

ATV-HV Series Slim-Profile Air Handlers

Designed With Depth Constraints In Mind



ATV-HV chilled water air handlers were designed for applications where very little depth is available. Showcasing a unique vertical layout, these air handlers have the coil low and the blower above.

Featuring a slim profile, ATV-HV air handlers make previously unusable areas suitable for installation. With a depth of only 9.4 in. (240 mm), these units can be hidden in side areas instead of in places above or below, where most air handlers are installed. ATV-HV air handlers have a high-velocity blower with internal motor that keeps overall unit depth to a minimum, resulting in easier installation.

ATV-HV air handlers are available in two configurations: Low-profile (LP) and square (SQ). LP models have a reduced height for installations where height, as well as depth, is restricted. SQ models have a square blower assembly that allows 90° of blower rotation in the field.

ATV-HV air handlers are constructed with corrosion-resistant materials and have drain pans lined with an anti-slosh, anti-fungal foam. Exposed metal surfaces are insulated against secondary condensation. Options include a flow control valve that balances chilled water distribution throughout the system, and electric heat.

Key Benefits

- Unique vertical design results in dramatically reduced depth.
- Fits into walls and other tight spaces.
- Exposed components are insulated against secondary condensation.
- High-velocity (HV) blower with internal motor to reduce depth.
- Low-profile models (ATV*HV-LP) have a reduced height for tight installation spaces.
- Square models (ATV*HV-SQ) allow 90° of blower rotation in the field.
- Electrical box can be remotely mounted up to 6 ft. (1.8 m).
- Drain pan has anti-slosh, anti-fungal foam lining.
- Optional flow control automatically balances circulated water throughout the system.
- Optional electric heat.

Specifications for ATV-HV Series Slim-Profile Air Handlers

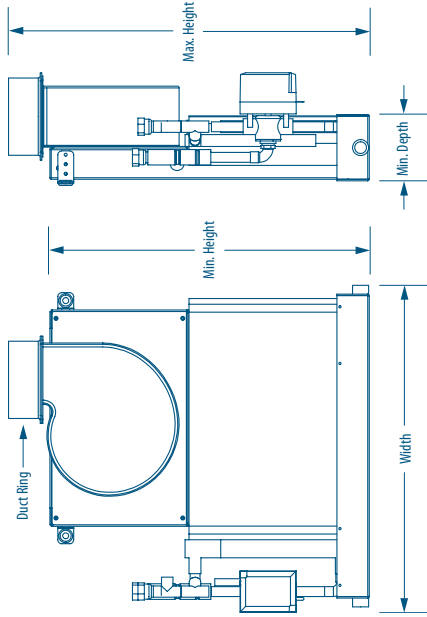
Model ⁽¹⁾	ATV6HV-LP	ATV9HV-LP	ATV12HV-LP	ATV15HV-LP	ATV18HV-LP	ATV24HV-LP
Nominal Capacity - Cool (BTU/h)	6000	9000	12000	18000	24000	24000
Nominal Capacity - Heat (BTU/h)	6000	9000	12000	18000	24000	24000
Voltage @ 50/60Hz 1-Ph (V)	115	230	230	115	230	115
Full Load Amps (FLA) Cool (A)	1.6	0.9	0.7	1.5	0.7	2.3
Full Load Amps (FLA) Blower (A)	1.2	0.6	0.7	1.4	0.7	2.2
Optional Electric Heat (kW)	1	1	1	1.5	1	1.5
Heater Amps (A)	4.3	4.3	4.3	6.5	6.5	6.5
Max. Circuit Breaker (A)	5	5	5	5	5	5
Min. Circuit Amperacity (A)	2	2	2	3	3	3
Water Flow (gpm/lpm)	2.25/8.6	2.25/8.6	3/11.4	3/11.4	3/11.4	6/22.8
Air Flow (cfm/m ³ h)	200/339.9	280/475.8	400/679.7	600/1019.5	650/1104.4	650/1104.4
External Static Pressure (inH ₂ O/Pa)	0.75/186.8	0.75/186.8	0.75/186.8	0.75/186.8	0.75/186.8	0.75/186.8
Min. Height (in/mm) ⁽²⁾⁽³⁾	20.5/521	20.5/521	22.1/562	26/661	32.5/826	32.5/826
Max. Height (in/mm) ⁽²⁾⁽³⁾	22.3/567	22.3/567	24.1/613	27.8/707	34.4/874	34.4/874
Max. Width (in/mm) ⁽²⁾	20.2/514	20.2/514	20.2/514	21.2/539	29.3/745	29.3/745
Min. Depth (in/mm) ⁽²⁾	4.3/110	4.3/110	4.3/110	6.3/161	7.9/201	7.9/201
Drain Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2
Drain Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Chilled Water Connection Size (in)	1/2	1/2	1/2	1/2	1/2	1/2
Chilled Water Connection Type	FPT	FPT	FPT	FPT	FPT	FPT
Min. Supply Duct Size (in/mm)	5/127	6/153	6/153	7/178	8/204	8/204
Min. Supply Air Grille Size (sq in/sq cm)	35/226	49/317	70/452	100/646	140/904	140/904
Min. Return Air Grille Size (sq in/sq cm)	70/452	98/633	130/839	200/1291	240/1549	240/1549

¹ 'LP' indicates low-profile configuration; replace with 'SQ' for square configuration.

² All dimensions ± 0.30 in. (8 mm).

³ Heights listed are for 'LP' configurations.

Dimensions



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