

AIO Wall Mounted



AIO Wall Mounted units are slim and sleek. Wall Mounted units can be mounted high or low with a factory supplied bracket, making installation quick and simple. An electronically controlled louver with an auto-swing function distributes airflow comfortably and uniformly. Wall Mounted units are ideal for any area with free wall space. The onboard touch controller simplifies use and installation. AIO Wall Mounted units are available with an optional ERV module. Special adapters enable the unit to be installed perpendicular to an outside wall. Watch how it is installed by scanning or clicking the QR code above.



Key Features

- Compact unit
- Easy to install
- Paintable sleek cabinet
- Electronically controlled air louver
- Always-on back-lit LED dims after 15 seconds of inactivity
- Auto-restart
- Washable filters

Options

- Optional 0.9/1.8 kW electric heat
- Optional ERV module
- 115V or 230V
- Hardwire or LCDI cord
- R32

Operation

- Cool, heat, dehumidify, and auto
- Selectable fan speeds, low, med, high, and auto
- Fresh air ERV - field configurable amount of fresh air (with optional ERV module)

Mounting

- High wall
- Low wall
- Sidewall with adapter

Airflow

- Dual 8" (203 mm) external vents
- Available 0.25" WC (62 Pa) for louvers

Included Controllers

- Onboard touch controller

Optional Controllers

- WiFi app for Android and iPhone
- Wall Mounted Advanced touchscreen with a 7-day program
- Wall Mounted Basic touch controller
- Third party thermostat interface
- BACnet/Modbus interface

Installation



High-wall install



Low-wall install



Sidewall install

Key Specifications

High Performance & High Efficiency



			AHRI			Energy Star Certified		
			95°F (35°C) ¹	105°F (41°C) ²	115°F (46°C) ³	95°F (35°C) ¹	105°F (41°C) ²	115°F (46°C) ³
Cooling – Heat Pump Only								
Capacity	Maximum	kBtu/h (kW)	10.2 (3.0)	8.0 (2.3)	7.5 (2.2)	10.2 (3.0)	8.0 (2.3)	7.5 (2.2)
	Recommended*		9.0 (2.6)	7.5 (2.2)	7.1 (2.1)	9.0 (2.6)	7.5 (2.2)	7.1 (2.1)
	Nominal		7.4 (2.2)	7.3 (2.1)	7.1 (2.1)	6.7 (2.0)	7.3 (2.1)	7.1 (2.1)
	Minimum		3.3 (1.0)	3.3 (1.0)	3.3 (1.0)	3.3 (1.0)	3.3 (1.0)	3.3 (1.0)
Power input	Maximum	kW	1.1	1.00	1.08	1.1	1.00	1.08
	Recommended*		1.05	0.93	0.99	1.05	0.93	0.99
	Nominal		0.81	0.90	0.99	0.65	0.90	0.99
	Minimum		0.21	0.24	0.27	0.21	0.24	0.27
Efficiency	Maximum		9.3	8.0	7.0	9.3	8.0	7.0
	Recommended		8.6	8.1	7.2	8.6	8.1	7.2
	Nominal		9.2	8.22	7.2	10.5	8.22	7.2
	SEER2		13.65	-	-	15.2	-	-
Moisture removal		Pts/h (L/h)	1.9 (0.9)	2.1 (1.0)	2.3 (1.1)	1.9 (0.9)	2.1 (1.0)	2.3 (1.1)

			AHRI					Energy Star Certified				
			47°F (8°C) ⁴	17°F (-8°C) ⁵	5°F (-15°C) ⁶	0°F (-17°C) ⁷	-5°F (-20°C) ⁸	47°F (8°C) ⁴	17°F (-8°C) ⁵	5°F (-15°C) ⁶	0°F (-17°C) ⁷	-5°F (-20°C) ⁸
Heating – Heat Pump Only**												
Capacity	Maximum	kBtu/h (kW)	10.1 (2.9)	6.4 (1.9)	6.0 (1.8)	5.7 (1.7)	5.3 (1.6)	10.1 (2.9)	6.4 (1.9)	6.0 (1.8)	5.7 (1.7)	5.3 (1.6)
	Recommended*		8.8 (2.6)	5.7 (1.7)	5.9 (1.7)	5.7 (1.7)	5.1 (1.5)	8.8 (2.6)	5.7 (1.7)	5.0 (1.5)	5.7 (1.7)	5.1 (1.5)
	Nominal		7.4 (2.2)	5.1 (1.5)	5.3 (1.6)	5.1 (1.5)	4.9 (1.4)	6.7 (2.0)	4.8 (1.4)	4.5 (1.3)	5.1 (1.5)	4.9 (1.4)
	Minimum		3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)	3.0 (0.9)
Power input	Maximum	kW	1.03	0.97	1.43	1.40	1.32	1.03	0.97	1.43	1.40	1.32
	Recommended*		0.85	0.87	1.04	1.04	1.07	0.85	0.87	0.86	1.04	1.07
	Nominal		0.70	0.83	0.91	0.90	0.93	0.59	0.62	0.75	0.90	0.93
	Minimum		0.23	0.41	0.42	0.43	0.44	0.23	0.41	0.42	0.43	0.44
Efficiency	Maximum		2.9	1.93	1.2	1.2	1.2	2.9	1.93	1.2	1.2	1.2
	Recommended		3.0	1.92	1.7	1.6	1.4	3.0	1.92	1.7	1.6	1.4
	Nominal		3.1	1.81	1.7	1.7	1.6	3.3	2.27	1.77	1.7	1.6
	Minimum		3.8	2.2	2.1	2.0	2.0	3.8	2.2	2.1	2.0	2.0
	HSPF2		7.1	-	-	-	-	8.6	-	-	-	-

