

ABL-DC Series Air Handlers

Whisper Quiet Units Ideal for Height-Restrictive Spaces



The ABL-DC series of marine draw-through air handlers for chilled water systems is ideal for installation in height-restrictive spaces. 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 ABL-DC series is designed to replace the CBLB models.

ABL air handlers are an excellent choice for overhead applications where height is limited. The dual DC "WhisperCool" blowers are ultra quiet yet overcome high-static-pressure duct. The blowers are mounted at a 90 degree angle to the evaporator coil for dramatically reduced depth. The optional cushioned mounts, which minimize vibration and noise, allow the unit to be suspended from above or supported from beneath.

ABL-DC air handlers are constructed with corrosion-resistant materials. They feature "positive-flow" drain pans with anti-slosh foam lining and are fully insulated against secondary condensation. Electric heat is optional.

Key Benefits

- DC "WhisperCool" blowers are extremely quiet yet powerful enough to overcome high-static-pressure duct.
- Dual blowers are mounted at 90-degree angle to the coil for minimum depth.
- Suspend from above or support from beneath (suspension hardware sold separately).
- Optional cushioned mounts reduce noise and vibration.
- Bypass valve has removable power head for simple servicing.
- Valve body is soldered to unit to prevent leaks.
- Exposed components are insulated against secondary condensation.
- 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.

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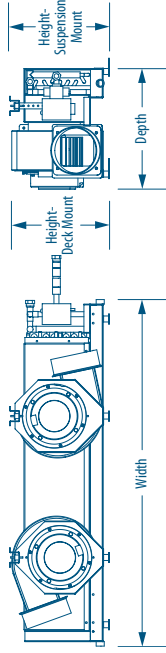
Specifications for ABL-DC Series Air Handlers

| Model ⁽¹⁾ | ABL18DC | ABL24DC |
|--|------------|------------|
| Nominal Capacity (BTU/h) | 18000 | 24000 |
| Voltage @ 50/60Hz L-Ph (V) | 230 | 230 |
| Full Load Amps (FLA) Cool (A) | 6.4 | 6.4 |
| Full Load Amps (FLA) Blower (A) | 6.4 | 6.4 |
| Optional Electric Heat (kW) | 3 | 3 |
| Heater Amps (A) | 13 | 13 |
| Max. Circuit Breaker (A) | 10 | 10 |
| Min. Circuit Ampacity (A) | 8 | 8 |
| Water Flow (gpm/lpm) | 4.5/17.1 | 6/22.8 |
| Air Flow (cfm/m ³ h) | 600/1019.5 | 800/1359.3 |
| External Static Pressure (inH ₂ O/Pa) | 2.7/62.4 | 2.5/62.5 |
| Height-Deck Mount (in/mm) ⁽²⁾ | 11.9/303 | 11.9/303 |
| Height-Suspension Mount (in/mm) ⁽²⁾ | 12.2/310 | 12.2/310 |
| Max. Width (in/mm) ⁽²⁾ | 37.3/948 | 43.3/1100 |
| Max. Depth (in/mm) ⁽²⁾ | 15.8/402 | 15.8/402 |
| Drain Connection Size (in) | 1/2 | 1/2 |
| Drain Connection Type | PPT | PPT |
| Chilled Water Connection Size (in) | 1/2 | 1/2 |
| Chilled Water Connection Type | PPT | PPT |
| Min. Supply Air Gills Size (sq in/sq cm) | 50/323 | 70/452 |
| Min. Return Air Gills Size (sq in/sq cm) | 200/1291 | 240/1549 |

¹ 'Z' indicates 230V. Add '-FC' for optional flow control; add '-L' for valve on the left relative to the blower side of the coil (right side is the default); add '#kW' for amount of optional electric heat in kilowatts.

² All dimensions ± 0.30 in. (8 mm).

Dimensions



Dealer

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L-2561 Rev. 20120824

Specifications and availability subject to change without notice.

