

# 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.

**Cruisair**<sup>®</sup>

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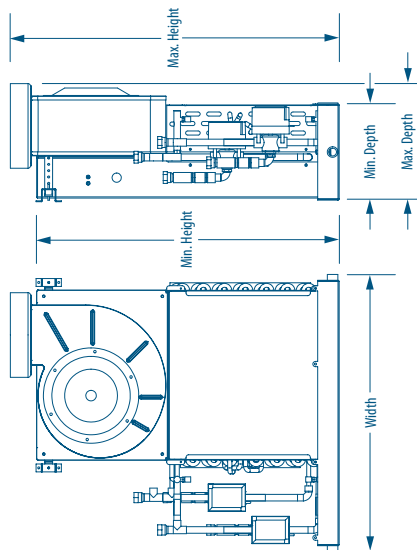
Specifications for ATV-HV-4P Air Handlers

Model	ATV6HV-4P	ATV6HVZ-4P	ATV9HV-4P	ATV9HVZ-4P	ATV12HV-4P	ATV12HVZ-4P	ATV18HV-4P	ATV18HVZ-4P	ATV24HV-4P	ATV24HVZ-4P
Nominal Capacity-Cooling (BTU/hr)	6000	6000	9000	9000	12000	12000	18000	18000	24000	24000
Nominal Capacity-Cooling (RTU/hr)										
Voltage @ 50/60Hz L-Ph.	115V	230V	115V	230V	115V	230V	115V	230V	115V	230V
Full Load Amps (FLA) Cool	1.1	0.7	1.6	1.6	1.6	0.6	2.5	0.9	3.4	1.3
Full Load Amps (FLA) Heat	10.3	5.0	14.1	7.1	14.6	7.1	28.6	13.9	29.5	14.3
Heater Amps	8.7	4.3	8.7	4.3	8.7	4.3	13.0	6.5	13.0	6.5
Optional Electric Heat (kW)	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
Air Flow (cfm/cmh)	200/340	200/340	280/476	280/476	400/680	400/680	600/1020	600/1020	800/1360	800/1360
External Static Pressure (in H <sub>2</sub> O/Pa)	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186	0.75/186
Water Flow (gpm/lpm)	1.5/5.7	1.5/5.7	2.25/8.55	2.25/8.55	3.0/11.4	3.0/11.4	4.5/17.1	4.5/17.1	6.0/22.8	6.0/22.8
Min. Height (in/mm) <sup>(1)</sup>	20.7/526	20.7/526	22.3/566	22.3/566	22.3/566	22.3/566	26.2/665	26.2/665	29.4/747	29.4/747
Max. Height (in/mm) <sup>(1)</sup>	22.7/577	22.7/577	24.3/617	24.3/617	24.3/617	24.3/617	28.2/716	28.2/716	31.4/798	31.4/798
Width (in/mm) <sup>(1)</sup>	24.1/612	24.1/612	24.1/612	24.1/612	24.1/612	24.1/612	24.9/632	24.9/632	26.3/668	26.3/668
Depth-Drain Pan (in/mm) <sup>(1)</sup>	6.4/163	6.4/163	6.4/163	6.4/163	6.5/165	6.5/165	7.6/193	7.6/193	9.4/239	9.4/239
Max. Depth (in/mm)	6.9/175	6.9/175	7.6/193	7.6/193	8.3/211	8.3/211	8.9/226	8.9/226	11.2/284	11.2/284
Drain Connection Size	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.
Chilled Water Connection Size	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.	1/2 in.
Min. Supply Duct Size (in/mm)	5/127	5/127	6/152	6/152	6/152	6/152	7/178	7/178	8/203	8/203
Min. Supply Air Galle (sq. ft./sq. cm)	35/226	35/226	49/316	49/316	70/452	70/452	100/645	100/645	140/903	140/903
Min. Return Air Galle (sq. ft./sq. cm)	70/452	70/452	98/632	98/632	130/839	130/839	200/1290	200/1290	240/1548	240/1548
Net Weight (lbs./kg) <sup>(2)</sup>	27/12	27/12	29/13	29/13	34/15	34/15	42/19	42/19	54/25	54/25
Gross Weight (lbs./kg) <sup>(2)</sup>	37/17	37/17	39/18	39/18	44/20	44/20	52/24	52/24	64/29	64/29

<sup>1</sup> All dimensions ± 0.39 in. (8 mm).

<sup>2</sup> All weights ± 10%.

Dimensions



Dealer

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Specifications and availability subject to change without notice.

