



# AIO® Wall Mounted (Gen 2)

## Product Data Sheet



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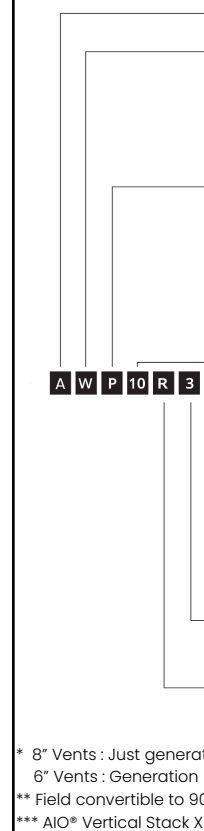
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ETL Listed. Control Number: 5032306. Conforms to: UL 60335-2-40:2022 Ed.4 | CSA C22.2#60335-2-40:2022 Ed.4 | UL 60335-1:2016 Ed.6 | CSA C22.2#60335-1:2016 Ed.2

## MODEL NUMBER

The code identifies the product's voltage, accessories, and other features. See the diagram below for more details.

Figure 1. AIO® Model Numbering



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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 2) 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.



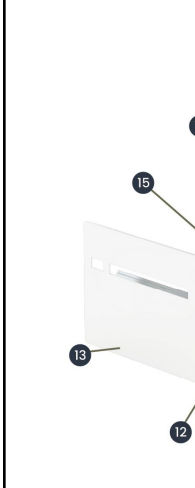
Indicates supplemental information, tips, or useful background information.

## 2. AIO® WALL MOUNTED (GEN 2) OVERVIEW

AIO® wall-mounted units are slim and sleek. The wall-mounted 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. Wall-mounted 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

Figure 2. AIO® Wall Mo



|   |                                        |
|---|----------------------------------------|
| 1 | Return air grille                      |
| 2 | Washable filter                        |
| 3 | High-efficiency indoor heat exchanger  |
| 4 | ECM tangential supply fan              |
| 5 | Supply air louver                      |
| 6 | Side panel                             |
| 7 | BLDC inverter compressor               |
| 8 | Black electrical cover                 |
| 9 | Outdoor high-efficiency heat exchanger |

## 2.2 Key Features

### No outdoor unit

The single package design means no outdoor unit, freeing up space on rooftops and at ground level and enabling installations in buildings without space for an outdoor unit.

### BLDC twin rotary inverter compressor

The state-of-the-art, twin-rotor Brushless DC (BLDC) inverter compressor operates efficiently, quietly, and with minimal vibration. The AIO® unit is ideal for any room or area that requires between 4,000 and 10,500 BTU.

### High-efficiency Electronically Commutated Motor (ECM) fans with automatic External Static Pressure (ESP) adjustment

High-efficiency ECM fans enable efficient and quiet operation as the EC motor can ramp up or down depending on the need. Automatically adjusted external static pressure ensures correct airflow.

### Cold climate heat pump

The heat pump efficiently functions in temperatures as low as 5°F (-15°C) outdoors.

### Optional Energy Recovery Ventilator (ERV) Module

The optional ERV module enables make-up/fresh air in the most efficient method possible.

### Optional 1,800-Watt electric heat

The optional electric heating system operates alongside the heat pump when the latter lacks adequate power. This electric heating setup consists of two 900W heaters, strategically staged to optimize efficiency while minimizing the consumption of electric heat. The unit offers configuration options for electric heat usage: it can be set to use no electric heat, 900W electric heat, or 1,800W electric heat, providing flexibility and energy management capabilities.

### Intelligent defrosting

The AIO® unit's intelligent defrosting system means more time heating and less time on reverse cycle defrost.

### Coil cooling system

The condensate mist system drizzles the condensate on the outdoor heat exchanger coils, lowering the coil's temperature and increasing efficiency and performance.

### Quiet

With whisper-quiet operation as low as 27 decibels, the occupant will barely notice that the AIO® unit is operating.

### No outside noise infiltration

The AIO® unit has the lowest Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC) rating among comparable units. This means less outside noise intrudes into the room day and night.

### Versatile on/off options

The AIO® unit supports integration with dry contact devices (voltage-free switch inputs used to control the unit's operation). These may include occupancy sensors, open-window switches, on/off remotes, or other compatible control systems. When used, these devices can automatically activate or deactivate the unit as needed.

### Minimal clearances and compact footprint

The AIO® unit'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 3 to 4 inches (76.2 to 101.6 mm) of 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 be shut off, preventing water damage.

### Easy to service

The AIO® unit can be accessed from the front and bottom to remove the unit. The unit can also be quickly replaced, reducing downtime.

### Versatile controls

The AIO® unit includes a built-in Wi-Fi module and can also be controlled via a mobile app module using the AIO® app for iOS or Android. The unit is also compatible with wall-mounted controls. It includes a 7-day program and can be controlled via an optional Third-Party Modbus module or a BACnet management system.

