AIO® Wall Mounted (Gen 3)

Product Data Sheet



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Unitary Small HP
AHRI Standard 210/240

Intertek

ENERGY STAR

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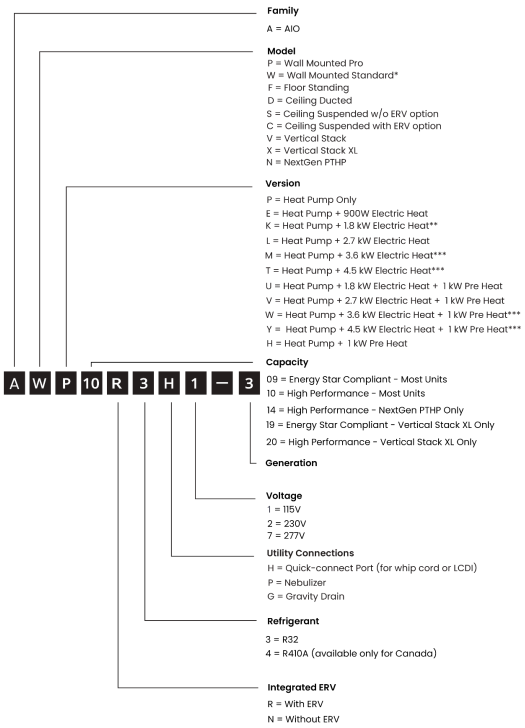
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MODEL NUMBER NOMENCLATURE

The code identifies the family, model, version, size, voltage, accessories, refrigerant type, and ERV option. See the diagram below for details.

Figure 1. AIO® nomenclature



* 8" Vents : Just generation (e.g. = 3)

6" Vents : Generation + SP (e.g. = 3SP)

** Field convertible to 900W

*** AIO® Vertical Stack XL **Only**

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1. READING THIS DOCUMENTATION

Some language and symbols in this documentation have specific meanings.

1.1 Documentation-specific language

Reference to the product
Any reference to "the unit" refers to the AIO® Wall Mounted (Gen 3) unit.

Unit orientation
All directions in this guide (left, right, top, bottom) are given from the perspective of facing the unit.

1.2 Annotation icons

Annotations are provided throughout this guide. It is essential to read each carefully and follow the instructions stated.

Indicates critical information for correct operation or installation.

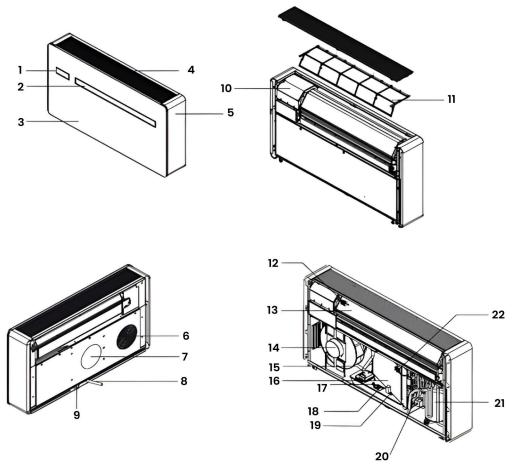
Indicates supplemental information, tips, or useful background information.

2. AIO® WALL MOUNTED (GEN 3) OVERVIEW

AIO® Wall Mounted units are slim and sleek. The unit 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. These units are ideal for any area with free wall space. The onboard touch controller simplifies use and installation. Special adapters enable the unit to be installed perpendicular to an outside wall, used with many louver styles, or even vented through an existing window frame with no construction required.

2.1 Components and structure

Figure 2. Unit Components



1	Onboard Touch Controller	**12**	Room Air Sensor
2	Supply Air Outlet	**13**	Indoor Heat Exchanger Coil
3	Front Cover Panel	**14**	Outdoor Fan
4	Return Air Grille	**15**	Condensation Pump
5	Decorative Side Panel	**16**	Outdoor Heat Exchanger Coil
6	Outdoor Air Intake	**17**	Maximum Level Float
7	Outdoor Air Outlet	**18**	Level Float
8	Rubber Drain Hose	**19**	Condensation Drain Actuator
9	Anti-Lift Bracket	**20**	Four-Way Valve
10	Electrical cover	**21**	Compressor
11	Return Air Filter	**22**	Outdoor Air Sensor

2.2 Key Features

No outdoor unit
Single-package design eliminates the need for an outdoor unit, freeing up rooftop and ground space and enabling installation in buildings without access to outdoor equipment.

BLDC twin rotary inverter compressor
Twin-rotor Brushless DC (BLDC) inverter compressor provides efficient, low-noise operation with minimal vibration. AIO®'s Wall Mounted unit is ideal for any room or area that requires between 3,300 and 10,200 Btu/h of cooling capacity, or between 3,000 and 10,100 Btu/h of heating capacity.

High-efficiency ECM fans with auto ESP
ECM fans automatically adjust speed to maintain efficient, quiet operation. Auto-adjusting external static pressure (ESP) ensures proper airflow.

Cold climate heat pump
Operates efficiently in outdoor temperatures as low as 5°F (-15°C).

Optional ERV Module
Enables efficient introduction of fresh (make-up) air into the space.

