

# ATV "4-Pipe" Series Slim-Profile Air Handlers

## Narrow Depth With Separate Boiler Connections



The ATV is a chilled water air handler designed for applications where very little depth is available. In the "4-pipe" configuration there are two separate sets of valves and heat exchangers for cooling and for heating. Two pipes connect to the chiller system to provide cooling, and two pipes connect to an auxiliary heat source, such as a boiler, to provide heating.

Tall and slim, ATV air handlers make previously unusable areas suitable for blower installation. Showcasing a unique vertical layout, the ATV series has the coil low and the blower above. Because of its minimal depth, it can be hidden in side areas instead of in places above or below, where most air handlers go.

Designed for ducted applications, the ATV series is equipped with high-velocity (HV) blowers with internal motors to reduce depth for more flexibility during installation. They are also available with brushless "WhisperCool" DC blowers that are extremely quiet yet can overcome significant static pressure in the ducting system.

ATV air handlers are constructed of corrosion-resistant materials and are fully insulated against secondary condensation. The drain pan has an anti-slosh, anti-fungal foam lining. An optional flow control is highly recommended to help distribute the flow of chilled water more efficiently.



The ATV's slim-profile design is ideal for installation in walls and other areas where depth is limited.

### Key Benefits

- Unique vertical design results in dramatically reduced depth.
- Fits into walls and other tight spaces.
- Dedicated circuits for chilled water cooling and heating provided by an auxiliary heat source such as a boiler.
- Exposed components are insulated against secondary condensation.
- High-velocity (HV) blower with internal motor to reduce depth.
- Optional DC "WhisperCool" blowers are extremely quiet yet powerful enough to overcome high-static-pressure duct.
- Drain pan has anti-slosh, anti-fungal foam lining.
- Electrical box can be remotely mounted up to 6 ft. (1.8 m).
- Optional flow control automatically balances circulated water throughout the system.
- Optional Breathe Easy™ microparticle air filter.

**Cruisair**®

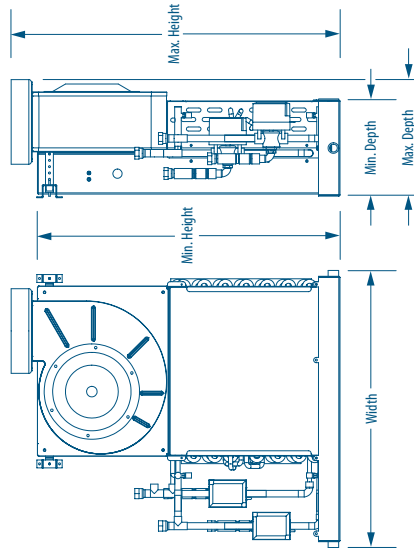
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# Specifications for ATV “4-Pipe” Series Slim-Profile Air Handlers

Model	ATV19HV-4P-LP	ATV12HV-4P-LP	ATV18HV-4P-LP	ATV24HV-4P-LP
Nominal Capacity - Cool (BTU/h)	9000	12000	18000	24000
Voltage @ 50/60Hz 1-Ph (V)	115	230	115	230
Full Load Amps (FLA) Cool (A)	1.14	1.61	2.52	3.4
Full Load Amps (FLA) Blower (A)	1.4	0.7	1	3.5
Optional Electric Heat (kW)	1	1	1.5	1.5
Heater Amps (A)	8.7	4.3	13	6.5
Max. Circuit Breaker (A)	5	5	5	5
Min. Circuit Ampacity (A)	2	1	1	2
Water Flow (gpm/lpm)	2.25/8.6	3/11.4	4.5/17.1	6/22.8
Air Flow (cfm/m <sup>3</sup> )	280/475.8	400/679.7	600/1019.5	650/1104.4
External Static Pressure (inH <sub>2</sub> O/Pa)	0.75/186.8	0.75/186.8	0.75/186.8	0.75/186.8
Min. Height (in/mm) <sup>(1)</sup>	22.3/567	22.3/567	26.2/666	29.4/747
Max. Height (in/mm) <sup>(1)</sup>	24.3/618	24.3/618	28.2/717	31.4/798
Max. Width (in/mm) <sup>(1)</sup>	24.1/613	24.1/613	24.9/633	26.3/669
Min. Depth (in/mm) <sup>(1)</sup>	6.4/163	6.5/166	7.6/194	9.4/239
Max. Depth (in/mm) <sup>(1)</sup>	7.6/194	8.3/211	8.9/227	11.2/285
Chilled Water Connection Size (in)	1/2	1/2	1/2	1/2
Chilled Water Connection Type	FPT	FPT	FPT	FPT
Min. Supply Duct Size (in/mm)	6/153	6/153	7/178	8/204
Min. Supply Air Grille Size (sq in/sq cm)	49/317	70/452	100/646	140/904
Min. Return Air Grille Size (sq in/sq cm)	98/633	130/839	200/1291	240/1549

<sup>1</sup> All dimensions ± 0.30 in. (8 mm).

## Dimensions



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