- 1 **95°F (35°C)** ID: 80°F(26.7°C), W.B. 67°F(19.4°C); OD: 95°F(35°C), W.B. 75°F(23.9°C)
 2 **105°F (41°C)** ID: 80°F(26.7°C), W.B. 67°F(19.4°C); OD: 105°F(40.6°C), W.B. 75°F(23.9°C)
 3 **115°F (46°C)** ID: 80°F(26.7°C), W.B. 67°F(19.4°C); OD: 115°F(46.1°C), W.B. 75°F(23.9°C)
 4 **47°F (8°C)** ID: 70°F(21.1°C), W.B. 60°F(15.6°C); OD: 47°F(8.3°C), W.B. 43°F(6.1°C)

* This is the recommended capacity for sizing the unit to the space.

- 5 **17°F (-8°C)** ID: 70°F(21.1°C), W.B. 60°F(15.6°C); OD: 17°F(-8.3°C), W.B. 13°F(-10.6°C)
 6 **5°F (-15°C)** ID: 70°F(21.1°C), W.B. 60°F(15.6°C); OD: 5°F(-15°C), W.B. 3°F(-16.1°C)
 7 **0°F (-17°C)** ID: 70°F(21.1°C), W.B. 60°F(15.6°C); OD: 0°F(-17.8°C)
 8 **-5°F (-20°C)** ID: 70°F(21.1°C), W.B. 60°F(15.6°C); OD: -5°F(-20.6°C)

** The tables show Heat Pump performance only. An electric heating element can be added to provide an additional output of 3.1 or 6.1 kBtu/h (0.9 or 1.8 kW).

Technical Specifications

Airflow		
Indoor	Type	ECM centrifugal
	CFM (m³/h)	160 – 290 (272 – 493)
	Available ESP	N/A
	Supply connection	Integrated
	Return connection	Integrated
Outdoor	Filter	MERV 3
	Type	ECM centrifugal
	CFM (m³/h)	200 – 350 (340 – 595)
	Available ESP	0.25" WC (62 Pa)
	Intake connection	8" (203 mm) round
	Exhaust connection	6" (152 mm) round

General		
Indoor	Type	BLDC twin rotary inverter
	Oil Type	Fv50s (ISO 50) Polyvinylether (PVE)
Controls	Basic Functionality	Dependent on controller
	WiFi	Optional module available
	Dry Contact	Yes
Modes	Operation	Cool, heat, dehumidify, auto, fan only
	Restricted Modes	Heat only, cool only, temperature limiting
	Timers	Dependent on the controller
Condensate	Pipe size	3/4" (19 mm) outside diameter
	Pipe Material	Rubber

Sound		
Indoor	DB range: dB(A)	27 – 41
	STC	37
	OITC	28
Outdoor	dB(A)	28 -52

Electical Data: Heat Pump Only*		AHRI		Energy Star Certified	
		115V	230V	115V	230V
Power Supply	Ph/Hz	1/60		1/60	
Power Factor		0.96		0.96	
Input Power – standby	W	10.8		10.8	
Input Power – off mode		1.5		1.5	
Running Amps Cooling	A	5.7	2.9	5.7	2.9
Max. Amps Cooling		9.6	4.8	9.6	4.8
Running Amps Heating		5.1	2.6	5.1	2.6
Max. Amps Heating		9.6	4.8	9.6	4.8
MCA		12	6	12	6
MOCP		25	15	25	15
Rec. Breaker Size		20	15	20	15

* See the Post Heater table.

Electrical connection			115V	230V
LCDI Power Cord	Amps	A	20	15
	Plug	NEMA	5-20P	6-15P
Quick-connect whip	Length	in (mm)	40 (1,016)	40 (1,016)

Electrical (General) – Motors			115V	230V
Compressor	RLA	A	7.9	3.9
	LRA		7.9	3.9
Indoor ECM fan motor	Max Watts	W	50	50
	F.L.A.	A	0.4	0.3
	Power	HP	0.07	0.07
Outdoor ECM fan motor	Max Watts	W	90	90
	F.L.A.	A	0.8	0.4
	Power	HP	0.12	0.12

Post Heater Output and Current		
900 W		1800 W
115 V	900 W / 7.8 A	N/A
208 V	736 W / 3.5 A	1,472 W / 7.1 A
230 V	900 W / 3.9 A	1,800 W / 7.8 A
240 V	980 W / 4.1 A	1,960 W / 8.2 A

Unit Dimensions and Mechanical Details		
Dimensions		39.7" W x 21.9" H x 6.5" D
		1,008 mm W x 556 mm H x 165 mm D
Net weight	lb (kg)	100 (45.4)
Gross weight		105 (47.6)
Cabinet finish		RAL 9003 signal white
Cabinet material		Steel

Dimensions

For CAD and DWG files, please scan or click the QR code below.

