

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 Size (in)	PPT	PPT	PPT
Chilled Water Connection Type	½	½	1
Min. Supply Duct Size (in/mm)	PPT	PPT	PPT
Min. Return Air Gills Size (sq in/sq cm)	6/153	8/204	8/204
Net Weight (lbs/kg) ⁽⁴⁾	100/646	140/904	220/1420
Gross Weight (lbs/kg) ⁽⁴⁾	37/16.8	44/19.1	66/29.1
	41/18.6	58/26.4	72/32.7

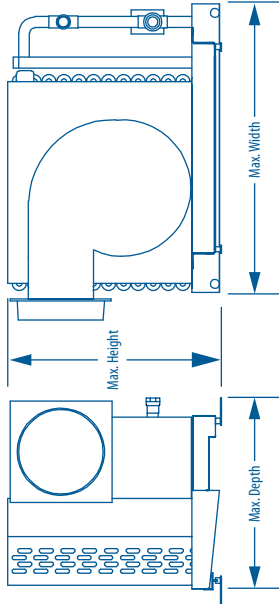
¹ Verify voltage! Units with SCR-based controls are designed for either 208VAC or 230VAC. Add "208" to the end of the model number for 208VAC units.

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

