

AT-HV Series Air Handlers

Compact Units With High-Velocity Blowers



The AT-HV series of air handlers for marine HVAC chilled water systems are draw-through (ducted) units with high-velocity (HV) blowers. The AT-HV series replaces Flex-Duct and Draw-Through series air handlers, and has many improvements and options over the older units.

Key Benefits

- Compact design
- High-velocity (HV) fully-insulated blowers are rotatable
- Improved cooling and dehumidification
- Drain pan has anti-slosh, anti-fungal foam lining
- Vibration-isolation mounts reduce noise and vibration.
- Exposed sheet metal is insulated against secondary condensation
- Remote air bleeder on 6 ft. (1.8 m) of flexible tubing with ball valve
- Electrical box can be remotely mounted up to 6 ft. (1.8 m)
- Water-pressure test ports for troubleshooting
- Allowance for connecting variable fan-speed drives
- Rotatable blowers
- Optional flow control automatically balances circulated water throughout the system
- Optional Electric Heat
- Optional Breathe Easy™ microparticle air filter

Cruisair®

by Dometic GROUP

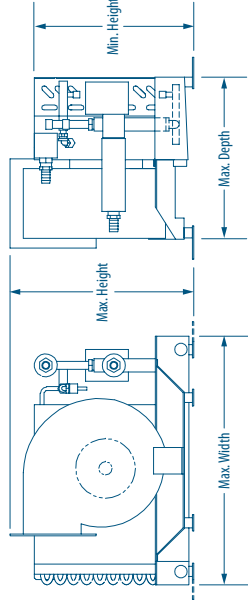
Specifications for AT-HV Series Air Handlers

Model ⁽¹⁾	AT4HV	AT6HV	AT9HV	AT12HV	AT18HV	AT24HV	AT36HV	AT48HV	AT54HV
Nominal Capacity - Cool (BTU/h)	4000	6000	9000	12000	18000	24000	36000	48000	54000
Nominal Capacity - Heat (BTU/h)	TBD	3412	5118	6824	10236	13648	20472	27296	30912
Voltage @ 50/60Hz 1-Ph (V)	115	230	115	230	115	230	115	230	230
Full Load Amps (FLA) Cool (A)	1.06	0.41	1.6	0.9	1.1	0.7	2.3	1.15	1.62
Full Load Amps (FLA) Blower (A)	0.8	0.4	1.2	0.6	1.4	0.7	2.2	1	1.6
Optional Electric Heat (kW)	N/A	1.5	1.5	2	3	3	4	5	5
Max. Circuit Breaker (A)	5	5	5	5	5	5	5	5	5
Min. Circuit Ampacity (A)	2	1	2	1	2	1	2	2	2
Water Flow (gpm/lpm)	1/3.8	1.5/5.7	2.3/8.8	3/11.4	4.5/17.1	6/22.8	9/34.1	12/45.4	13.5/51.8
Air Flow (cfm/m ³ /h)	130/221	229/390	278/473	338/575	465/791	506/860	676/1149	906/1584	1014/1782
External Static Pressure (inh/20Pa)	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7	0.3/74.7
Min. Height (in/mm) ⁽²⁾	10.1/257	10.1/257	11.9/303	12.05/307	14.96/380	16.61/422	19.5/496	22.63/575	26.63/677
Max. Height (in/mm) ⁽²⁾	10.1/257	12.63/321	13.25/337	13.88/353	16.5/420	16.68/424	19.5/496	22.63/575	26.63/677
Max. Width (in/mm) ⁽²⁾	14.8/376	15/381	16.63/423	18.75/477	20.25/515	22.63/575	26.63/677	31.5/800	36.63/930
Max. Depth (in/mm) ⁽²⁾	8.8/224	12.28/312	12.5/318	12.5/318	13.5/312	15.25/388	18/458	21.5/547	24.5/621
Drain Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Drain Connection Type	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Chilled Water Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Chilled Water Connection Type	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Min. Supply Duct Size (in/mm)	4/102	5/127	6/153	6/153	7/178	8/204	8/204	8/204	8/204
Min. Supply Air Gills Size (sq in/ sq cm)	32/207	35/226	49/317	70/452	100/646	140/904	196/1265	272/696	309/792
Min. Return Air Gills Size (sq in/ sq cm)	64/413	70/452	98/633	130/839	200/1291	240/1549	360/2323	480/3096	540/3456
Height-Electrical Box (in/mm)	8/204	8/204	8/204	8/204	8/204	8/204	8/204	8/204	8/204
Width-Electrical Box (in/mm)	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156	6.13/156
Depth-Electrical Box (in/mm)	2/51	2/51	2/51	2/51	2/51	2/51	2/51	2/51	2/51

¹ Model numbers shown are for 115V units with high-velocity (HV) blowers. Add a "7" for 230V units; add "-FC" for optional flow control; add "-L" or "-R" for valve position (relative to the blower side of the coil) and angle of the blower (-80° is the default); add "kW" for amount of optional electric heat in kilowatts (for ex. 1.5kW).

² All dimensions ± 0.30 in. (8 mm).

Dimensions



Dealer



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Specifications and availability subject to change without notice.