AIO® Wall Mounted (Gen 1)

Product Data Sheet



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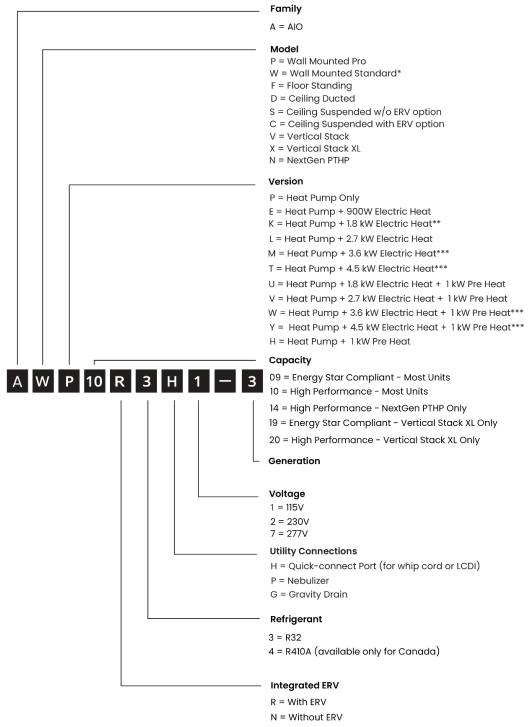
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MODEL NUMBER NOMENCLATURE

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 1) 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 WITH ERV OPTION (GEN 1) 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. Wall's powerful external ECM condenser fan sits inside the vent pipe or adapter.

2.1 Components and structure

Figure 2. AIO® Wall Mounted (Gen 1) components and structure



1	Return air grille	**10**	Drain pan heater
2	Washable filter	**11**	Disbursement pump
3	High-efficiency indoor heat exchanger	**12**	Insulation panel
4	ECM tangential supply fan	**13**	Decorative cover panel
5	Supply air louver	**14**	ECM centrifugal condenser fan
6	Side panel	**15**	Outdoor high-efficiency heat exchanger
7	BLDC inverter compressor	**16**	Touchscreen controller
8	Electrical protective cover	**17**	Outside air intake
9	Condensate drain pan		

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 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 ECM fans with auto ESP
High-efficiency ECM fans enable efficient, quiet operation because the EC motor can ramp up or down as needed. Automatically adjusted external static pressure ensures correct airflow.

Cold climate heat pump
The heat pump operates efficiently at temperatures as low as 5°F (-15°C) outdoors.

Optional 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 resistance heating system operates alongside the heat pump when the heat pump lacks sufficient power. This electric heating setup consists of two 900W heaters, staged to optimize efficiency and minimize electric heat consumption. 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 the AIO® unit is operating.

No outside noise infiltration
The AIO® unit has the lowest STC and OITC rating among comparable units. This means less outside noise intrudes into the room day and night.

Versatile on/off options
The AIO® unit's low-voltage connection enables connection to any occupancy system, key-card, window sensors, fire alarms, etc.; as long as it can send a signal to the AIO® unit via low voltage, the unit can be easily turned on or off.

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

Versatile controls
The AIO® unit includes an onboard touch controller and an optional iOS and Android app. The AIO® unit can be used with optional wall-mounted controllers, including a TFT with a 7-day program and third-party controllers from any company using the optional 3rd party kit. You can purchase an optional BACnet and Modbus module to enable interfacing with building management systems.

3. AIRFLOW

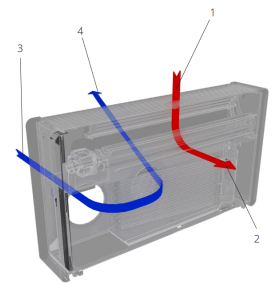
3.1 Airflow Operation

In addition to the typical twin external vents, the AIO® Wall Mounted unit can attach to a sidewall adapter, enabling mounting on a wall perpendicular to the outside.

- **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.
- **Outside air intake**
  The 8-inch (203.2 mm) adaptable to 6-inch (152.4 mm) outside air intake connection 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) adaptable to 6-inch (152.4 mm) round outside air exhaust connection works with any of the approved or custom louvers/as long as they comply with the minimum requirements. See INSTALLATION REQUIREMENTS.

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.