Optional 1,800-Watt electric resistance heat
Provides supplemental heating when the heat pump capacity is insufficient. Includes two 900 W staged heaters to reduce energy consumption.

Configurable operation: 0 W, 900 W, or 1,800 W.

Intelligent defrost
Reduces defrost cycle time, maximizing heating operation.

Condensate-assisted coil cooling system
Reuses condensate to cool the outdoor heat exchanger, improving efficiency and performance.

Quiet operation
Sound levels as low as 27 dB(A) for minimal occupant disturbance.

Reduced outdoor noise transmission
STC (37) and OITC (28) ratings help limit external noise entering the space.

Dry contact control compatibility
Supports integration with dry contact devices (e.g., occupancy sensors, window switches, remote on/off controls) for automatic unit operation.

Minimal clearances and compact footprint
AIO®'s compact form, with no line sets, means there is no need to access the sides of the unit. Mount units with as little as 1 inch (25.4 mm) clearance on all sides. Compact footprints take up minimal space.

Leak protection
A drain alarm will activate if the drain becomes clogged, and the system will shut off to prevent water damage.

Easy to service
AIO® can be easily maintained and repaired from the front and bottom of the unit without removing it from the wall or ceiling. AIO® can also be quickly swapped out with a replacement, reducing downtime.

Versatile controls
AIO® includes an onboard touch controller and an optional iOS and Android app. AIO® can be used with optional wall-mounted controllers, including a TFT with a 7-day program, and third-party controllers via the optional third-party kit. Optional BACnet and Modbus modules enable interfacing with building management systems.

3. AIRFLOW

3.1 Airflow operation

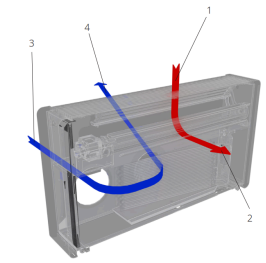
- **Supply air**
  The supply air is delivered through an electronically controlled louver that can be set to any angle or oscillate continuously.
- **Return air**
  The return air is on the top through the integrated return air grille and filter.
- **Outside air intake**
  The unit features an 8-inch (200 mm) round outside-air exhaust connection (6-inch [160 mm] round for SP units). The connection is compatible with any approved or custom louvers that meet the minimum requirements. See INSTALLATION REQUIREMENTS.
- **Outside air exhaust**
  The unit features an 8-inch (200 mm) round outside-air exhaust connection (6-inch [160 mm] round for SP units).

  An 8- to 6-inch rubber reducer flange is available for purchase as needed.

  The connection is compatible with any approved or custom louvers that meet the minimum requirements. See INSTALLATION REQUIREMENTS.
- (Optional) Sidewall Adapter

3.2 Airflow diagram

Figure 3. Airflow



1	Room return air	**3**	Outside air intake
2	Supply air	**4**	Exhaust

4. INSTALLATION REQUIREMENTS

Figure 4. Installation options



Sidewall install | Low-wall install | High-wall install

4.1 Low ambient heating configuration requirement

To configure the unit for electric resistance heating in low ambient conditions:

1. Press and hold the **Power** button for 10 seconds to enter the User Menu.
2. Press and hold the **+ and –** buttons simultaneously for 10 seconds to enter the Installer Menu.
3. Use **+ / –** to scroll to **HE**, then press **Power**.
4. Use **+ / –** to select **RT**.
5. Press **Power** again to save (the save icon appears).
6. Once returned to the main screen, press **A**, then press **A** again.

This configuration shifts the unit to electric resistance heating under low ambient conditions and avoids heat pump operation, which could otherwise contribute to ice formation.

4.2 Cold climate condensate drain requirement

For installations in cold or northern climates, a condensate drain line heater is required.

The use of a drain line heater is standard industry practice and necessary to prevent condensate freezing during low-ambient operation. Failure to install a drain line heater may result in ice formation and improper unit operation.

Ambient temperatures below 40°F (4°C) may increase the risk of freezing even when the unit is properly configured.

4.3 Site requirements

Refer to the installation manual for complete installation requirements and specifications.

- Where practical, avoid installing the unit in a location exposed to direct sunlight. Solar heating may cause the room-air temperature sensor to detect a temperature higher than the actual room temperature, resulting in improper temperature control, unnecessary cooling operation, reduced heating output, and decreased energy efficiency.
- The power supply circuit is installed in accordance with the current edition of NEC (ANSI/NFPA 70) and local codes and ordinances.

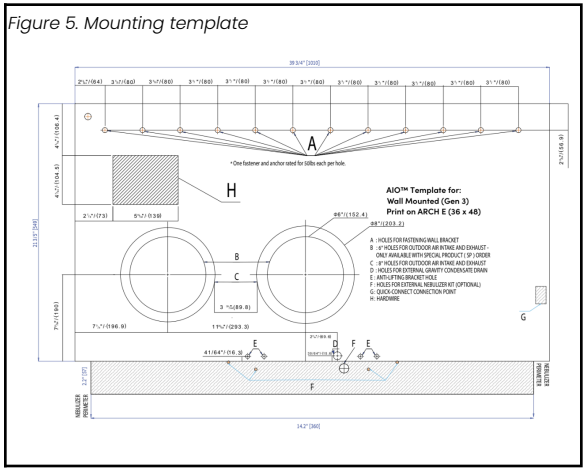
- Always consult local and national electrical codes before installing the unit.
- Damage or premature failure of the quoted equipment resulting from improper voltage conditions, inadequate electrical service, or operating the equipment with excessive THD (Total Harmonic Distortion) levels will void the Manufacturer's warranty.
- Do not operate the unit in or near a construction or renovation site. Dust and debris can enter the unit, causing malfunctions and reduced performance.

