

AT-HV-MU Series Fresh Air Make-Up Air Handlers

Keep Air Inside the Vessel From Going Stale



The AT series of fresh-air make-up air handlers (AT-HV-MU) for chilled water systems duct in outside air, cool and dehumidify it, then re-heat it to room temperature and duct it to various interior spaces. Typically, crew cabins and other spaces two or more levels below deck will benefit from the use of these systems.

The specially-designed water coil cools and dehumidifies outside air in one pass. The coil, as well as the blower and all exposed sheet metal components, is coated to resist corrosion.

Key Benefits

- Compact design.
- Corrosion-resistant coating on evaporator coil, blower, and drain pan.
- Patented.
- Drain pan has anti-slosh, anti-fungal foam lining.
- High-velocity (HV) fully-insulated blowers are rotatable.
- Integrated three-way bypass valve with easy-change power head.
- Electric heat with two-stage electric heat overload.
- Heater assembly accessible from the top or side.
- Large coil shroud volume for optimal performance.
- Brass hose barb loop-water connections.
- 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.
- Built-in flow control balances chilled water distribution.

Cruisair[®]

by Dometic GROUP

Specifications for AT-HV-MU Series Fresh Air Make-Up Air Handlers

| Model | AT18HVZ-1.5KW-MU | AT24HVZ-2X1KW-MU | AT36HVZ-FC2X1.5KW-MU |
|--------------------------------------------------|------------------|------------------|----------------------|
| Nominal Capacity (BTU/h) | 18000 | 24000 | 36000 |
| Voltage @ 50/60Hz L-Ph (V) ⁽¹⁾ | 230 | 230 | 230 |
| Full Load Amps (FLA) Cool (A) | 0.9 | 0.7 | 1.6 |
| Full Load Amps (FLA) Heat (A) | 7.5 | 9.4 | 14.7 |
| Full Load Amps (FLA) Blower (A) ⁽²⁾ | 0.9 | 0.7 | 1.6 |
| Optional Electric Heat (kW) | 1.5 | 1 | 1.5 |
| Max. Circuit Breaker (A) | 10 | 10 | 20 |
| Min. Circuit Ampacity (A) | 8 | 10 | 16 |
| Water Flow (gpm/lpm) | 4.5/17.1 | 6/22.8 | 9/34.1 |
| Air Flow (cfm/m ³ h) | 174/296 | 276/469 | 550/935 |
| External Static Pressure (inH ₂ O/Pa) | 0.72/179.3 | 0.36/89.7 | 0.75/186.8 |
| Max. Height (in/mm) ⁽³⁾ | 15/381 | 16.6/422 | 19.5/496 |
| Max. Width (in/mm) ⁽³⁾ | 20.3/516 | 22.6/575 | 26.6/676 |
| Max. Depth (in/mm) ⁽³⁾ | 12.3/313 | 15.3/389 | 18/458 |
| Drain Connection Type | ½ | ½ | ½ |
| Chilled Water Connection Type | PPT | PPT | PPT |
| Chilled Water Connection Size (in) | ½ | ½ | 1 |
| Chilled Water Connection Type | PPT | PPT | PPT |
| Min. Supply Duct Size (in/mm) | 5/127 | 6/153 | 8/204 |
| Min. Return Air Gills Size (sq in/sq cm) | 100/646 | 140/904 | 220/1420 |
| Net Weight (lbs/kg) ⁽⁴⁾ | 37/16.8 | 44/19.1 | 66/29.1 |
| Gross Weight (lbs/kg) ⁽⁴⁾ | 41/18.6 | 58/26.4 | 72/32.7 |

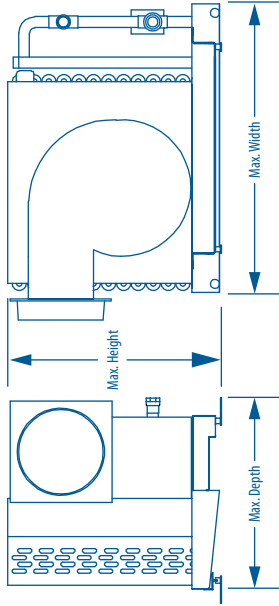
¹ Verify voltage! Units with SCR-based controls are designed for either 208VAC or 230VAC. Add "208" to the end of the model number for 208VAC units.

² Electrical and blower data is based on 50Hz performance.

³ All dimensions ± 0.30 in. (8 mm).

⁴ All weights ± 10%

Dimensions



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Specifications and availability subject to change without notice.

Dealer