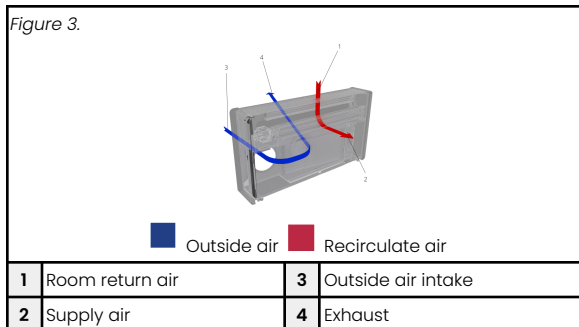
## 3. AIRFLOW

### 3.1 Airflow Operation

- **Supply air**  
The supply air is through an electronically controlled louver that can be set at any angle or to continuously oscillate.
- **Return air**  
The return air is on the top through the integrated return air grille and filter.
- **Outside air intake**  
The 8-inch (203.2 mm) outside air intake connection (adaptable to 6-inch [152.4 mm]) works with any of the approved or custom louvers/as long as they comply with the minimum requirements. See [INSTALLATION REQUIREMENTS](#).
- **Outside air exhaust**  
The 8-inch (203.2 mm) round outside air exhaust connection (adaptable to 6-inch [152.4 mm]) works with any of the approved or custom louvers/as long as they comply with the minimum requirements. See [INSTALLATION REQUIREMENTS](#).
- **Sidewall Adapter (Optional)**  
In addition to the typical twin external vents, the AIO® Wall Mounted can attach to a sidewall adapter, enabling mounting on a wall perpendicular to the outside

### 3.2 Airflow Diagram

Figure 3.



## 4. INSTALLATION REQUIREMENTS

Figure 4.



### 4.1 Low Ambient Heating Configuration Requirement

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

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

This setting shifts the unit to electric resistance heating during low ambient conditions, preventing heat pump operation that may 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.

Use of a drain line heater is standard industry practice and is 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 complete specification for details.

- Where practical, the location exposed to direct sunlight may cause the unit to detect a temperature rise in the room temperature. In low ambient temperature operation, reduced efficiency may be decreased energy consumption.
- The power supply must be in accordance with the applicable code (ANSI/NFPA 70).



- 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.
- If the unit must be operated during construction or renovation, the air filters and accessible coil surfaces must be inspected and cleaned daily before operation.
- Failure to perform daily cleaning during construction use may result in damage and will void the warranty.

- 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)
- 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:
  - The line must be properly insulated.
  - The line must have a minimum slope of 2%.
  - We strongly recommend that you use a heat trace wire on the line.

## 4.4 Louver Specifications

The AIO® unit Wall Mounted units can be vented through all kinds of custom and creative solutions. The

possibilities are endless, from perforated panels to custom louvers.

There are two critical factors in selecting and sizing a solution that will work with the AIO® unit Wall Mounted units.

- **Free area:** This area on a louver/grille is open for the air to flow through. The louver, perforated panel, or other solution must have at least the amount of free area as required in the specifications below in the plenum from the unit, so that ample air can enter and exit the condenser chamber. A more restrictive solution with a smaller free area can be utilized by enlarging the louver and plenum until the required free area is achieved.

**The minimum required free area is .21 square feet (0.02 m<sup>2</sup>) for the intake vent and .21 square feet (0.02 m<sup>2</sup>) for the exhaust vent.**

- **Pressure drop:** Pressure drop is the resistance the louver/grille creates against the airflow. This resistance can create heat build-up inside the condenser portion, causing the compressor to overheat and shut down. A solution with a higher pressure drop than specified can be utilized by enlarging the louver and plenum until the pressure drop is within specification.

The maximum total pressure for the intake and exhaust louvers combined must be under 0.25" WC (62.3 Pa)

Any louver must meet these requirements, as exceeding these limits can cause the unit to overheat and fail, and void the warranty.

The following louvers are approved for the AIO® unit Wall Mounted:

- **Sunvent:** LLA/C, LLA/F, LLA/S – available through your INNOVA distributor.
- **Therma duct:** RLA8 – available through your INNOVA distributor.

## 4.5 Clearance Requirements

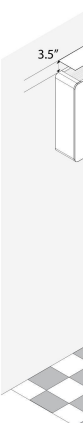
The AIO® unit Wall mounted unit's clearance will depend on how it is mounted. Please carefully read the criteria below to determine the correct clearance required.

- **Top – low wall mounted**  
There must be 3.5" (88.9 mm) minimum clearance to any surface above, such as a shelf, etc. This is needed for the return airflow. 8" (203.2 mm) of clearance is recommended for ease in changing the filter and servicing the unit.
- **Top – high wall mounted**  
There must be 3.5" (88.9 mm) minimum clearance from the ceiling. This is needed for the return airflow. 8" (203.2 mm) of clearance is recommended for ease in changing the filter and servicing the unit.
- **Bottom**  
There must be a minimum of 3" (76.2 mm) from

the floor to eliminate debris and allow the

- **Sides**  
The AIO® unit must have a minimum of 1" (25.4 mm) clearance from the wall on either side during operation. If the wall is less than 1" (25.4 mm) from the unit, any noise from the unit will be amplified (25.4 mm) on the side of the unit, removing and
- **Front**  
Ensure that no material is within 1" (25.4 mm) of the unit. The supply air will inhibit the unit from operating correctly.
- **Rear**  
The rear of the unit must be 3" (76.2 mm) from the wall, with no gaps. Gaps allow outdoor air to enter the unit, cycling and in the unit they must be
- **Exterior**  
On the exterior, there must be no obstacles blocking the unit. There must be a minimum of 36" (914.4 mm) clear space in

Figure 5.