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. Turn on the unit.
2. Press and hold ☼ for 10 seconds until “Fh” appears on the display.
3. Press and hold ☼ for 5-10 seconds until “Fo” appears on the display.
4. Press and hold ☼ for 5-10 seconds until “rE” appears on the display.
5. Wait a few seconds (without pressing any buttons) to exit the menu.

rE = Resistance heat mode

This setting switches 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.

Abnormally low ambient temperatures 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.
- Interior clearances are as follows:
  - 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 of 2% slope.
  - It is highly recommended that you use a heat trace wire on the line.

4.4 Louver specifications

AIO® 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® 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 free area required is .21 square feet (0.02 m^2) for the intake vent and .21 square feet (0.02 m^2) 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® Wall Mounted units:

- **Sunvent:** LLA/C, LLA/M, LLA/s - available through your INNOVA distributor.
- **Thermaduct:** RLA6 - available through your INNOVA distributor
- **Primex:** WCL8, WC6, WC8 - available online and in stores.
- **Dundas Jaffine:** IH6WXZ - available online and in stores.

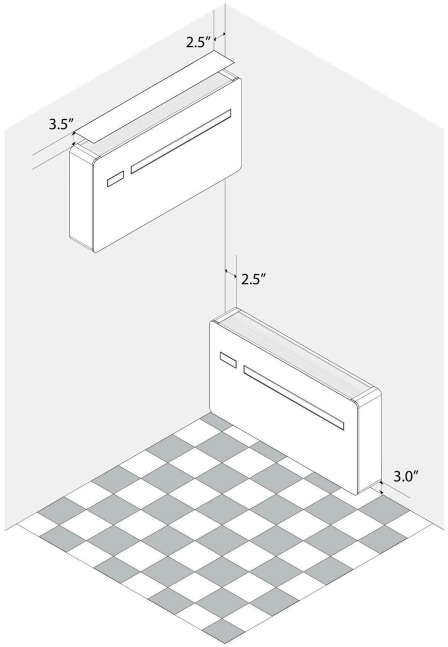
4.5 Clearance requirements

The AIO® Wall mounted unit's clearance will depend on how it is mounted. Please carefully read the criteria below to determine the 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 any noise from vibration and allow the floor under the unit to be cleaned.
- **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) clearance will suffice to eliminate any noise from vibration. A clearance of 2.5" (63.5 mm) on the sides allows for easier access when removing and installing the unit.
- **Front**
  Ensure no curtains, furniture, plants, or any 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 tight to the wall so there are zero gaps between the wall and the unit. Gaps can allow outside air inside and create short cycling and humidity. If there are any gaps, 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 5. Clearance



5. TECHNICAL SPECIFICATIONS

5.1 Cooling and heating

5.1.1 Cooling

Table 1. Performance - Cooling mode

Heat Pump		**95°F (35°C)** (1)	**105°F (40.6°C)** (2)	**115°F (46.1°C)** (3)
Maximum*	BTH/h	10,200	8,000	7,500
Nominal		7,400	7,400	7,100
Minimum		3,100	3,100	3,100
Input Power	W	805	900	980
Efficiency		13.65 SEER2	8.22 EER2	7.19 EER2
Moisture Removal	Pts/h	1.9	-	-
	L/h	0.9		

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)

5.1.2 Heating

Table 2. Performance - Heating mode

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)
Maximum*	BTU /hr	10,100	6,100	6,400	6,100	5,900
Nominal		7,400	5,100	5,300	5,100	4,900
Minimum		3,100	3,100	3,100	3,100	3,100
Input	W	723	825	950	900	867
Efficiency		7.01 HSPF2	1.81 COP	1.71 COP	1.67 COP	1.64 COP

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. 13°F(-10.6°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)

Maximum capacity is not intended for design specifications. It represents temporary operation only, such as when outdoor temperatures exceed design conditions or when the room load is higher than design due to added occupants. Because it does not reflect normal unit performance, the AIO® unit can operate above its rated capacity for no more than 30 minutes at a time.

