

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 10,800 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

Cruisair[®]

by Dometic GROUP

Specifications for Heavy-Duty Seawater Pumps

Model ⁽¹⁾	Voltage (V)	Cycle ⁽²⁾	Phase (Ph)	Amps (A)	Water Flow (gpm/lpm)	Feet of Head (ft/m)	Inlet Connection (in)	Outlet Connection (in)	Height (in/mm)	Width (in/mm)	Depth (in/mm)
PML250	115	60 Hz	1	1	3/11.4	7/2.2	3/4	1/4	4.7/120	5.6/143	6.2/158
PML250C	230	50 Hz/60 Hz	1	0.5	3/11.4	7/2.2	3/4	1/4	4.7/120	5.6/143	6.2/158
PML500	115	60 Hz	1	2.5	6/22.8	14/4.3	3/4	1/2	5.6/143	5.6/143	7.4/188
PML500C	230	50 Hz/60 Hz	1	1	6/22.8	14/4.3	3/4	1/2	5.6/143	5.6/143	7.4/188
PML500CK	230	50 Hz	1	1	6/22.8	9.5/2.9	3/4	1/2	5.6/143	5.6/143	7.4/188
PMA500	115	60 Hz	1	2.1	7.5/28.4	14/4.3	3/4	1/2	5/127	4/102	9/229
PMA500C	230	50 Hz/60 Hz	1	1	7.5/28.4	14/4.3	3/4	1/2	5/127	4/102	9/229
PMA500CK	230	50 Hz	1	0.9	5/18.1	11/3.4	3/4	3/4	5/127	4/102	9/229
PMA1000	115	60 Hz	1	2.2	12/45.5	14/4.3	3/4	3/4	6.25/159	4.5/115	9.1/232
PMA1000C	230	50 Hz/60 Hz	1	1.2	12/45.5	14/4.3	3/4	3/4	6.25/159	4.5/115	9.1/232
P1200BXT	115	50 Hz/60 Hz	1	10.4	20/75.8	5/1.6	1	1	6.6/168	6.5/166	13.6/346
P1200BXT-SP	115	50 Hz/60 Hz	1	10.4	20/75.8	5/1.6	1	1	6.6/168	6.5/166	13.6/346
P1500BXT	115	50 Hz/60 Hz	1	10.4	22/83.3	5/1.6	3/4	3/4	6.6/168	6.5/166	13.6/346
P15100BXT	115	50 Hz/60 Hz	1	7	25/94.7	7/2.2	1/4	1	8.1/206	6.5/166	13/331
P15100BXT-SP	115	50 Hz/60 Hz	3	3.4	25/94.7	15/4.6	1/4	1	8.1/206	6.5/166	13/331
P1800BXT	115	50 Hz/60 Hz	1	7	30/113.6	15/4.6	1/4	1	8.1/206	6.5/166	13/331
P1800BXT-SP	115	50 Hz/60 Hz	1	7.2	37/140.1	15/4.6	1/4	1	8.1/206	6.5/166	13/331
P3000BXT	115	50 Hz/60 Hz	1	10.6	50/189.3	7/2.2	1/4	1	6.6/168	6.5/166	14.2/361
P3000BXT-SP	115	50 Hz/60 Hz	1	13.8	50/189.3	30/9.2	1/4	1	9.8/249	8.5/216	18.7/475
P5300BXT	230	50 Hz/60 Hz	1	3.4	50/189.3	20/6.1	1/4	1	6.6/168	6.5/166	14.2/361
P5300BXT-SP	230	50 Hz/60 Hz	3	2.6	50/189.3	20/6.1	1/4	1	8.1/206	6.5/166	15.4/392
PH3000BXT	115	50 Hz/60 Hz	1	13.8	50/189.3	30/9.2	1/4	1	9.8/249	8.5/216	18.7/475
PH3000BXT-SP	115	50 Hz/60 Hz	1	6	50/189.3	20/6.1	1/4	1	9/229	9.75/248	14.5/369
PH3000BXT-SP	230	50 Hz/60 Hz	3	3.4	50/189.3	20/6.1	1/4	1/2	9.8/249	8.5/216	18.7/475
PH3600BXT	115	50 Hz/60 Hz	1	11.2	70/264.1	20/6.1	1/2	1/2	9.4/239	6.5/166	14.5/369
PH3600BXT-SP	230	50 Hz/60 Hz	3	2.8	70/264.1	20/6.1	1/2	1/2	9.4/239	6.5/166	14.5/369
PH4000BXT	115	50 Hz/60 Hz	1	14.2	70/264.1	30/9.2	1/2	1/2	9.4/239	6.5/166	14.5/369
PH4000BXT-SP	230	50 Hz/60 Hz	3	3.8	70/264.1	30/9.2	1/2	1/2	9.4/239	6.5/166	14.5/369
PH4000BXT-SP	230	50 Hz/60 Hz	1	6.4	70/264.1	28/8.6	1/2	1/2	11.5/293	8.5/216	21.5/547
PH5400BXT	230	50 Hz/60 Hz	3	5	90/340.7	45/13.8	2	2	9.75/248	8.5/216	16/407
PH7000BXT	115	50 Hz/60 Hz	1	15	130/492.2	18/5.5	2 1/2	2 1/2	10/254	8.5/216	17.6/448
PH7000BXT-SP	230	50 Hz/60 Hz	3	3.4	130/492.2	18/5.5	2 1/2	2 1/2	10/254	8.5/216	17.6/448
PT0500BXT	380	50 Hz	3	5.4	175/662.5	20/6.1	2 1/2	2 1/2	10/254	8.5/216	18/458
PT0800BXT	115	50 Hz/60 Hz	1	14.2	180/681.4	20/6.1	2 1/2	2 1/2	10/254	8.5/216	18/458
PT1080BXT	230	50 Hz/60 Hz	1	5.2	180/681.4	20/6.1	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 45Hz 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.

Dealer

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Specifications and availability subject to change without notice.