- Voltage rating of 60 Hz, single phase in 115V or 208/230V in accordance with the model specified.
- All responsible parties must verify that the electrical supply is properly grounded, free of excessive electrical noise, and within the specified voltage and frequency limits before energizing the unit. Failure to correct power quality issues, including voltage instability or electrical noise, may result in equipment damage and will void the warranty for affected components.
- Minimum interior clearances are as follows:
  - Front of unit to any obstructions: 30" (762 mm)
  - Sides of unit to wall: 1" (25.4 mm)
  - Bottom of unit to floor: 3" (76.2 mm)
  - Top of unit to any obstruction: 3.5" (88.9 mm)
  - Back of the fan to an external louver: 2" (50.8 mm)
- Unblocked vents on the exterior and no obstacles within 36" (914.4 mm).
- An internal drain is highly recommended.
- If using an externally run condensate line in freezing conditions:
  - The line must be properly insulated.
  - The line must have a minimum slope of 30%.
  - Installers should use heat-trace wire on the condensate line to prevent freezing. Connect it to the heat trace power connection on the bottom of the unit.
  - If on a low floor, ensure that the end of the drain is above the maximum height of snow buildup.

4.4 Mounting template

INNOVA provides a mounting template to facilitate installation.

Figure 5. Mounting template



To download the mounting template, click:

AIO Wall Mounted (Gen 3) Mounting Template.pdf

4.5 Outdoor air louver options

AIO® Wall Mounted units accommodate various outdoor air louver designs, including architectural louvers and perforated panels.

Choose one of the following options:

- Use an INNOVA-approved louver, available through your INNOVA distributor:
  - **Sunvent:** LLA/C, LLA/F, LLA/S
  - **Thermaduct:** RLA8
- Use a custom louver designed with guidance from INNOVA.

Always contact INNOVA before selecting, designing, or fabricating a custom louver. An unsuitable louver may restrict airflow, impair unit operation, and affect warranty coverage.

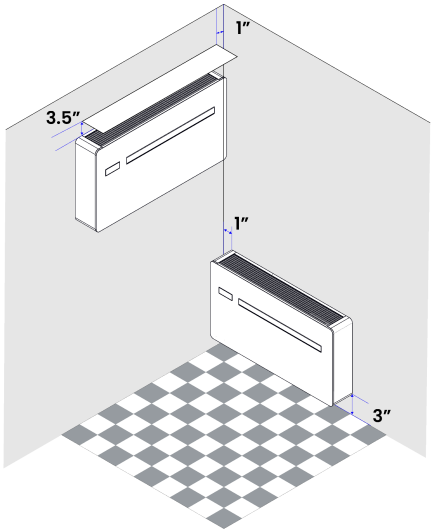
4.6 Clearance requirements

The AIO® Wall Mounted unit's clearance will depend on how it is mounted. Please carefully read the criteria below to determine the required clearance.

- **Top - low wall mounted**
  There must be a minimum clearance of 3.5" (88.9 mm) to any surface above, such as a shelf. This is required for the return airflow. 8" (203.2 mm) of clearance is recommended for ease of filter replacement and unit servicing.
- **Top - high wall mounted**
  There must be a minimum clearance of 3.5" (88.9 mm) from the ceiling. This is required for the return airflow. 8" (203.2 mm) of clearance is recommended for ease of filter replacement and unit servicing.
- **Bottom**
  There must be a minimum of 3" (76.2 mm) clearance from the floor to eliminate noise from vibration and allow the floor under the unit to be cleaned. When installing the unit with a nebulizer, a total clearance of 6" (152.4 mm) is required.
- **Sides**
  The AIO® Wall Mounted unit should not touch the wall on either side, as it will vibrate slightly during operation, which may create noise. As little as 1" (25.4 mm) of clearance will suffice to eliminate vibration-induced noise. A clearance of 2.5" (63.5 mm) on the sides allows for easier access when removing and installing the unit.
- **Front**
  Ensure that no curtains, furniture, plants, or other material is within 30" (762 mm) in front of the unit. The supply air vent is on the front, and blocking it will inhibit the airflow and the unit from working correctly.

- **Rear**
  The rear of the unit must be tightly against the wall, with no gaps between the wall and the unit. Gaps allow outside air to enter, leading to short cycling and increased humidity. If any gaps exist, they must be sealed with insulation.
- **Exterior**
  On the exterior of the building, there should be no obstacles blocking the airflow from the louver. There must be at least 36" (914.4 mm) of free and clear space in front of the louvers.