## 5. ERV, CONTROLLER, AND HEAT TRACE WIRE CONNECTIONS

The AIO® unit Wall Mounted unit offers a group of connections located at the bottom-right corner on the back of the unit (as viewed when facing the mounted unit) to enable quick and easy connection to accessories and components.

### Controller Gateways

This includes power and communication ports to connect the Third Party Gateway, Advanced Touch Controller, Basic Touch Controller, BACnet, Modbus, and other controllers.

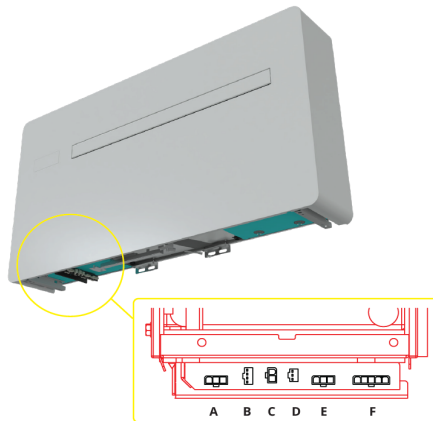
### Heat Trace Power

When installing a condensate line that is draining directly outside in cold climates, we highly recommend using a heat trace line.

### ERV

When connecting the AIO® unit ERV for Wall Mounted, these ports allow quick connections to the power and communications for the ERV.

Figure 6.



|          |                                                   |          |                            |
|----------|---------------------------------------------------|----------|----------------------------|
| <b>A</b> | Power supply for Controller Gateway               | <b>D</b> | Communication port for ERV |
| <b>B</b> | Communication port for Controller Gateway         | <b>E</b> | Power for ERV/Nebulizer    |
| <b>C</b> | Power for heat trace on condensate line/Nebulizer | <b>F</b> | Not used                   |

## 6. TECHNICAL SPECIFICATIONS

### 6.1 Cooling and heating

#### 6.1.1 Cooling

Table 1: Performance - Cooling mode

| Heat Pump only   |              |        | 95°F<br>(35°C)<br>(1) | 105°F<br>(40.6°C)<br>(2) | 115°F<br>(46.1°C)<br>(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        |        | 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: Performance - Heating mode

| Heat Pump only |              |
|----------------|--------------|
| Capacity       | Maximum      |
|                | Recommended* |
|                | Rated        |
|                | Minimum      |
| Input Power    | Maximum      |
|                | Recommended* |
|                | Rated        |
|                | Minimum      |
| Efficiency     | Maximum      |
|                | Recommended* |
|                | Rated        |
|                | Minimum      |
|                | Seasonal     |

#### Notes

- (1) ID: 70°F(21.1°C), W.B. 67°F(19.4°C)  
 (2) ID: 70°F(21.1°C), W.B. 67°F(19.4°C)  
 (3) ID: 70°F(21.1°C), W.B. 67°F(19.4°C)  
 (4) ID: 70°F(21.1°C), W.B. 67°F(19.4°C)  
 (5) ID: 70°F(21.1°C), W.B. 67°F(19.4°C)  
 \* This is the recommended capacity for sizing the unit to the space.



Option  
additional  
capacity

6.2 Airflow

6.2.1 Indoor

Table 3: Airflow – Indoor

| Air volume |                   |                      |
|------------|-------------------|----------------------|
| Indoor     | Type              | ECM centrifugal      |
|            | CFM               | 175 – 270            |
|            | m³/hr             | 300 – 450            |
|            | Available ESP     | –                    |
|            | Supply connection | Integrated           |
|            | Return connection | Integrated           |
|            | Speeds            | Low, med, high, auto |
|            | Filter            | MERV 3               |

6.2.2 Outdoor

Table 4: Airflow – Outdoor

| Supply air volume |                               |                 |                                                                                                              |
|-------------------|-------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------|
| Outdoor           | Type                          | ECM centrifugal |                                                                                                              |
|                   | Flow                          | CFM             | 235 – 325                                                                                                    |
|                   |                               | m³/hr           | 400 – 550                                                                                                    |
|                   | Available ESP                 |                 | 0.25" WC (62.3 Pa)                                                                                           |
|                   | Intake and exhaust connection |                 | For units produced before January, 2025: 6" (152.4 mm) round                                                 |
|                   |                               |                 | For units produced from January, 2025: 8" (203.2 mm) round (can be reduced to 6" (152.4 mm) with an adapter) |

6.3 Sound

Table 5: Sound

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

6.4 General

6.4.1 Controls

Table 6: General – Controls

| Controls            |                           |
|---------------------|---------------------------|
| Basic functionality | Dependent on controller   |
| WiFi                | Optional module available |
| Dry contact         | Yes                       |

