

ATL-HV Series Low-Profile Air Handlers

Ideal for Height-Restrictive Installations; High-Velocity Blowers



The ATL-HV series of chilled water air handlers represents an improved design approach to low-profile, draw-through air handlers. These "open top" units allow easier maintenance access and reduced dimensions overall.

The top panel of ATL units can be removed for maintenance access to the blower(s). In this way, the unit can be serviced without disturbing the drain pan. The drain stems face aft (toward the blower side) to minimize footprint. Furthermore, the optional electric heaters are mounted on the blower discharge instead of inside the plenum, thereby eliminating the depth added to the plenum area for 6K-18K units.

The ATL-HV series features dual high-velocity (HV) blowers. Optional "WhisperCool" DC blowers are available. These blowers are ultra quiet yet strong enough to overcome high-static-pressure duct.

Capacities of the ATL-HV series are 6,000, 9,000, 12,000, 18,000, and 24,000 BTU/hr. A 16,000 BTU/hr unit is available (ATL16F) with dual tangential blowers. All ATL blowers are mounted horizontally for an exceptionally low profile, making these units ideal for height-restrictive installations. They can be suspended from above or supported from beneath and suspension hardware is included. Vibration-isolation mounts reduce noise and the transmission of vibrations to the installation platform.

The drain pan has an anti-slosh, anti-fungal foam lining and extends to under the valve motor and plumbing. The water connections are insulated against secondary condensation, and the valve can be mounted on the left (standard) or right (optional).

Key Benefits

- Suspend from above or support from beneath (hardware included)
- Vibration-isolation mounts reduce noise and vibration
- Bypass valve has removable power head for simple servicing
- Valve body is soldered to unit to prevent leaks
- Electrical box can be remotely mounted up to 6 ft. (1.8 m)
- Remote air bleeder on 6 ft. (1.8 m) of flexible tubing with ball valve
- Optional DC "WhisperCool" blowers are extremely quiet yet powerful enough to overcome high-static-pressure duct
- Valve on left (standard) or on right (optional)
- Automatic flow control helps balance chilled water distribution throughout the boat
- Optional Breathe Easy™ microparticle air filter

Specifications for ATL-HV Series Low-Profile Air Handlers

Model ⁽¹⁾	ATL6HV	ATL9HV	ATL12HV	ATL18HV	ATL24HV	ATL16F
Nominal Capacity (BTU/h)	6000	9000	12000	18000	24000	16000
Voltage @ 50/60Hz 1-Ph (V)	230	230	115 230	230	115 230	115 230
Full Load Amps (FLA) Cool (A)	0.9	0.6	3.12 1.8	1.8	2.3 1.15	2.4 0.62
Full Load Amps (FLA) Blower (A)	0.7	0.5	3.2 1.4	1	3.4 1.3	2.4 0.9
Optional Electric Heat (kW) ⁽²⁾	1	1	2	2	1.5	N/A
Heater Amps (A)	5	4.8	20.6 10.1	9.7	16.4 7.8	N/A
Max. Circuit Breaker (A)	5	5	5	5	5	5
Min. Circuit Ampacity (A)	2	1	4 3	3	3 2	3 1
Water Flow (gpm/lpm)	1.5/5.7	2.25/8.6	3/11.4	4.5/17.1	6/22.8	4/15.2
Air Flow (cfm/m ³ h) ⁽³⁾	200/340	233/396	350/595	467/793	730/1241	360/612
External Static Pressure	0.3 inH ₂ O/74.7 Pa	0.3 inH ₂ O/74.7 Pa	0.3 inH ₂ O/74.7 Pa	0.3 inH ₂ O/74.7 Pa	0.3 inH ₂ O/74.7 Pa	0.3/74.7
Height-Deck Mount (in/mm) ⁽⁴⁾	8/204	8/204	8.1/206	8.1/206	10/254	8.1/206
Height-Suspension Mount (in/mm) ⁽⁴⁾	8.1/206	8.1/206	8.1/206	8.1/206	10.1/257	8.1/206
Max. Width (in/mm)	19.6/498	19.6/498	31.6/803	31.6/803	42.9/1090	23.4/595
Depth-Without Heat (in/mm) ⁽⁴⁾	18/458	19.7/501	17.9/455	25.5/648	22/559	17.6/448
Depth-With Heat (in/mm) ⁽⁴⁾	23.7/602	25.4/646	23.6/600	19.8/503	27.7/704	N/A
Drain Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2
Drain Connection Type	tube stubs	tube stubs	tube stubs	tube stubs	tube stubs	tube stubs
Chilled Water Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2
Chilled Water Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Quantity-Duct Connections	1	1	2	2	1	2 2
Min. Supply Duct Size (in/mm) ⁽⁵⁾	4/102	6/153	6/153	7/178	9/229	4/102
Min. Supply Air Grille Size (sq in/sq cm)	35/226	49/317	35/226	49/317	147/949	40/259
Min. Return Air Grille Size (sq in/sq cm)	70/452	98/633	130/839	200/1291	240/1549	144/930
Pan Style	sloped	sloped	sloped	sloped	sloped	sloped

¹ Add '-FC' at end of model name for optional flow control; the default valve position is to the left of the coil (as one faces it), so add 'R' to the model for the valve on the right side; add '*kW' for amount of optional electric heat in kilowatts.

² 1.5kW is recommended for the ATL24 because it has one blower. 2kW is the maximum.

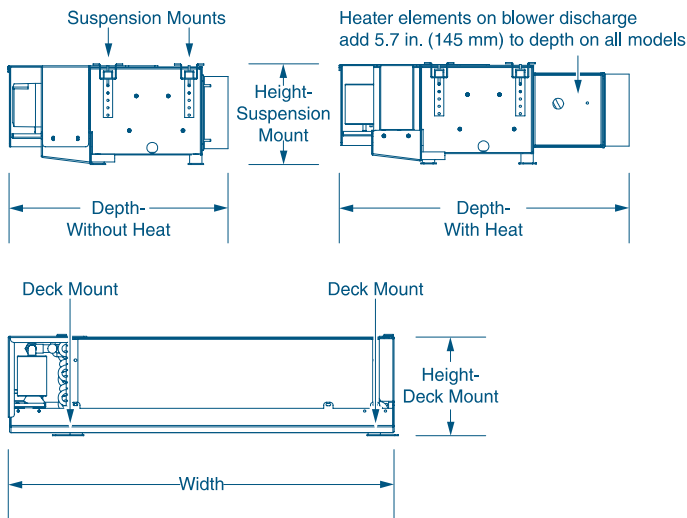
³ Air flow data is for units without electric heat. Electric heat reduces air flow by an amount to be determined.

⁴ All dimensions ± 0.30 in. (8 mm).

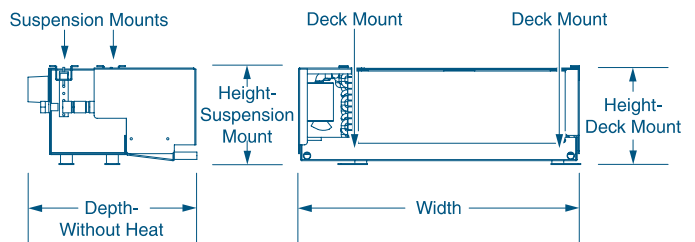
⁵ ATL12, ATL18, and ATL36 models have dual blowers and therefore two supply duct rings.

Dimensions

ATL-HV Dimensions



ATL16F Dimensions



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