Figure 6. Clearances



5. ERV, CONTROLLER, AND HEAT TRACE WIRE CONNECTIONS

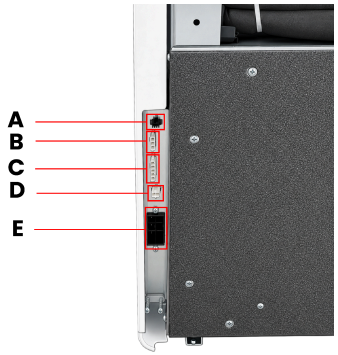
AIO® Wall Mounted features a group of connections at the bottom-right corner of the back of the unit (as viewed when facing the mounted unit) to enable quick, easy connection to accessories and components. These include the following:

Heat Trace Power
When installing a condensate line that drains directly outside in cold climates, using a heat trace line is strongly recommended.

ERV
When connecting the AIO® ERV, these ports allow quick access to power and communications.

Controller Gateways
All Controller Gateway connections (for interfacing with the Third Party Gateway, Advanced Touch Controller, Basic Touch Controller, BACnet, Modbus, and other controllers) are located behind the unit's right decorative panel. For installation instructions, refer to the relevant documentation for each controller.

Figure 7. External Connections



A	ERV communication	D	Power for heat trace on condensate line/Nebulizer
B	Power for ERV/Nebulizer	E	Quick-connect line power
C	ECM axial condenser/outdoor fan		

	power (not used for this unit)

6. TECHNICAL SPECIFICATIONS

6.1 High performance

6.1.1 Cooling

Table 1: High Performance - Cooling

Heat Pump only			95°F (35°C) (1)	105°F (40.6°C) (2)	115°F (46.1°C) (3)
Capacity	Maximum	BTU/hr	10,200	8,000	7,500
	Recommended*		9,000	7,500	7,100
	Rated		7,400	7,300	7,100
	Minimum		3,300	3,300	3,300
Input Power	Maximum	W	1,100	1,000	1,076
	Recommended*		1,046	930	987
	Rated		805	900	987
	Minimum		204	238	267
Efficiency	Maximum	EER	9.27	8.00	6.97
	Recommended*		8.60	8.06	7.19
	Rated	EER2	9.19	8.22	7.19
	Seasonal	SEER2	13.65	-	-
Moisture Removal		Pts/h	1.9	2.1	2.3
		L/hr	0.9	1.0	1.1

Notes

(1) 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) 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) 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)

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

6.1.2 Heating

Table 2: High Performance - Heating

Heat Pump only			47°F (8.3 °C) (1)	17°F (-8.3 °C) (2)	5°F (-15°C) (3)	0°F (-17.8° C) (4)	-5°F (-20.6 °C) (5)
Capacity	Maximum	BTU/ hr	10,100	6,400	6,000	5,700	5,300
	Recomm-ended*		8,800	5,700	5,900	5,700	5,100
	Rated		7,400	5,100	5,300	5,100	4,900
	Minimum		3,000	3,000	3,000	3,000	3,000
Input Power	Maximum	W	1,028	970	1,430	1,392	1,316
	Recomm-ended*		860	870	1,040	1,040	1,070
	Rated		694	825	908	900	927
	Minimum		234	410	415	425	433
Efficiency	Maximum	COP	2.88	1.93	1.23	1.20	1.18
	Recomm-ended*		3.00	1.92	1.70	1.61	1.40
	Rated		3.10	1.81	1.70	1.66	1.55
	Minimum		3.76	2.20	2.12	2.07	2.03
	Seasonal	HSPF2	7.10	-	-	-	-

Notes

(1) 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)

(2) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: 17°F(-8.3°C), W.B. 15°F(-9.4°C)

(3) 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)

(4) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: 0°F(-17.8°C)

(5) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: -5°F(-20.6°C)

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



Optional heat strips are available for an additional 6,100 BTU/hr of heating capacity.

6.2 Energy Star Compliant

6.2.1 Cooling

Table 3. Energy Star Compliant - Cooling

Heat Pump only			95°F (35°C) (1)	105°F (40.6°C) (2)	115°F (46.1°C) (3)
Capacity	Maximum	BTU/hr	10,200	8,000	7,500
	Recommended*		9,000	7,500	7,100
	Rated		6,700	7,300	7,100
	Minimum		3,300	3,300	3,300
Input Power	Maximum	W	1,100	1,000	1,076
	Recommended*		1,046	930	987
	Rated		641	900	987
	Minimum		204	238	267
Efficiency	Maximum	EER	9.27	8.0	6.97
	Recommended*		8.60	8.06	7.19
	Rated	EER2	10.45	8.22	7.19
	Seasonal	SEER2	15.20	-	-
Moisture Removal		Pts/h	1.9	2.1	2.3
		L/hr	0.9	1.0	1.1

Notes

(1) 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) 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) 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)

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

6.2.2 Heating

Table 4. Energy Star Compliant - Heating

Heat Pump			47°F (8.3 °C) (1)	17°F (-8.3 °C) (2)	5°F (-15°C) (3)	0°F (-17.8 °C) (4)	-5°F (-20.6 °C) (5)
Capacity	Maximum	BTU/hr	10,100	6,400	6,000	5,700	5,300
	Recommended*		8,800	5,700	5,000	5,700	5,100
	Rated		6,700	4,800	4,500	5,100	4,900
	Minimum		3,000	3,000	3,000	3,000	3,000
Input Power	Maximum	W	1,028	970	1,430	1,392	1,316
	Recommended*		860	870	860	1,040	1,070
	Rated		590	620	745	900	927
	Minimum		234	410	415	425	433
Efficiency	Maximum	COP	2.88	1.93	1.23	1.20	1.18
	Recommended*		3.00	1.92	1.70	1.61	1.40
	Rated		3.33	2.27	1.77	1.66	1.55
	Minimum		3.76	2.20	2.12	2.07	2.03
	Seasonal	HSPF2	8.55	-	-	-	-