6.4.2 Modes

Table 7: General – Modes

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

6.4.3 Condensate

Table 8: General – Condensate

| Condensate    |                                 |
|---------------|---------------------------------|
| Pipe size     | 3/4" (19.1 mm) Outside diameter |
| Pipe material | Rubber                          |

6.4.4 Physical

 For detailed drawing

Table 9: General – Physical

| Physical data |          |
|---------------|----------|
| Dimensions    | Net      |
| Weight        | Net      |
|               | Gross    |
| Cabinet       | Finish   |
|               | Material |

6.4.5 Compressor

Table 10: General – Compressor

| Compressor  |
|-------------|
| Type        |
| Refrigerant |
|             |
| Oil Type    |

## 6.5 Electrical

### 6.5.1 General

Table 11: Electrical - General

| Physical data                             |   | 115V                                                      | 230V    |
|-------------------------------------------|---|-----------------------------------------------------------|---------|
| Volt range                                |   | 103-127                                                   | 180-253 |
| Hz/phase                                  |   | 60 Hz/single phase                                        |         |
| Power supply                              |   | 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     |
| <b>Heat Pump Only</b>                     |   |                                                           |         |
| Heating-heat pump only (nom.)             | A | 5.1                                                       | 2.6     |
| Heating-heat pump only (max)              |   | 9.6                                                       | 4.8     |
| <b>Heat Pump + Elec Heat</b>              |   |                                                           |         |
| Heating-heat pump+ Elec Heat (nom.)       |   | 5.1                                                       | 2.6     |
| Heating-heat pump+900 W Elec Heat (max)   | A | 17.4                                                      | 8.7     |
| Heating-heat pump+1,800 W Elec Heat (max) |   | -                                                         | 12.6    |

Table 12: Electrical - Circuit breakers

| Circuit breakers           |                          | 115V | 230V |
|----------------------------|--------------------------|------|------|
| Heat Pump Only             | MCA                      | 12   | 6    |
|                            | Recommended breaker size | 15   | 15   |
|                            | MOCP                     | 25   | 15   |
| Heat Pump+900 W Elec Heat  | MCA                      | 22   | 14   |
|                            | Recommended breaker size | 30   | 15   |
|                            | MOCP                     | 30   | 15   |
| Heat Pump+1800 W Elec Heat | MCA                      | -    | 20   |
|                            | Recommended breaker size | -    | 20   |
|                            | MOCP                     | -    | 30   |

### 6.5.2 Motors

Table 13: Electrical - Motors

| Motors                |             |    | 115V | 230V |
|-----------------------|-------------|----|------|------|
| Compressor            | RLA         | A  | 7.9  | 3.9  |
|                       | LRA         |    | 7.9  | 3.9  |
| Indoor ECM fan motor  | Watts (max) | W  | 50   | 50   |
|                       | FLA         | A  | 0.4  | 0.3  |
|                       | Power       | HP | 0.07 | 0.07 |
| Outdoor ECM fan motor | Watts (max) | W  | 90   | 90   |
|                       | FLA         | A  | 0.8  | 0.4  |
|                       | Power       | HP | 0.12 | 0.12 |



In accordance with UL 60335-2-40, motor compressor ratings for Rated Load Amps (RLA) and Locked Rotor Amps (LRA) are determined according to Annex 101.DVB. For motor-compressors controlled by an adjustable speed drive, RLA and LRA shall be replaced with the rated input current of the power conversion equipment.

### 6.5.3 LCDI Power cords

Table 14: Electrical - LCDI Power cords

| LCDI Power Cord            |           | 115V  | 230V  |
|----------------------------|-----------|-------|-------|
| Heat Pump Only             | Amps      | 20    | 15    |
|                            | Length    | 89"   |       |
|                            | Plug Type | 5-15P | 6-15P |
| Heat Pump+900 W Elec Heat  | Amps      | -     | 15    |
|                            | Length    | 89"   |       |
|                            | Plug Type | -     | 6-20P |
| Heat Pump+1800 W Elec Heat | Amps      | -     | 20    |
|                            | Length    | 89"   |       |
|                            | Plug Type | -     | 6-20P |



LCDI cord is not available above 20 A.



For uni  
20 A, a  
availab  
lengths

### 6.5.4 Operating limits

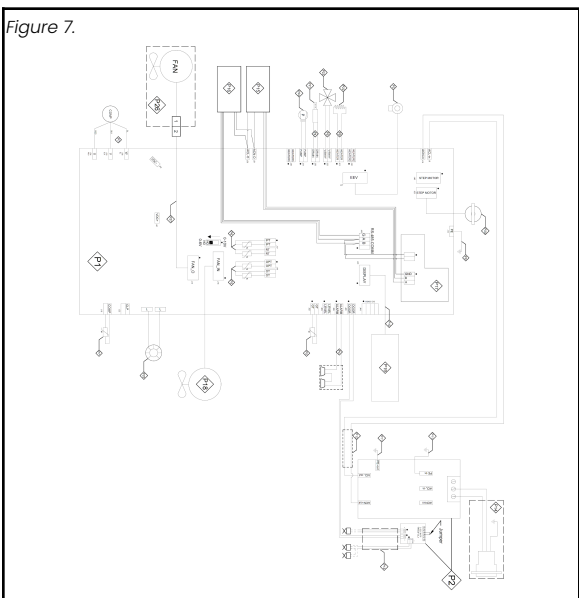
|              |          |  |
|--------------|----------|--|
| Cooling Mode | Max Temp |  |
|              | Min Temp |  |
| Heating Mode | Max Temp |  |
|              | Min Temp |  |

