

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 CHBBC 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

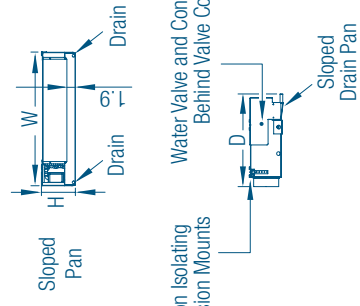
- Suspend from above or support from beneath, vibration isolation included.
- Bypass valve has removable power head for simple servicing.
- Valve body is soldered to unit to prevent leaks.
- The electrical box can be mounted remotely up to six feet away.
- Remote air bleeder on six feet (1.8m) of flexible 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	208-230/ 50-60/1
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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