Notes

(1) 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)

(2) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: 17°F(-8.3°C), W.B. 15°F(-9.4°C)

(3) 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)

(4) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: 0°F(-17.8°C)

(5) ID: 70°F(21.1°C), W.B. 60°F(15.6°C) | OD: -5°F(-20.6°C)

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



Optional heat strips are available for an additional 6,100 BTU/hr of heating capacity.

6.3 Airflow

6.3.1 Indoor

Table 5. Airflow - Indoor

Air volume		
Indoor	Type	ECM tangential
	CFM	175 - 270
	m^3/hr	300 - 450
	Available ESP	-
	Supply connection	Integrated
	Return connection	Integrated
	Speeds	Low, med, high, auto
	Filter	MERV 3

6.3.2 Outdoor

Table 6. Airflow - Outdoor

Air volume		
Outdoor	Type	ECM centrifugal
	CFM	235 - 325
	m^3/hr	400 - 550
	Available ESP	0.25" WC (62.3 Pa)
	Intake and Exhaust Connection	8" (203 mm) round (can be reduced to 6" (152 mm) with an adapter)
	Speeds	Low, med, high, auto

6.4 Sound

Table 7. Sound

Sound		
Indoor	dB(A)	27 - 41
	STC	37
	OITC	28
Outdoor	dB(A)	28-52

6.5 General

6.5.1 Controls

Table 8. General - Controls

Controls	
Basic functionality	Dependent on the controller
WiFi	Optional module available
Dry contact	Yes
Power outage restart	Auto-on based on the last setting

6.5.2 Modes

Table 9. General - Modes

Modes	
Operation	Cool, heat, dehumidify, auto, fan only
Restricted modes	Heat only, cool only, temperature limiting
Timers	Dependent on the controller

6.5.3 Condensate

Table 10. General - Condensate

Condensate	
Pipe size	3/4" (19 mm) outside diameter
Pipe material	Rubber
Drain pan capacity	0.55 gal (2.1 L)

6.5.4 Physical

For detailed dimensions, refer to the drawings in Section 8.

Table 11. General - Physical

Physical data			
Dimensions		in	39.9 W x 21.7 H x 6.9 D

Physical data			
		mm	1013 W x 550 H x 174 D
Weight	Net	lb	100
		kg	45.3
	Gross	lb	105
		kg	47.6
Cabinet	Finish		RAL 9003 signal white
	Material		Steel

6.5.5 Compressor

Table 12: General - Compressor

Compressor		
Type	BLDC twin rotary inverter	
Refrigerant	Type	R32
	Charge	17.64 oz.
		0.5 kg
Oil Type	Fv50s (ISO 50) Polyvinylether (PVE)	

6.6 Electrical

6.6.1 General

Table 13. Electrical - General

General		115V	230V
Volt range		103 - 127	180-253
Hz/phase		60 Hz / single phase	
Power input connection		LCDI power cord or hardwire (LCDI not available over 20A)	
Power factor		0.96	
Input power (standby)	W	10.8	
Input power (off mode)		1.5	
Cooling (nominal)	A	5.7	2.9
Cooling (max)		9.6	4.8
Heat Pump Only			
Heating - heat pump only (nom.)	A	5.1	2.6
Heating-heat pump only (max)		9.6	4.8
Heat Pump + Elec Heat			
Heating-heat pump+ Elec Heat (nom.)	A	5.1	2.6
Heating-heat pump+900 W Elec Heat (max)		17.4	8.7
Heating-heat pump+1,800 W Elec Heat (max)		-	12.6

Table 14. Electrical - Circuit breakers

Circuit breakers			115V	208V	230V	240V
Heat Pump Only	MCA	A	12	7	6	6
	MOCP		25	15	15	15
Heat Pump + 900 W Elec Heat	MCA	A	22	13	14	14
	MOCP		30	15	15	15
Heat Pump + 1,800W Elec Heat	MCA	A	-	20	20	20
	MOCP		-	30	30	30

6.6.2 Motors

Table 15. Electrical - Motors

Motors			115V	208V	230V	240V
Compressor	RLA	A	7.9	4.3	3.9	3.7
	LRA		7.9	4.3	3.9	3.7
Indoor ECM fan motor	Watts (max)	W	50	50	50	50
	FLA	A	0.4	0.33	0.3	0.29
	Power	HP	0.07	0.07	0.07	0.07
Outdoor ECM fan motor	Watts (max)	W	90	90	90	90
	FLA	A	0.8	0.44	0.4	0.38
	Power	HP	0.12	0.12	0.12	0.12

6.6.3 LCDI Power Cords

Table 16. Electrical - LCDI Power cords

LCDI Power Cord		115V	230V
Heat Pump Only	Amps	15	15
	Length	89"	
	Plug Type	5-15P	6-15P
Heat Pump + 900kW Elec Heat	Amps	-	15
	Length	89"	

LCDI Power Cord		115V	230V
	Plug Type	-	6-20P
Heat Pump +1,800kW Elec Heat	Amps	-	20
	Length	89"	
	Plug Type	-	6-20P

For units requiring a breaker size above 20 A, a quick-connect whip cord is available as an accessory (60" (1524 mm) length).