## 7. WIRING DIAGRAM

## 7.1 AIO® Wall Mounted 115V Wiring Diagram

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

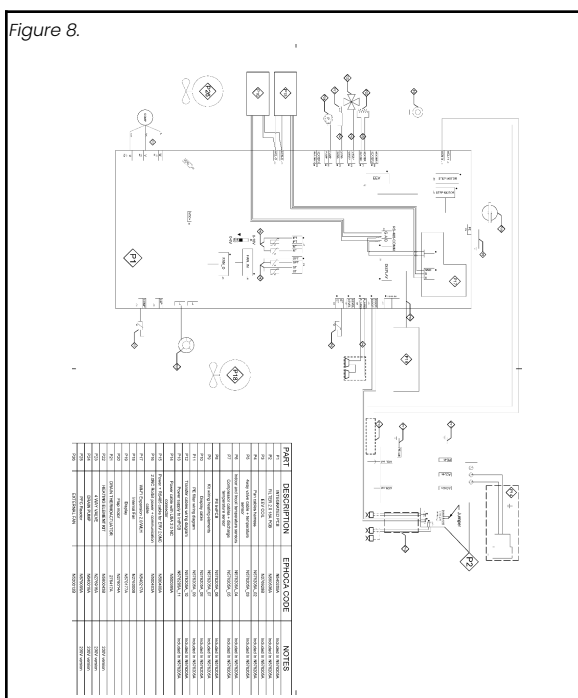
 AIO Wall Mounted 115V Heat Pump only Wiring Dia...



## 7.2 AIO® Wall Mounted 230V Wiring Diagram

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

 AIO Wall Mounted 230V Wiring Diagram.pdf



### 7.3 AIO® Wall Strip Wiring D

To view the diagram  
link below:

PDF AIO Wall Mount

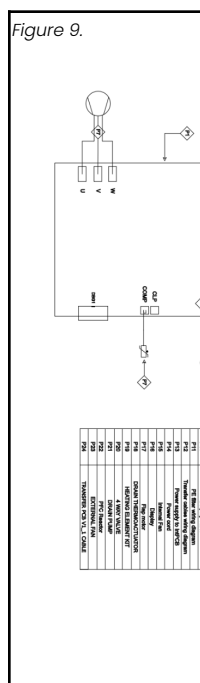


Table 15: Wiring diagram – Electric heat parts

| Electric Heat Parts |             | 230V                                             |
|---------------------|-------------|--------------------------------------------------|
| 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                             |

8. DIMENSIONS

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

[PDF AIO Wall Mounted Standard Gen 2 and 3 Dimensi...](#)

Figure 10. Wall Mounted Standard Gen ¾ Dimensions

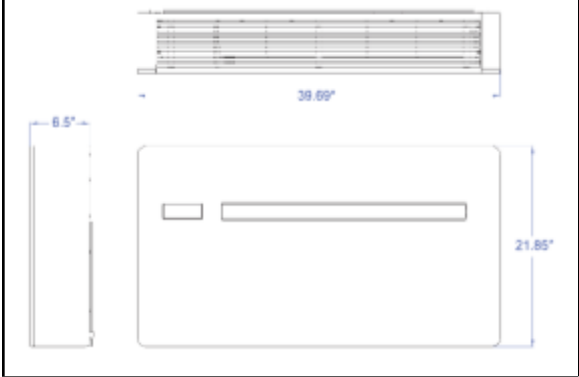


Figure 11. Wall Mounted Standard Gen ¾ Dimensions

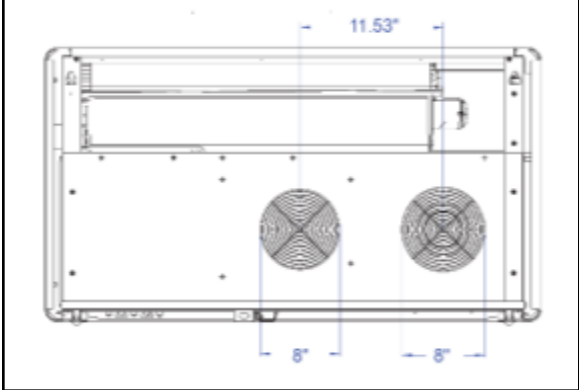


Figure 12. Dimensions (top view)

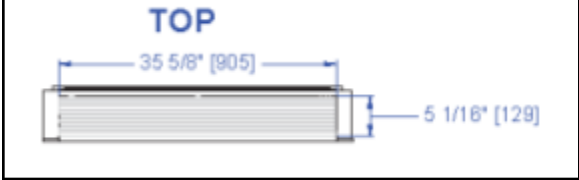


Figure 13. Dimensions

Figure 14. Dimensions

Figure 15. Dimensions

Figure 16. Dimensions (bottom view)

