

ABL-HV Series Chilled Water Air Handlers

Ideal for Height-Restrictive Installations; High-Velocity Blowers



The ABL-HV series of 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-HV series is designed to replace the CBLB models.

ABL-HV air handlers are an excellent choice for overhead applications where height is limited. The dual high-velocity (HV) 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-HV 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

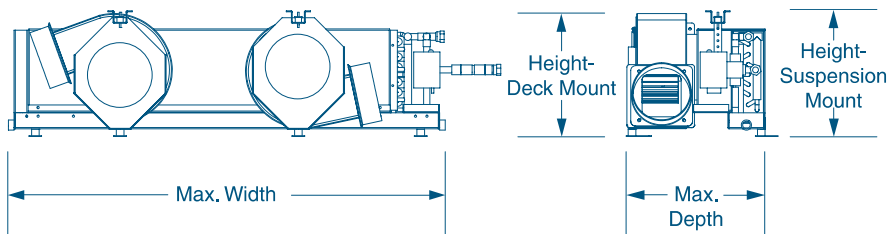
- Dual blowers are mounted at 90-degree angle to the coil for minimum depth
- Suspend from above or support from beneath (suspension hardware sold separately)
- Optional cushioned mounts reduce noise and vibration
- Bypass valve has removable power head for simple servicing
- Valve body is soldered to 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

Specifications for ABL-HV Series Chilled Water Air Handlers

Model	ABL18HV	ABL24HV
Nominal Capacity (BTU/h)	18000	24000
Voltage @ 50/60Hz 1-Ph (V)	230	230
Full Load Amps (FLA) Cool (A)	1.32	1.4
Optional Electric Heat (kW)	3	3
Max. Circuit Breaker (A)	5	5
Min. Circuit Ampacity (A)	2	2
Water Flow (gpm/lpm)	4.5/17.1	6/22.8
Height-Deck Mount (in/mm) ⁽¹⁾	11.9/303	11.9/303
Height-Suspension Mount (in/mm) ⁽¹⁾	12.2/310	12.2/310
Max. Width (in/mm) ⁽¹⁾	37.3/948	46/1169
Max. Depth (in/mm) ⁽¹⁾	TBD	15/381
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 All dimensions ± 0.30 in. (8 mm).

Dimensions



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