

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

Optional Breathe Easy™ microparticle air filter



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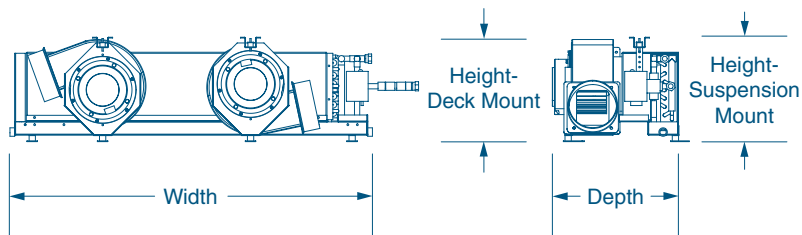
Specifications for ABL-DC Series Air Handlers

Model ⁽¹⁾	ABL18DC	ABL24DC
Nominal Capacity (BTU/h)	18000	24000
Voltage @ 50/60Hz 1-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)	600/1020	800/1360
External Static Pressure (inH ₂ O/Pa)	2.7/672.4	2.5/622.5
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	FPT	FPT
Chilled Water Connection Size (in)	1/2	1/2
Chilled Water Connection Type	FPT	FPT
Quantity-Duct Connections	2	2
Min. Supply Duct Size (in/mm)	7/178	9/229
Min. Supply Air Grille Size (sq in/sq cm)	50/323	70/452
Min. Return Air Grille 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



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Dealer