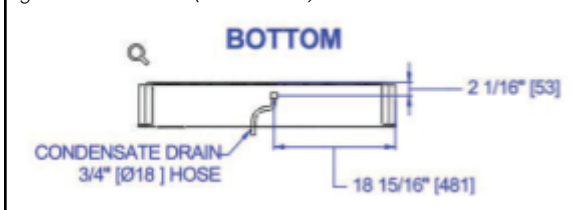
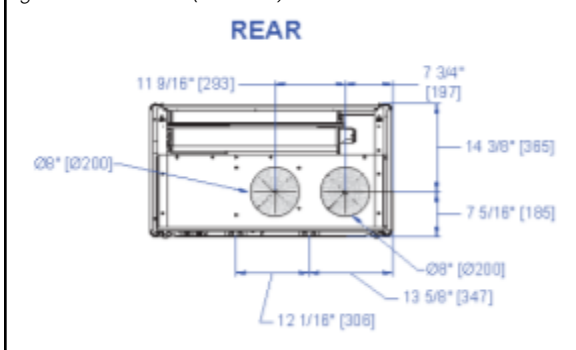


Figure 17. Dimensions (rear view)



## 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 labor and 7 years 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 compressor.
- **Extended 15-Year Full Warranty:** Provides a 15-year full warranty on parts, labor, and 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](mailto:vip@innova.co) or [\(212\) 204-2700](tel:2122042700).

For detailed terms and conditions, click the link below:

[AIO Warranty Terms and Conditions - 2026 - INN...](#)

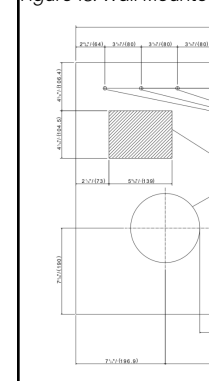
## 10. WALL MOUNTED UNIT TEMPLATE

### 10.1 6" Vent Mount

To view the mount template for the 6" Vent Mounted unit (with 6" vent), click the link below:

[PDF AIO Wall Mount](#)

Figure 18. Wall Mount Template for 6" Vent Mount

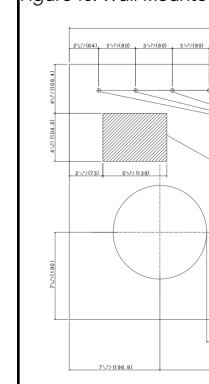


### 10.2 8" Vent Mount

To view the mount template for the 8" Vent Mounted unit as a wall mount, click the link below:

[PDF AIO Wall Mount](#)

Figure 19. Wall Mount Template for 8" Vent Mount



## 11. SUBMITTALS

### 11.1 115V Heat pump only

AIO® WALL MOUNTED -115V - NO ELECTRIC HEAT STRIP - R32 -SUBMITTAL (AWP10N3H1)

| Job          | References   | Construction   |
|--------------|--------------|----------------|
| Location     | Approval     | Quote Number   |
| Engineer     | Date         | Drawing Number |
| Submitted to | Submitted By | P.O Number     |

#### General Features

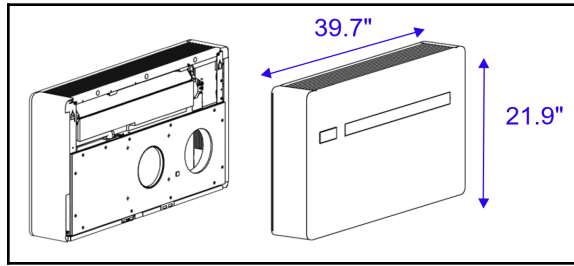
- BLDC inverter compressor
- ECM fans
- R32 Refrigerant
- Auto restart
- Intelligent defrost
- No outdoor unit
- Condensate disbursement systems
- Onboard touch controller
- Optional add-on ERV
- Washable filter
- Electronically controlled air louver
- Compact, slim design
- 3 selectable fan speeds + Auto
- 10-Year limited warranty (after certification)
- Made in Italy



The installing contractor must contact INNOVA Customer Technical Support prior to installation to schedule an installation training overview.

This may be conducted in person or remotely (online). It is the official installation training and may include videos, best practices, and system requirements.

Performing installations without training may result in installation errors, performance issues, and possible warranty limitations.