6.6.4 Operating limits

Table 17. Operating limits

		Room T	External T
Cooling Mode	Max Temp	95°F (35°C)	115°F (46.1°C)
	Min Temp	64°F (17.8°C)	23°F (-5°C)
Heating Mode	Max Temp	81°F (27.2°C)	77°F (25°C)
	Min Temp	41°F (5°C)	5°F (-15°C) [-13°F (-25°C) with electric heat]

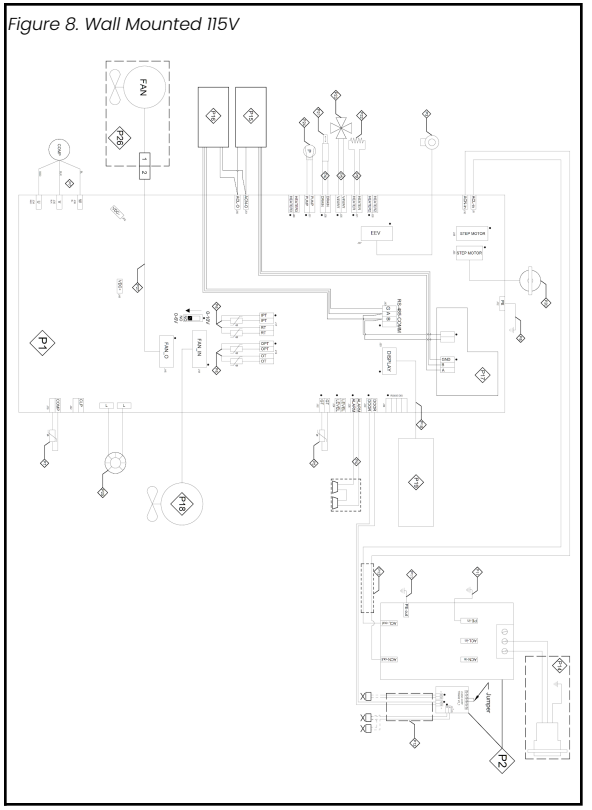
7. WIRING DIAGRAM

7.1 AIO® Wall Mounted 115V wiring diagram

To view the diagram as a high-resolution PDF, click the link below:

AIO Wall Mounted 115V Heat Pump only Wiring Dia...

Figure 8. Wall Mounted 115V

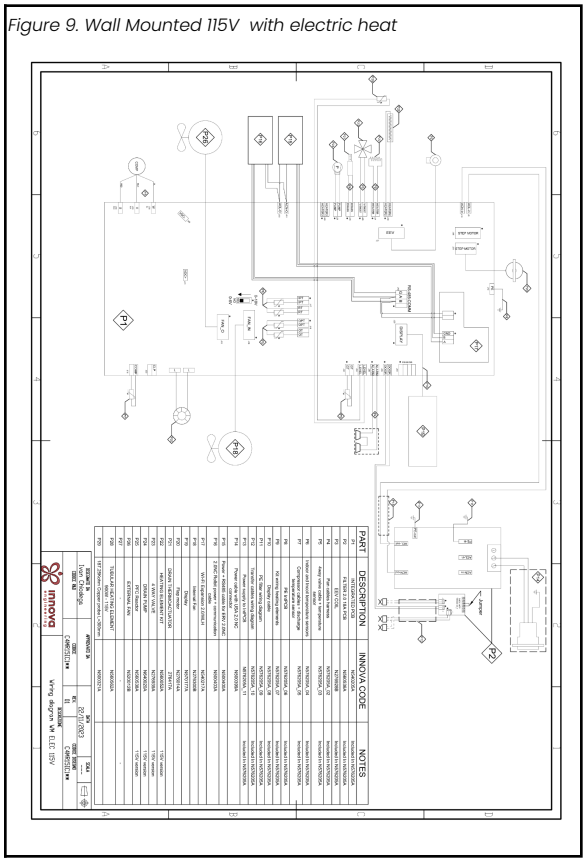


7.2 AIO® Wall Mounted 115V with resistance heat strips wiring diagram

To view the diagram as a high-resolution PDF, click the link below:

AIO Wall Mounted 115V with Electric Heat Wiring Di...