5.2 Airflow

5.2.1 Indoor

Table 3. Airflow - Indoor

Air volume			
Indoor	Type		ECM centrifugal
	Flow	CFM	160-290
		m^3/hr	272 - 493
	Supply connection		Integrated
	Return connection		Integrated
	Speeds		Low, med, high, auto
	Filter		MERV 3

5.2.2 Outdoor

Table 4. Airflow - Outdoor

Air volume			
Outdoor	Type		ECM centrifugal
	Flow	CFM	200-350
		m^3/hr	340 - 595
	Available ESP		0.25" WC 62.3 Pa
	Intake and exhaust connection		8" (203.2 mm) round (can be reduced to 6"
Air volume			
			(152.4 mm) with an adapter)

5.3 Sound

Table 5. Sound

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

5.4 General

5.4.1 Controls

Table 6. General - Controls

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

5.4.2 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

5.4.3 Condensate

Table 8. General - Condensate

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

5.4.4 Physical

For detailed dimensions, refer to the drawings in Section 7.

Table 9. General - Physical

Physical data			
Dimensions	Net	in	39.7 W x 21.9 H x 6.5 D
		mm	1008.4 W x 556.3 H x 165.1 D
Weight	Net	lb	100
		kg	45.4
	Gross	lb	105
		kg	47.6
Cabinet	Finish		RAL 9003 signal white
	Material		Steel

5.4.5 Compressor

Table 10: General - Compressor

Compressor			
Type			
Refrigerant	For R32 Units	Refrigerant Type	R32
		Charge Quantity	21.87 oz
			620 g
	For R410 Units	Refrigerant Type	R410
		Charge Quantity	17.64 oz
			500 g
Oil Type	Fv50s (ISO 50) Polyvinylether (PVE)		

5.5 Electrical

5.5.1 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	
Power factor (%)		0.96	0.96
Input power (standby)	W	10.8	10.8
Input power (off mode)		1.5	1.5
Cooling (nominal)	A	7.7	3.8
Cooling (max)		9.6	4.8
Heat Pump Only			
Heating-heat pump only (nom.)	A	5.1	2.6
Heating-heat pump only (max)		10.4	5.2
Heat Pump+900 W Elec Heat			
Heating-heat pump+900 W Elec Heat (nom.)	A	12.9	6.6
Heating-heat pump+900 W Elec Heat (max)		16.3	9.1
Heating-Heat Pump+1,800 W Elec Heat (nom)		N/A	10.5
Heating-Heat Pump+1,800 W Elec Heat (max)		N/A	13.1

Table 12. Electrical - Circuit breakers

Circuit breakers			115V	230V
Heat Pump Only	MCA	A	13	13
	Recommended breaker size		15	15
	MOCP		25	25
Heat Pump+900 W Elec Heat	MCA	A	10	21
	Recommended breaker size		15	25
	MOCP		20	35
Heat Pump+1800 W Elec Heat	MCA	A	N/A	15
	Recommended breaker size		N/A	20
	MOCP		N/A	25

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.

5.5.2 Motors

Table 13. Electrical - Motors

Motors			115V	230V
Compressor	RLA	A	5.6	2.8
	LRA		7.9	3.9
Indoor ECM fan motor	Watts (max)	W	50	50
	FLA	A	0.4	0.2
	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

LCDI cord is not available in 115V above 20 A.

5.5.3 LCDI Power cords

Table 14. Electrical - LCDI Power Cords

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

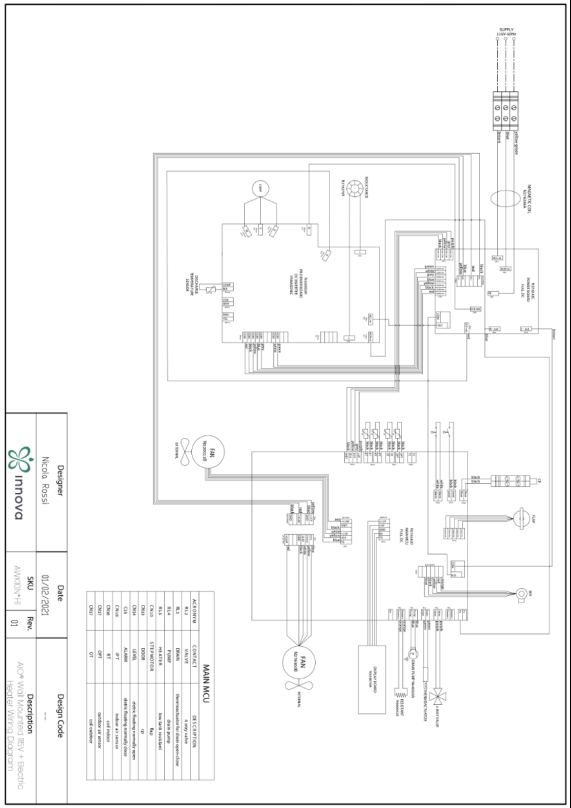
6. WIRING DIAGRAM

6.1 115V

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

AIO Wall Mounted Gen 1 (115V) Wiring Diagram (...

