3/7	3/4	1/4	4.7/120	5.6/143	6.2/158
P900-12VDC	12	N/A	N/A	180	3/6.5	1/2	1/2	4.5/115	3.5/89	9/229
P900-24VDC	24	N/A	N/A	180	3/6.5	1/2	1/2	4.5/115	3.5/89	9/229
PML500	115	60 Hz	1	2.5	6/14	3/4	1/2	5.6/143	5.6/143	7.4/188
PML500C	230	50 Hz/60 Hz	1	1	6/14	3/4	1/2	5.6/143	5.6/143	7.4/188
PML500CK	230	50 Hz	1	1	6/9.5	3/4	1/2	5.6/143	5.6/143	7.4/188
PMA500	115	60 Hz	1	2.1	7.5/14	3/4	3/4	5/127	4/102	9/229
PMA500C	230	50 Hz/60 Hz	1	1	7.5/14	3/4	3/4	5/127	4/102	9/229
PMA500CK	230	50 Hz	1	180	5/11	3/4	3/4	5/127	4/102	9/229
PMA1000	115	60 Hz	1	2.2	12/14	3/4	3/4	6.25/159	4.5/115	9.1/232
PMA1000C	230	50 Hz/60 Hz	1	1.2	12/14	3/4	3/4	6.25/159	4.5/115	9.1/232
P1200BXT	115	50 Hz/60 Hz	1	10.4	20/5	1	1	6.6/168	6.5/166	13.6/346
P1200BXT-FSP	115	50 Hz/60 Hz	1	10.4	20/5	1	1	6.6/168	6.5/166	13.6/346
P1500BXT	115	50 Hz/60 Hz	1	10.4	22/5	3/4	3/4	6.6/168	6.5/166	13.6/346
P1500BXT-SP	115	50 Hz/60 Hz	1	10.4	22/5	3/4	3/4	6.6/168	6.5/166	13.6/346
P51500B3X	230	50 Hz/60 Hz	3	3.4	25/15	1 1/4	1	8.1/206	6.5/166	15.4/392
P51500B3X-SP	230	50 Hz/60 Hz	3	3.4	25/15	1 1/4	1	8.1/206	6.5/166	15.4/392
P51500B3X	115	50 Hz/60 Hz	1	7	25/7	1 1/4	1	8.1/206	6.5/166	13/331
P52200B3X	115	50 Hz/60 Hz	1	7.2	30/15	1 1/4	1	8.1/206	6.5/166	13/331
PH3000B3X-SP	230	50 Hz/60 Hz	3	3.4	50/20	1 1/2	1 1/2	9.8/249	8.5/216	18.7/475
P3000BXT	115	50 Hz/60 Hz	1	10.6	50/7	1 1/4	1	6.6/168	6.5/166	14.2/361
PH3000B3X-SP	115	50 Hz/60 Hz	1	13.8	50/30	1 1/2	1	9.8/249	8.5/216	18.7/475
PH3000B3X-SP	115	50 Hz/60 Hz	1	13.8	50/30	1 1/2	1	9.8/249	8.5/216	18.7/475
PH3000B3X	115	50 Hz/60 Hz	1	3.4	50/20	1 1/4	1	6.6/168	6.5/166	14.2/361
P53000B3X	230	50 Hz/60 Hz	1	180	50/20	1 1/4	1	9/229	9.75/248	14.5/369
P3600B3X	230	50 Hz/60 Hz	3	2.6	50/20	1 1/4	1	18.1/206	6.5/166	15.4/392
P3600B3X	115	50 Hz/60 Hz	1	11.2	70/20	1 1/2	1 1/2	9.4/239	6.5/166	14.5/369
P3600B3X	230	50 Hz/60 Hz	3	2.8	70/20	1 1/2	1 1/2	9.4/239	6.5/166	14.5/369
PH4000B3X	230	50 Hz/60 Hz	3	3.8	70/30	1 1/2	1 1/2	9.4/239	6.5/166	15.8/402
PH4000B3X	115	50 Hz/60 Hz	1	14.2	70/30	1 1/2	1 1/2	9.4/239	6.5/166	15.8/402
PH4000B3X-SP	230	50 Hz/60 Hz	1	6.4	70/28	1 1/2	1 1/2	11.5/293	8.5/216	21.5/547
PH5400B3X	230	50 Hz/60 Hz	3	5	90/45	2	2	9.75/248	8.5/216	16/407
P7000B3X	230	50 Hz/60 Hz	3	3.4	130/18	2 1/2	2 1/2	10/254	8.5/216	17.6/448
P7000B3X	115	50 Hz/60 Hz	1	15	130/18	2 1/2	2 1/2	10/254	8.5/216	17.6/448
P10500B3X	380	50 Hz	3	5.4	175/20	2 1/2	2 1/2	10/254	8.5/216	18/458
P10500B3X	115	50 Hz/60 Hz	1	14.2	180/20	2 1/2	2 1/2	10/254	8.5/216	18/458
P10800B3X	230	50 Hz/60 Hz	1	5.2	180/20	2 1/2	2 1/2	10/254	8.5/216	18/458

¹ For information about pumps larger than P711, please call the applications department at 954-973-2477.
² 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; 60Hz only pumps may not be operated at 50Hz.
³ 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. For more information, please refer to the Marine Air Systems pump sizing guide or call the app.

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Specifications and availability subject to change without notice.

Dealer