Figure 9. Wall Mounted 115V with electric heat

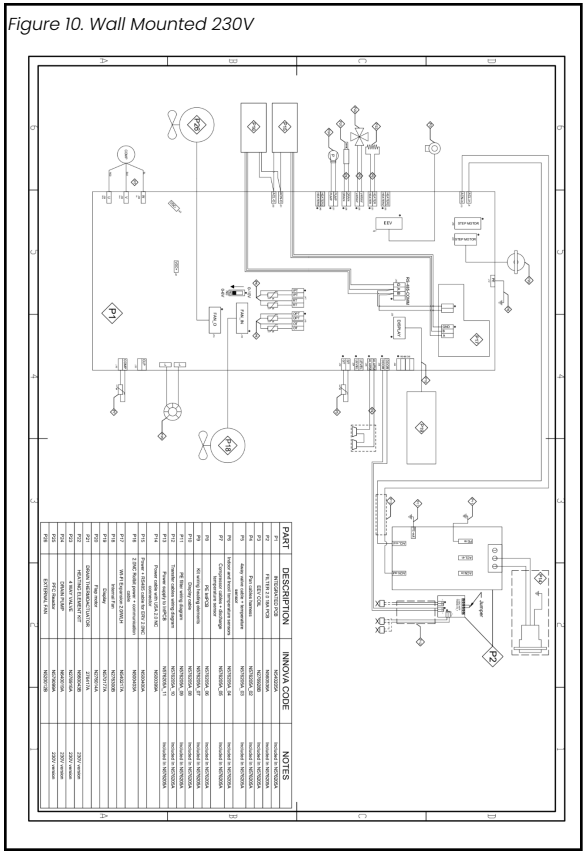


7.3 AIO® Wall Mounted 230V wiring diagram

To view the diagram as a high-resolution PDF, click the link below:

AIO Wall Mounted 230V Heat Pump Only Wiring Di...

Figure 10. Wall Mounted 230V



7.4 AIO® Wall Mounted 230V with resistance heat strips wiring diagram

To view the diagram as a high-resolution PDF, click the link below:

AIO Wall Mounted 230V with electric heat (V 5.0)....

Figure 11. Wall Mounted 230V with electric resistance heat

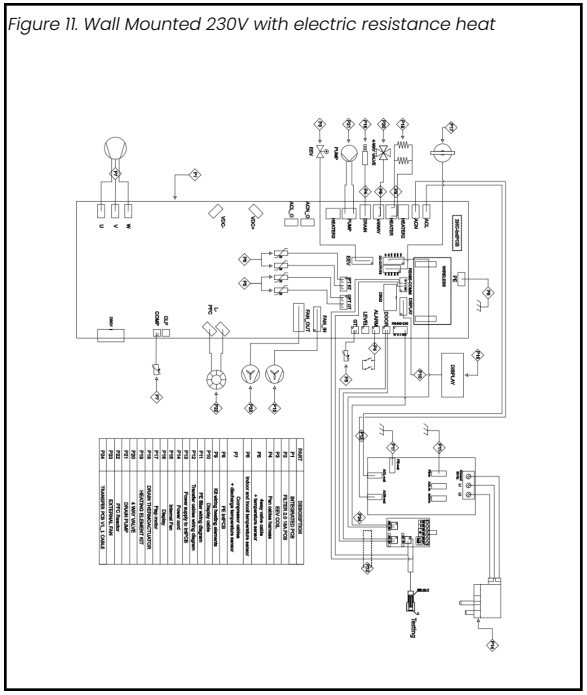


Table 18: Wiring Diagram - Electrical heat parts

Electric Heat Parts		
P7	Description	Compressor cables + discharge temperature sensor
	INNOVA Code	N576205A_05
	Note	Included in N576205A
P8	Description	PE IntPCB
	INNOVA Code	N576205A_06
	Note	Included in N576205A
P9	Description	Kit wiring heating elements
	INNOVA Code	N576205A_07
	Note	Included in N576205A
P10	Description	Display cable
	INNOVA Code	N576205A_08
	Note	Included in N576205A
P11	Description	PE filter wiring diagram
	INNOVA Code	N576205A_09
	Note	Included in N576205A
P12	Description	Transfer cables wiring diagram
	INNOVA Code	N576205A._10
	Note	Included in N576205A
P13	Description	Power supply to IntPCB
	INNOVA Code	N576205A_11
	Note	Included in N576205A
P14	Description	Power cable with USA 2.0 NC connector
	INNOVA Code	N500399A
P15	Description	Power supply to IntPCB
	INNOVA Code	N500400A

Electric Heat Parts		
P16	Description	Power + R$485 cable for ERV 2.0NC
	INNOVA Code	N500403A
P17	Description	WI-FI Expansion 2.0/WLH
	INNOVA Code	N540217A
P18	Description	Internal Fan
	INNOVA Code	N276300B
P19	Description	Display
	INNOVA Code	N570177A
P20	Description	Flap motor
	INNOVA Code	N276300B

Electric Heat Parts		
P21	Description	Drain thermo actuator
	INNOVA Code	N276417A
P22	Description	Heating element kit
	INNOVA Code	N560043B
	Note	230V version
P23	Description	4-way valve
	INNOVA Code	N276916A
	Note	230V version
P24	Description	Drain pump
	INNOVA Code	N640019A
	Note	230V version
P25	Description	PFC Reactor
	INNOVA Code	N579099A
	Note	230V version
P26	Description	External mixed flow fan
	INNOVA Code	N520227A
P27	Description	External fan cable from IntPCB to base
	INNOVA Code	N500398A
P28	Description	Tubular heating element 2x900w-230V
	INNOVA Code	N560506A
P29	Description	187.25K ohm Copper probe L =300mm
	INNOVA Code	N500321A

8. DIMENSIONS

To view the dimensions of the AIO® Wall Mounted unit as a high-resolution PDF, click the link below:

AIO Wall Mounted Standard Gen 2 and 3 Dimensi...