Figure 6. Wiring diagram (115V)

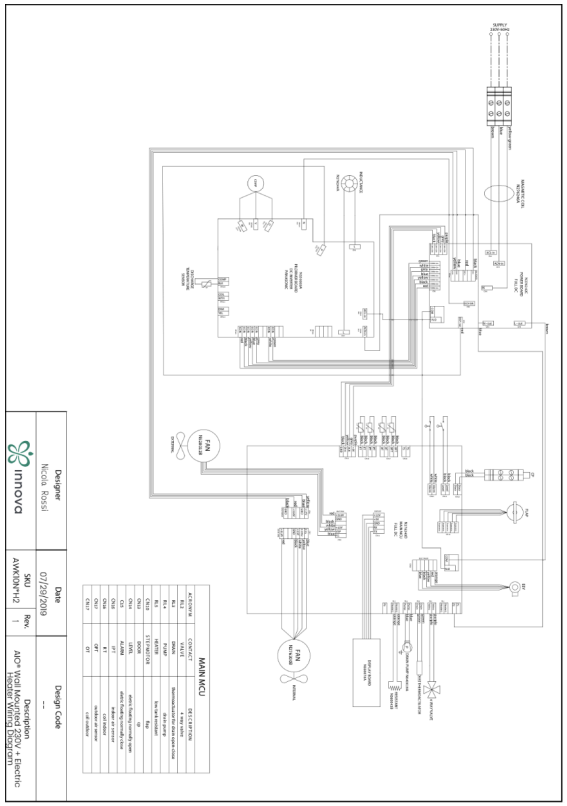


6.2 230V (before October, 2021)

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

AIO Wall Mounted Gen 1 (230V Pre-October 2021) ...

Figure 7. Wiring diagram (230V before October 2021)

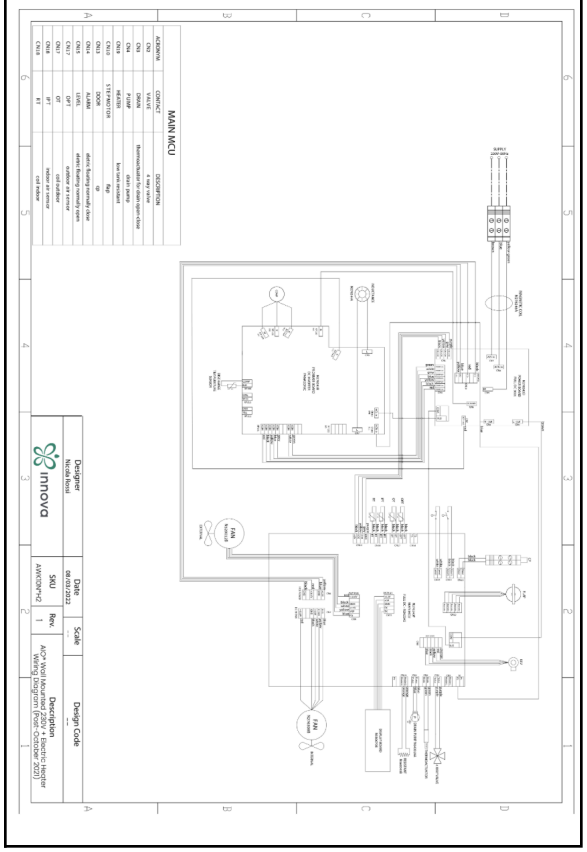


6.3 230V (after October, 2021)

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

AIO Wall Mounted Gen 1 (230V Post-October 2021...

