

ATL Air Handlers for Chillers

Designed With Height Constraints In Mind



ATL12DC shown

The ATL series is an improved low-profile, chilled-water, draw-through air handler. Insulating foam covers the condensate pan, blower housing, shroud, and coil end cover to reduce noise and secondary condensation. The condensate pan also has an anti-slosh, anti-fungal foam lining. The ATL series is designed to replace the CHEBC models.

ATL air handlers are an excellent choice for over-head applications where height is limited. Typically, each cabin or area has one or more air handlers with an independent climate control to provide passengers with the most comfortable environment on the water.

All Dometic air handlers use corrosion-resistant materials, and are fully insulated with deep drain pans to prevent secondary condensation.

Key Benefits

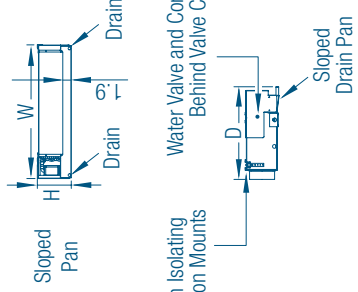
- Suspend from above or support from beneath, vibration isolation included.
- Bypass valve has removable power head for simple servicing.
- Valve body is soldered to unit to prevent leaks.
- The electrical box can be mounted remotely up to six feet away.
- Remote air bleeder on six feet (1.8m) of flexible tubing with easy-operating ball valve.
- Optional whisper-quiet DC blowers.
- Valve on left (standard) or on right (optional).
- Flow control helps balance chilled water distribution throughout the boat by ensuring that no air handler so equipped receives more flow than required. This eliminates the tedious job of trying to manually balance system flow.

Technical Specifications for ATL Air Handlers

| Model | ATL6DC | ATL9DC | ATL12DC | ATL18DC | ATL24DC | ATL30DC | ATL36DC | ATL16F |
|--|---------------------|---------------------|---------------------|---------------------|------------------------|---------------------|---------------------|-------------------|
| Capacity (BTU/hr) | 6000 | 9000 | 12000 | 18000 | 24000 | 30000 | 36000 | 16000 |
| Volts/Hz/Phase | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 208-230/ 50-60/1 | 115/60/1 |
| Amps (FLA) Cool ⁽¹⁾ | 1.4 | 1.4 | 2.8 | 2.8 | 3.9 | 3.9 | 3.9 | 2.4 |
| Optional Heater kW ⁽²⁾ | 1 | 1 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | N/A |
| Heater Amps | 4.3 | 4.3 | 8.7 | 8.7 | 6.5 | 6.5 | 6.5 | N/A |
| Amps (FLA) Heat ⁽¹⁾ | 5.7 | 5.7 | 11.5 | 11.5 | 10.4 | 10.4 | 10.4 | N/A |
| Max. Fuse | | | | | | | | |
| Without Elec. Heat | 5 | 5 | 5 | 5 | 5 | 15 | 15 | 5 |
| With Elec. Heat | 10 | 10 | 15 | 15 | 15 | 15 | 15 | N/A |
| Min. Circuit Amps | | | | | | | | |
| Without Elec. Heat | 2 | 2 | 4 | 4 | 5 | 10 | 10 | 3 |
| With Elec. Heat | 7 | 7 | 13 | 13 | 12 | 12 | 12 | N/A |
| Water Flow, GPM/(liters/min) | 1.5/5.7 | 2.25/8.5 | 3/11 | 4.5/17 | 6/23 | 7.5/28 | 9/34 | 4/15 |
| Air Flow, CFM/(m3/hr) | 200/340 | 300/510 | 400/680 | 600/1020 | 800/1360 | 1000/1700 | 1200/2040 | 420/710 |
| External Static Pressure (in H2O/Pa) | 1.9/470 | 0.65/160 | 1.9/470 | 0.65/160 | 1.5/370 | 1.65/410 | 0.65/160 | 0.3/75 |
| Dimensions⁽³⁾ | | | | | | | | |
| Height (in/mm) | 8.3/211 | 8.3/211 | 8.3/211 | 8.3/211 | 10.8/274 | 10.8/274 | 10.8/274 | 8.10/205 |
| Depth (in/mm) ⁽⁴⁾ | 22.7/577 | 22.7/577 | 22.7/577 | 22.7/577 | 19.7/500 | 21.6/549 | 21.6/549 | 17.60/447 |
| Width (in/mm) | 19.4/493 | 19.4/493 | 31.4/798 | 31.4/798 | 43.1/1095 | 62.2/1580 | 62.2/1580 | 23.40/595 |
| Duct Connections (in/mm) | 6/153, 1 ring | 6/153, 1 ring | 6/153, 2 rings | 6/153, 2 rings | 8/204, 1 ring | 8/204, 1 ring | 8/204, 1 ring | 4/102, 2 obrounds |
| Min Supply Air Outlet Per Duct (in ² /cm ²) | 35/226 1 duct | 49/316 1 duct | 35/226 2 ducts | 49/316 2 ducts | 147/949 1 duct | 168/1084 1 duct | 168/1084 1 duct | 40/260 2 ducts |
| Total Return Air Inlet (in ² /cm ²) | 70/452 | 98/632 | 130/840 | 200/1290 | 240/1550 | 300/1935 | 360/930 | 144/930 |
| Drain Connections | | | | | Two 1/2" od tube stubs | | | |
| Chilled Water Connections, Female NPT (in) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| Pan Style | Sloped | Sloped | Sloped | Sloped | Sloped | Sloped | Sloped | Sloped |
| Weight (lbs/kg) | 31/14.1 | 31/14.0 | 51/23.1 | 51/23.1 | 62/28.1 | 76/34.5 | 76/34.5 | 34/15.4 |

Notes:

- ⁽¹⁾ Blower amps will be reduced at lower speed/cfm static pressure.
- ⁽²⁾ The ATL12DC - ATL18DC models are rated at 2.0 kW because the heat is on the blower discharge, and these models have dual blowers. The larger ATL24DC - ATL36DC models require only 1.5 kW because they have a single blower.
- ⁽³⁾ Dimensions are ± 0.3" or 8mm.
- ⁽⁴⁾ Units with electric heat have a heater box on the discharge of each blower. Electric heat adds 5.80"/147mm to the depth. The heater box is only 9.50"/241mm wide (not including electrical gland), and does not add to the height or width of the unit.



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Dealer: