ATL Air Handlers for Chillers

Designed With Height Constraints In Mind

ATL24DC 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.

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 Marine 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.
- Heater elements accessible from underneath.
- 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.
- Washable air filter included. Micro-Particle Anti-Allergenic air filters available.

Optional Features

- DC blowers – strong and quiet at any speed.
- 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.

ISO 9001:2000

L–2548MC Rev. 20090327

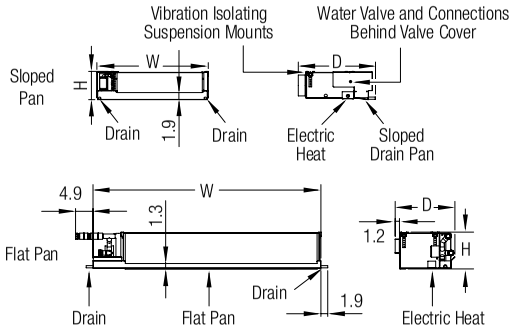
Dometic MARINE

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	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	208-230/ 50-60/1
Amps (FLA) Cool	1.4	1.4	2.8	2.8	3.9	7.8	7.8	2.4	0.9
Optional Heater kW	1	1	1.5	1.5	3	3	3	1.5	1.5
Heater Amps	4.3	4.3	6.5	6.5	13.0	13.0	13.0	13.0	6.5
Amps (FLA) Heat	5.7	5.7	9.3	9.3	16.9	20.8	20.8	15.4	7.4
Max. Fuse									
Without Elec. Heat	5	5	5	5	5	15	15	5	5
With Elec. Heat	10	10	10	10	20	30	30	20	10
Min. Circuit Amps									
Without Elec. Heat	2	2	4	4	5	10	10	3	2
With Elec. Heat	7	7	11	11	18	23	23	17	8
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	4/15
Air Flow, CFM/(m3/hr)	200/340	300/510	400/680	600/1020	800/1360	1000/1700	1200/2040	420/710	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	0.3/75
Height (in/mm)	8.1/205	8.1/205	8.1/205	8.1/205	10.4/264	10.4/264	10.4/264	8.1/205	8.1/205
Depth (in/mm)	21.7/551	21.7/551	21.7/551	21.7/551	22.7/577	22.7/577	22.7/577	17.6/447	17.6/447
Width (in/mm)	19.2/488	19.2/488	31.3/795	31.3/795	42.3/1070	64.2/1630	64.2/1630	23.4/595	23.4/595
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 2 rings	8/204 2 rings	4/102 2 obrounds	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	84/542 2 ducts	84/542 2 ducts	40/260 2 ducts	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	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	1	1/2	1/2
Pan Style	Sloped	Sloped	Sloped	Sloped	Flat	Flat	Flat	Sloped	Sloped

Notes: Dimensions are ± 0.3" or 8mm. Blower amps will be reduced at lower speed/cfm static pressure.

Dealer:



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Environmentally Responsible

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