#### Performance Specifications

|                             |        |           |
|-----------------------------|--------|-----------|
| Cooling Capacity            | BTU/hr | 7,400     |
| SEER2                       |        | 13.65     |
| Rev. Cycle Heating Capacity | BTU/hr | 7,400     |
| HSPF2                       |        | 7.01      |
| Circulation                 | CFM    | 160-290   |
|                             | m³/hr  | 272 - 493 |
| Dehumidification            | Pts/h  | 1.9       |
|                             | L/hr   | 0.9       |

#### Electric Specifications

|                                    |               |
|------------------------------------|---------------|
| Power Supply (V/Ph/Hz)             | 115V/1Ph/60Hz |
| Voltage Range                      | 103 - 127     |
| Running Amps Cooling               | 7.7           |
| Max Amps Cooling                   | 9.6           |
| Running Amps Heating               | 6.3           |
| Max Amps Heating                   | 10.4          |
| MCA                                | 13            |
| Maximum Overcurrent Protection (A) | 25            |
| Recommend breaker size             | 15            |
| Max Power Input (watts) Cooling:   | 1,630         |
| Max Power Input (watts) Heating    | 1,630         |

| Included                 | Wall Control                           |
|--------------------------|----------------------------------------|
| <input type="checkbox"/> | Wireless Remote                        |
| <input type="checkbox"/> | Basic Touchpad                         |
| <input type="checkbox"/> | Recessed Touchpad                      |
| <input type="checkbox"/> | Advanced Touchpad program              |
| <input type="checkbox"/> | Wireless (AA) with 7-Day program       |
| <input type="checkbox"/> | Third Party App                        |
| <input type="checkbox"/> | WiFi App                               |
| <input type="checkbox"/> | E-Paper EOS                            |
| <input type="checkbox"/> | Simple EOS                             |
| <input type="checkbox"/> | Integration of MODBUS and MODBUS       |
| <input type="checkbox"/> | Integration of MODBUS, BA, thermostats |

| Included                 | LCDI Power   |
|--------------------------|--------------|
| <input type="checkbox"/> | 72 in. (182) |

11.2 230V Heat pump only

AIO® WALL MOUNTED – 230V – NO ELECTRIC HEAT STRIP – R32 –SUBMITTAL (AWP10N3H2)

|              |              |                |
|--------------|--------------|----------------|
| Job          | References   | Construction   |
| Location     | Approval     | Quote Number   |
| Engineer     | Date         | Drawing Number |
| Submitted to | Submitted By | P.O Number     |

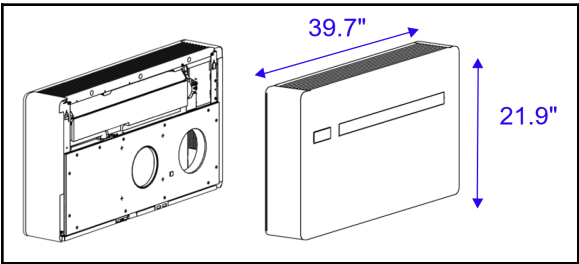
General Features

- BLDC inverter compressor
  - ECM fans
  - R32 Refrigerant
  - Auto restart
  - Intelligent defrost
  - No outdoor unit
  - Condensate disbursement systems
  - Onboard touch controller
- Optional add-on ERV
  - Washable filter
  - Electronically controlled air louver
  - Compact, slim design
  - 3 selectable fan speeds + Auto
  - 10-Year limited warranty (after certification)
  - Made in Italy

The installing contractor must contact INNOVA Customer Technical Support prior to installation to schedule an installation training overview.

This may be conducted in person or remotely (online). It is the official installation training and may include videos, best practices, and system requirements.

Performing installations without training may result in installation errors, performance issues, and possible warranty limitations.



| Performance Specifications  |        |           |
|-----------------------------|--------|-----------|
| Cooling Capacity            | BTU/hr | 7,400     |
| SEER2                       |        | 13.65     |
| Rev. Cycle Heating Capacity | BTU/hr | 7,400     |
| HSPF2                       |        | 7.01      |
| Circulation                 | CFM    | 160-290   |
|                             | m³/hr  | 272 - 493 |
| Dehumidification            | Pts/h  | 1.9       |
|                             | L/hr   | 0.9       |

| Electric Specifications            |               |
|------------------------------------|---------------|
| Power Supply                       | 230V/1Ph/60Hz |
| Voltage Range                      | 180 - 253     |
| Running Amps Cooling               | 3.4           |
| Max Amps Cooling                   | 4.8           |
| Running Amps Heating               | 2.9           |
| Max Amps Heating                   | 7.1           |
| MCA                                | 7             |
| Maximum Overcurrent Protection (A) | 15            |
| Recommend breaker size             | 15            |
| Max Power Input (watts) Cooling    | 1,800         |
| Max Power Input (watts) Heating    | 1,800         |

| Included                 | Wall Control                           |
|--------------------------|----------------------------------------|
| <input type="checkbox"/> | Wireless Remote                        |
| <input type="checkbox"/> | Basic Touchscreen                      |
| <input type="checkbox"/> | Recessed Touchscreen                   |
| <input type="checkbox"/> | Advanced Touchscreen program           |
| <input type="checkbox"/> | Wireless (AA) with 7-Day program       |
| <input type="checkbox"/> | Third Party Control                    |
| <input type="checkbox"/> | WiFi App                               |
| <input type="checkbox"/> | E-Paper EOS                            |
| <input type="checkbox"/> | Simple EOS                             |
| <input type="checkbox"/> | Integration of MODBUS and MODBUS       |
| <input type="checkbox"/> | Integration of MODBUS, BA, thermostats |

| Included                 | General Accessories |
|--------------------------|---------------------|
| <input type="checkbox"/> | ERV                 |
| <input type="checkbox"/> | Underbody           |
| <input type="checkbox"/> | Underbody           |
| <input type="checkbox"/> | LCDI Power          |
| <input type="checkbox"/> | Reducer Plate (mm)  |