Figure 8. Wiring diagram (230V after October 2021)



6.4 Notes

Table 15. 230V Heat pump + electric heat - Electric heat parts

Electric Heat Parts		
P1	Description	Integrated PCB
	INNOVA Code	N540205A
	Note	Included in N576205A
P2	Description	Filter 2.0 18A PCB
	INNOVA Code	NN560536A
	Note	Included in N576205A
P3	Description	EEV Coil
	INNOVA Code	N276928B
	Note	Included in N576205A
P4	Description	Pan cable harness
	INNOVA Code	N576205A_02
	Note	Included in N576205A
P5	Description	4-way valve cable + temperature sensor
	INNOVA Code	N576205A_03
	Note	Included in N576205A
P6	Description	Indoor and Incoil temperature sensors
	INNOVA Code	N576205A_04
	Note	Included in N576205A
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

Electric Heat Parts		
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
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

Electric Heat Parts		
P20	Description	Flap motor
	INNOVA Code	N276300B
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

7. DIMENSIONS

Figure 9. Wall Mounted Standard Dimensions



Figure 10. Wall Mounted Standard Dimensions

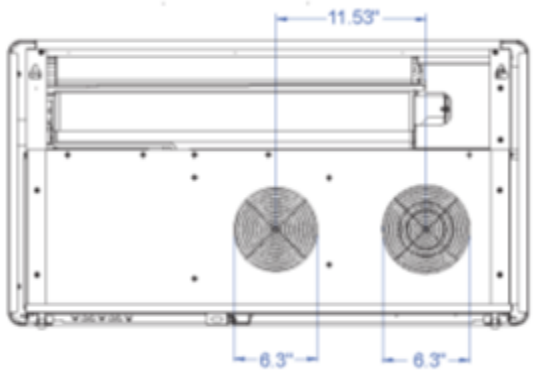


Figure 11. Dimensions (top view)

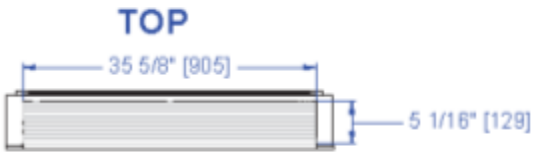


Figure 12. Dimensions (left view)

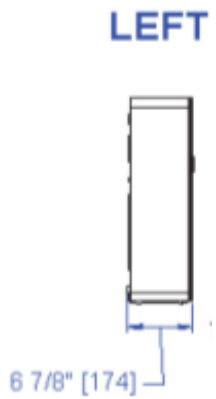


Figure 13. Dimensions (front view)

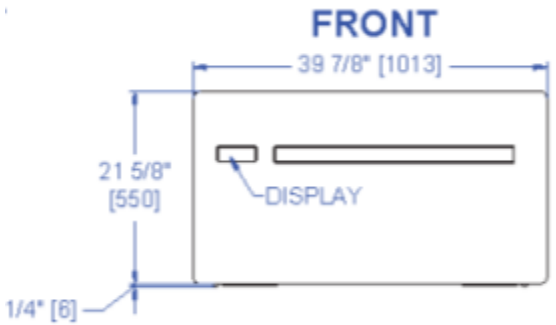


Figure 14. Dimensions (right view)

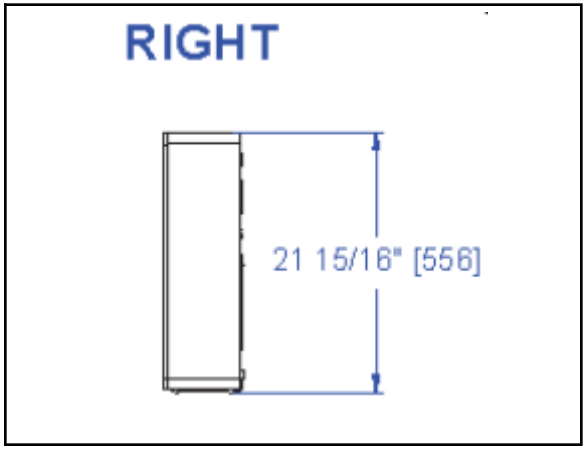


Figure 15. Dimensions (bottom view)

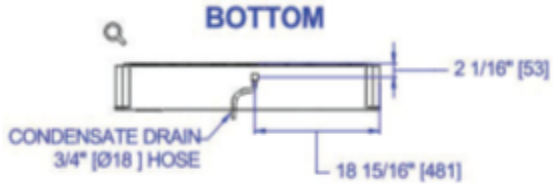
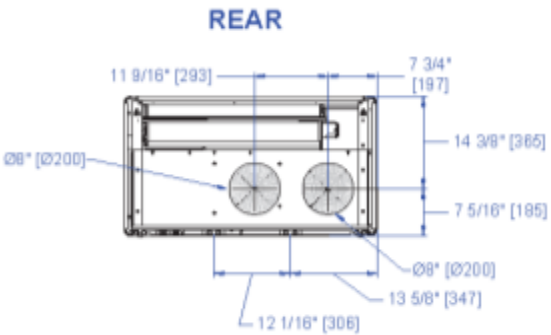


Figure 16. Dimensions (rear view)



8. WARRANTY

8.1 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.