Figure 12. Dimensions (top view)

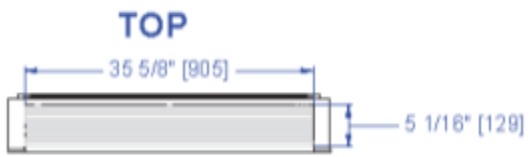


Figure 13. Dimensions (left view)



Figure 14. Dimensions (front view)

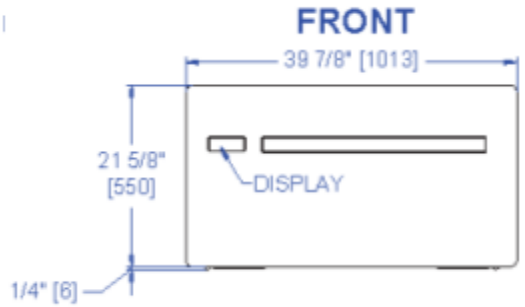


Figure 15. Dimensions (right view)

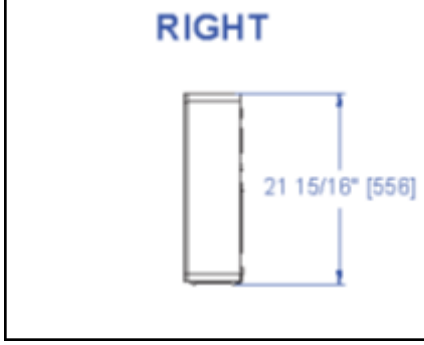


Figure 16. Dimensions (bottom view)

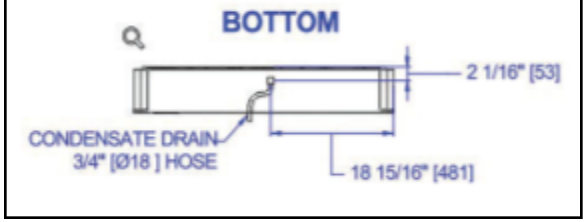


Figure 17. Dimensions (rear view)

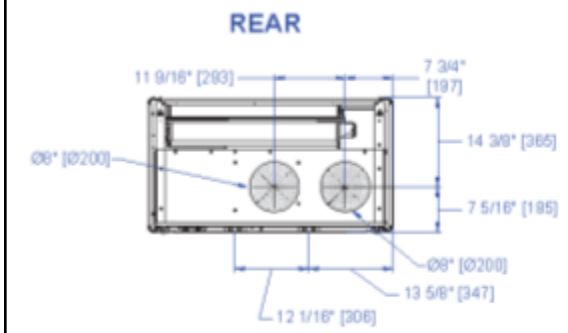
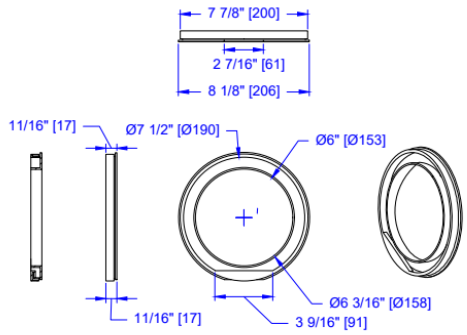


Figure 18. Gasket Accessory (reducer from 8" to 6") - RN300270A



Special-Production (SP) AIO® Wall Mounted units have 6" vents.

9. WARRANTY

9.1 Basic Coverage

- **Parts:** 5 years from delivery.
- **Compressor:** 10 years from delivery.
- **Labor:** 2 years from certification (only if at least 10 units are installed, the site is certified by INNOVA or self-certified, and spare stock equal to 3% of total units is maintained)
- **Controllers:** Covered under a 2-year warranty.

9.2 Optional Extended Coverage

- **Additional 2-Year Parts & Labor Warranty:** Extends the basic coverage to 4 years of labor and 7 years of parts.
- **Extended 10-Year Parts Warranty:** Extends parts coverage to 10 years total.
- **Extended 5-Year Full Warranty:** Extends full parts and labor coverage to 5 years total.
- **Extended 10-Year Full Warranty:** Provides a 10-year full warranty on parts, labor, and the compressor.
- **Extended 15-Year Full Warranty:** Provides a 15-year full warranty on parts, labor, and the compressor.

9.3 Validation requirements

- Installation must be certified by an INNOVA technician or self-certified within 30 days.
- Installers must complete INNOVA training.
- The system must comply with local codes, use approved louvers, and be properly maintained (e.g., clean filters monthly, coils every 18 months).

For warranty service or claims, contact INNOVA Support at vip@innova.co or (212) 204-2700.

For detailed terms and conditions, click the link below:

AIO Warranty Terms and Conditions - 2026 - INN...

With over 20 years of experience in the climate comfort sector, we have a clear goal: growth through innovation. Our team is laser-focused on the conception, development, and production of innovative heating, ventilation, and air conditioning solutions. This mission has developed through bringing together technical skills, creativity, technology, design, Italian passion, and a global vision to achieve the best energy efficiency and performance.

innova.co | **USA:** 216-710-1000 **Canada:** 416-739-1000

MADE IN ITALY

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Revised September 23, 2026

AIO® Wall Mounted (Gen 3) **Product Data Sheet**