## 11.3 230V Heat pump + elec heat

AIO® WALL MOUNTED – 230V – 900W/1800W ELECTRIC HEAT – R32 – SUBMITTAL (AWK10N3H2)

|              |              |                |
|--------------|--------------|----------------|
| Job          | References   | Construction   |
| Location     | Approval     | Quote Number   |
| Engineer     | Date         | Drawing Number |
| Submitted to | Submitted By | P.O Number     |

### General Features

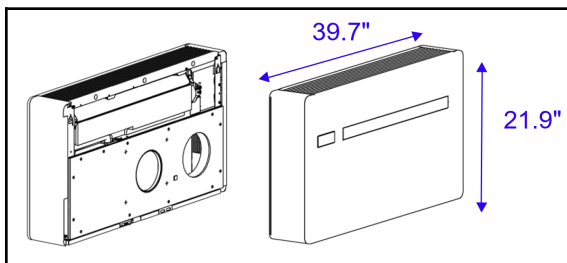
- BLDC inverter compressor
- ECM fans
- Field configured 1,800W Electric heat supplement, Staged as 900W + 900W
- Auto restart
- Intelligent defrost
- No outdoor unit
- Condensate disbursement systems
- Onboard touch controller
- Optional add-on ERV
- Washable filter
- Electronically controlled air louver
- Compact, slim design
- 3 selectable fan speeds + Auto
- 10-Year limited warranty (after certification)
- Made in Italy



The installing contractor must contact INNOVA Customer Technical Support prior to installation to schedule an installation training overview.

This may be conducted in person or remotely (online). It is the official installation training and may include videos, best practices, and system requirements.

Performing installations without training may result in installation errors, performance issues, and possible warranty limitations.



| Performance Specifications  |        | 900W      | 1,800W    |
|-----------------------------|--------|-----------|-----------|
| Cooling Capacity            | BTU/h  | 7,400     | 7,400     |
| SEER2                       |        | 13.65     | 13.65     |
| Rev. Cycle Heating Capacity | BTU/h  | 7,400     | 7,400     |
| Electric heat               |        | 3,070     | 6,140     |
| HSPF2                       |        | 7.01      | 7.01      |
| Circulation                 | CFM    | 160-290   | 160-290   |
|                             | m³/min | 4.5 - 8.2 | 4.5 - 8.2 |
| Dehumidification            | Pts/h  | 1.9       | 1.9       |
|                             | L/hr   | 0.9       | 0.9       |

| Electric Heat                      | 900W          | 1,800W        |
|------------------------------------|---------------|---------------|
| Power Supply                       | 230V/1Ph/60Hz | 230V/1Ph/60Hz |
| Voltage Range                      | 180 - 253     | 180 - 253     |
| Running Amps Cooling               | 3.4           | 3.4           |
| Max Amps Cooling                   | 4.8           | 4.8           |
| Running Amps Heating               | 6.8           | 10.7          |
| Max Amps Heating                   | 11.0          | 14.9          |
| MCA                                | 12            | 17            |
| Maximum Overcurrent Protection (A) | 20            | 20            |
| Recommend breaker size             | 15            | 20            |
| Max Power Input (watts) Cooling    | 1,800         | 1,800         |
| Max Power Input (watts) Heating    | 2,700         | 3,600         |

| Included                 | Wall Control                               |
|--------------------------|--------------------------------------------|
| <input type="checkbox"/> | Wireless Remote                            |
| <input type="checkbox"/> | Basic Touchscreen                          |
| <input type="checkbox"/> | Recessed Touchscreen                       |
| <input type="checkbox"/> | Advanced Touchscreen program               |
| <input type="checkbox"/> | Wireless (AA) with 7-Day program           |
| <input type="checkbox"/> | Third Party Control                        |
| <input type="checkbox"/> | WiFi App                                   |
| <input type="checkbox"/> | E-Paper EOS                                |
| <input type="checkbox"/> | Simple EOS                                 |
| <input type="checkbox"/> | Integration of MODBUS and MODBUS           |
| <input type="checkbox"/> | Integration of MODBUS, BACnet, thermostats |

| Included                 | General Accessories        |
|--------------------------|----------------------------|
| <input type="checkbox"/> | ERV                        |
| <input type="checkbox"/> | Underbody Mounting Bracket |
| <input type="checkbox"/> | Underbody Mounting Bracket |
| <input type="checkbox"/> | Reducer Plate (mm)         |

| Included                 | LCDI Power       |
|--------------------------|------------------|
| <input type="checkbox"/> | 72 in. (1829 mm) |



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](https://www.innova.co) | **USA:** 216-710-1000 **Canada:** 416-739-1000



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Revised August 19, 2026

AIO® Wall Mounted (Gen 2) **Product Data Sheet**