8.2 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.

8.3 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:

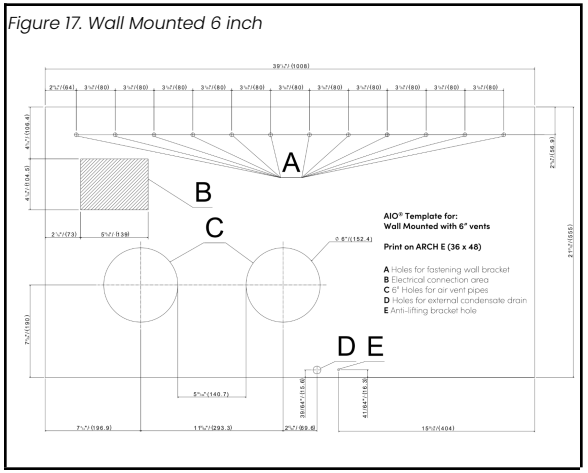
AIO Warranty Terms and Conditions - 2026 - Inn...

9. MOUNTING TEMPLATE

To view the mounting template for the AIO® Wall Mounted unit as a high-resolution PDF, click the link below:

AIO Wall Mounted 6 inch template (V 5.0).pdf

Figure 17. Wall Mounted 6 inch



10. SUBMITTALS

10.1 115V Heat pump only

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

Job	Reference	Construction
Location	Approval	Quote Number
Engineer	Date	Drawing Number
Submitted To	Submitted By:	P.O. Number:

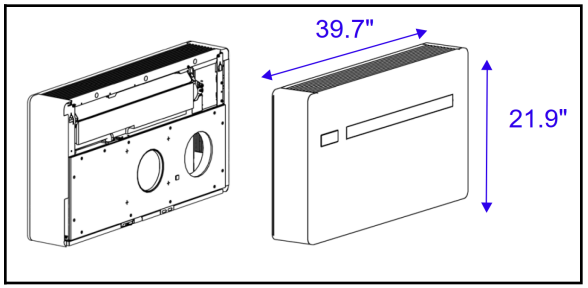
General Features

- 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/h	7,400
HSPF2		7.01
Circulation	CFM	160-290
	m^3/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	5.1
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 Controllers + Gateways	
☐	Wireless Remote	WRCH20
☐	Basic Touch Controller	LTCH20
☐	Recessed Touch Controller	RTCH20
☐	Advanced TFT Controller with 7-Day program	TFTH20
☐	Wireless (AA Battery) Infrared Controller with 7-Day program	WIPT20
☐	Third Party Gateway	TPG015
☐	WiFi App	WIFI30
☐	E-Paper EOS Controller	EEOS12
☐	Simple EOS Controller	SEOS12
☐	Integration gateway for LTCH20, TFTH20 and MODBUS	GWN
☐	Integration gateway for LTCH20, TFTH20, MODBUS, BACnet, and third-party thermostats	GWX

Included	General Accessories	
☐	ERV	AWERV30
☐	Underbody Cover Plate	GB0737II
☐	Underbody Cover Plate for unit w/ERV	GB0737I4
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	NEMA	SKU
☐	72 in. (1829 mm)	6-15P	L115v15a

10.2 230V Heat pump only

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

Job	Reference	Construction
Location	Approval	Quote Number
Engineer	Date	Drawing Number
Submitted To	Submitted By:	P.O. Number:

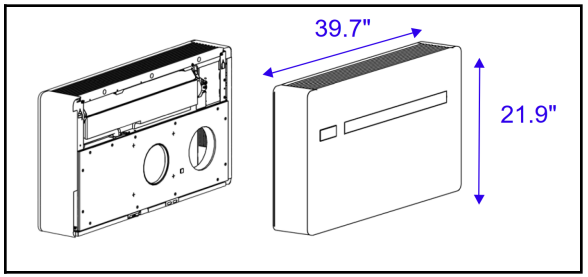
General Features

- 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/h / kW/hr)		7,400 / 2.17
HSPF2		7.01
Circulation	CFM	160-290
	m^3/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	3.8
Max Amps Cooling	4.8
Running Amps Heating	2.6
Max Amps Heating	5.2
MCA	13
Maximum Overcurrent Protection (A)	25
Recommend breaker size	15
Max Power Input (watts) Cooling	1,800
Max Power Input (watts) Heating	1,800

Included	Wall Controllers + Gateways	
☐	Wireless Remote	WRCH20
☐	Basic Touch Controller	LTCH20
☐	Recessed Touch Controller	RTCH20
☐	Advanced TFT Controller with 7-Day program	TFTH20
☐	Wireless (AA Battery) Infrared Controller with 7-Day program	WIPT20
☐	Third Party Gateway	TPG015
☐	WiFi App	WIFI30
☐	E-Paper EOS Controller	EEOS12
☐	Simple EOS Controller	SEOS12
☐	Integration gateway for LTCH20, TFTH20 and MODBUS	GWN
☐	Integration gateway for LTCH20, TFTH20, MODBUS, BACnet, and third-party thermostats	GWX

Included	General Accessories	
☐	ERV	AWERV30
☐	Underbody Cover Plate	GB0737II
☐	Underbody Cover Plate for unit w/ERV	GB0737I4
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	NEMA	SKU
☐	72 in. (1829 mm)	6-15P	L115v15a

10.3 230V Heat pump + elec heat

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

Job	Reference	Construction
Location	Approval	Quote Number
Engineer	Date	Drawing Number
Submitted To	Submitted By:	P.O. Number:

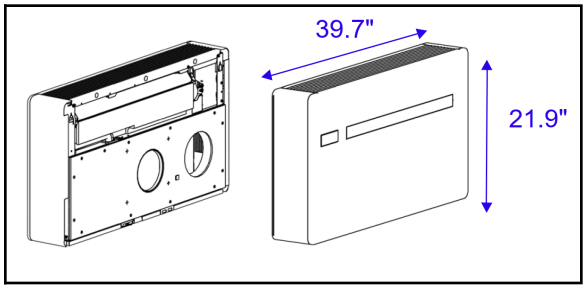
General Features

- BLDC inverter compressor
- ECM fans
- R32 Refrigerant
- 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
	m^3/hr	272 - 493	272 - 493
Dehumidification	Pts/h	1.9	1.9
	L/hr	0.9	0.9
Electric Heat			
Power Supply		230V/1Ph/60Hz	230V/1Ph/60Hz
Voltage Range		180 - 253	180 - 253
Running Amps Cooling		3.8	3.8
Max Amps Cooling		4.8	4.8
Running Amps Heating		6.6	10.5
Max Amps Heating		9.1	13.1
MCA		21	15
Maximum Overcurrent Protection (A)		35	25
Recommend breaker size		25	20

Max Power Input (watts) Cooling	1,800	1,800
Max Power Input (watts) Heating	2,700	3,600

Included	Wall Controllers + Gateways	
☐	Wireless Remote	WRCH20
☐	Basic Touch Controller	LTCH20
☐	Recessed Touch Controller	RTCH20
☐	Advanced TFT Controller with 7-Day program	TFTH20
☐	Wireless (AA Battery) Infrared Controller with 7-Day program	WIPT20
☐	Third Party Gateway	TPG015
☐	WiFi App	WIFI30
☐	E-Paper EOS Controller	EEOS12
☐	Simple EOS Controller	SEOS12
☐	Integration gateway for LTCH20, TFTH20 and MODBUS	GWN
☐	Integration gateway for LTCH20, TFTH20, MODBUS, BACnet, and third-party thermostats	GWX

Included	General Accessories	
☐	ERV	AWERV30
☐	Underbody Cover Plate	GB0737II
☐	Underbody Cover Plate for unit w/ERV	GB0737I4
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords (900W)	NEMA	SKU
☐	72 in. (1829 mm)	6-15P	L11v15a

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 1) **Product Data Sheet**