

ATL-DC Series Low-Profile Air Handlers

Whisper Quiet Units Ideal for Height-Restrictive Spaces



The ATL-DC 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-DC series features "WhisperCool" DC blowers that are ultra quiet yet strong enough to overcome high-static-pressure duct.

Capacities of the ATL-DC series range from 6,000 to 36,000 BTU/hr. The 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

- DC "WhisperCool" blowers are extremely quiet yet powerful enough to overcome high-static-pressure duct
- Improved design for easier servicing, smaller dimensions overall
- Top panel is removable for easier service access
- Dual blowers are mounted horizontally for exceptionally low profile
- Suspend from above or support from beneath (hardware included)
- Enclosed design
- Internal components are insulated against secondary condensation
- 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
- Valve on left (standard) or on right (optional)
- Optional flow control automatically balances circulated water throughout the system
- Optional Electric Heat
- Optional Breathe Easy™ microparticle air filter

Specifications for ATL-DC Series Low-Profile Air Handlers

Model ⁽¹⁾	ATL6DC	ATL9DC	ATL12DC	ATL18DC	ATL24DC	ATL36DC
Nominal Capacity (BTU/h)	6000	9000	12000	18000	24000	36000
Voltage @ 50/60Hz 1-Ph (V)	230	230	230	230	230	230
Full Load Amps (FLA) Cool (A)	1.4	1.4	2.8	2.8	3.9	7.8
Full Load Amps (FLA) Blower (A)	1.4	1.4	2.8	2.8	1.5	3
Optional Electric Heat (kW) ⁽²⁾	1	1	2	2	1.5	3
Heater Amps (A)	5.7	5.7	11.5	11.5	8	16
Max. Circuit Breaker (A)	5	5	5	5	5	30
Min. Circuit Ampacity (A)	2	2	4	4	5	23
Water Flow (gpm/lpm)	1.5/5.7	2.25/8.6	3/11.4	4.5/17.1	6/22.8	9/34.1
Air Flow (cfm/m ³ h) ⁽³⁾	200/340	233/396	350/595	467/793	670/1139	1000/1700
External Static Pressure	1.75 inH ₂ O/435.8 Pa	0.6/149.4	1.75/435.8	0.6 inH ₂ O/149.4 Pa	0.3 inH ₂ O/74.7 Pa	0.3 inH ₂ O/74.7 Pa
Height-Deck Mount (in/mm) ⁽⁴⁾	8/204	8/204	8/204	8/204	10/254	10/254
Height-Suspension Mount (in/mm) ⁽⁴⁾	8.2/209	8.2/209	8.2/209	8.2/209	10.1/257	10.1/257
Max. Width (in/mm) ⁽⁴⁾	19.6/498	19.6/498	31.5/801	31.5/801	43.8/1113	61.8/1570
Depth-Without Heat (in/mm) ⁽⁴⁾	19.7/501	19.7/501	17.9/455	17.9/455	20.5/521	20.5/521
Depth-With Heat (in/mm) ⁽⁴⁾	25.4/646	25.4/646	23.6/600	23.6/600	26.2/666	26.2/666
Drain Connection Size (in)	½	½	½	½	½	½
Drain Connection Type	tube stubs	FPT	tube stubs	tube stubs	tube stubs	tube stubs
Chilled Water Connection Size (in)	½	½	½	½	½	½
Chilled Water Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Quantity-Duct Connections	1	1	2	2	1	2
Min. Supply Duct Size (in/mm) ⁽⁵⁾	4/102	6/153	6/153	7/178	9/229	10/254
Min. Supply Air Grille Size (sq in/sq cm)	35/226	49/317	35/226	49/317	147/949	168/1084
Min. Return Air Grille Size (sq in/sq cm)	70/452	98/633	130/839	200/1291	240/1549	360/2323
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.

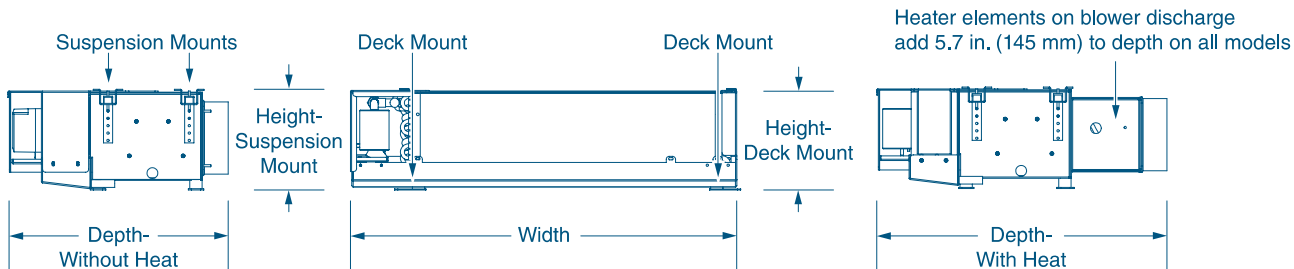
² 1.5kW is recommended for the ATL24 because it has one blower. 2kW is the maximum.

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



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