AIO® Wall Mounted Pro (Gen 3)

Product Data Sheet



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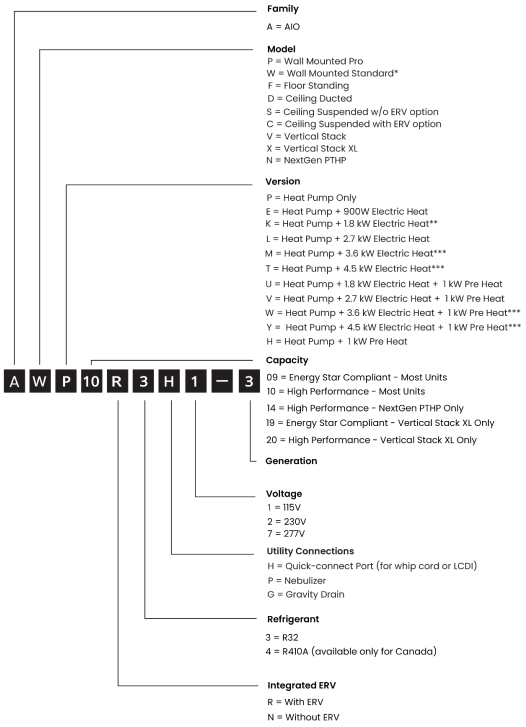
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MODEL NUMBER NOMENCLATURE

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 Pro (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.

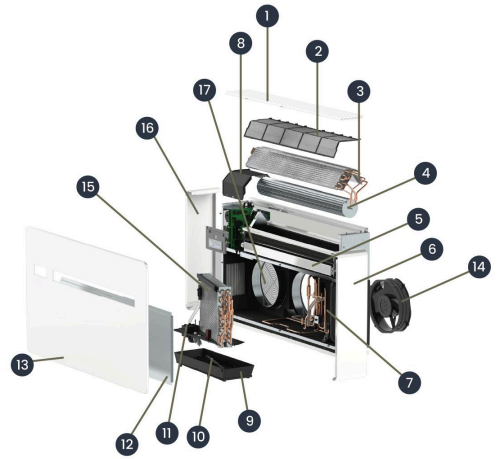
Indicates supplemental information, tips, or useful background information.

2. AIO® WALL MOUNTED PRO (GEN 3) OVERVIEW

AIO® Wall Mounted Pro units are slim and sleek. The AIO® Wall Mounted Pro unit can be mounted high or low on the wall, using 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 Pro 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. The AIO® Wall Mounted Pro's powerful external electronically commutated motor (ECM) condenser/outdoor fan sits inside the vent pipe or adapter.

2.1 Components and structure

Figure 2. AIO® Wall Mounted Pro (Gen 3) components and structure



1	Return air grille	**10**	Condensate drain pan
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 Axial Condenser/Outdoor Fan
6	Side panel	**15**	Condensate disbursement system
7	BLDC inverter compressor	**16**	Touchscreen controller
8	Electrical protective cover	**17**	Outside air intake
9	Outdoor high-efficiency heat exchanger		

2.2 Key features

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

Twin rotary BLDC inverter compressor
The state-of-the-art, twin-rotary Brushless DC (BLDC) inverter compressor operates efficiently, quietly, and with minimal vibration. AIO®'s Wall Mounted Pro unit is ideal for any room or area that requires between 3,300 and 15,000 Btu/h of cooling capacity, or between 3,900 and 14,500 Btu/h of heating capacity.

High-efficiency ECM fans with auto ESP
High-efficiency electronically commutated motor (ECM) fans enable quiet, efficient 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 1,800-watt electric resistance heat
The optional electric resistance heating system operates alongside the heat pump when the heat pump lacks sufficient power. This setup consists of two 900W resistance heaters, activated in stages to optimize efficiency. The unit offers three configuration options for electric resistance heat: no electric heat, 900W, or 1,800W.

Intelligent defrosting
AIO®'s intelligent defrosting system means more time heating and less time in 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 29 decibels, the occupant will barely notice that the AIO® Wall Mounted Pro unit is operating.

No outside noise infiltration
AIO® 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
AIO®'s low-voltage connection enables connection to any Building Management System (BMS), key-card system, window sensors, fire alarms, etc. As long as a system can send a low-voltage signal to the AIO® unit, the unit can be easily turned on or off.

Minimal clearances and compact footprint
AIO®'s compact form does not use any line sets. This means there is no need to access the sides of the unit. Installers can mount units with as little as 1" (25.4 mm) clearance on all sides.

Leak protection
If a drain becomes clogged, the system shuts down and an alarm is activated. This prevents water damage.

Easy to service
The AIO® unit can be easily maintained and repaired from the front or bottom without removing it from the wall. An 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. AIO® can be used with optional wall-mounted controllers, including a Thin Film Transistor (TFT) with a 7-day program, and third-party controllers from any company, using the optional third-party kit. An optional BACnet and Modbus module enables interfacing with building management systems.

3. AIRFLOW

3.1 Airflow operation

In addition to the typical twin external vents, the AIO® Wall Mounted Pro 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 to oscillate continuously.

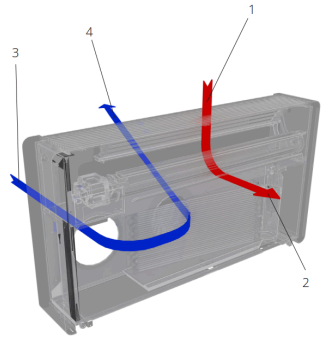
Return air
The return air is on the top through the integrated return air grille.

Outside air intake
The 8-inch (203.2 mm) outside air intake connection works with any approved or custom louvers that meet with the minimum 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 approved or custom louvers that meet the minimum 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. Installation options



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

4.1 Low ambient heating configuration

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 under low ambient conditions, temporarily preventing 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.
- A 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.

- A power supply with a 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, note the following:
  - The line must be properly insulated.
  - The line must have a minimum slope of 30%.
  - Installers should use a 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.

- Approved louvers must be installed with best practices to ensure that no water enters the wall assembly.
- 8" (203.2 mm) diameter ducts through the wall, which protrude 1/8" (3.2 mm) into the unit's EPDM backing to ensure a tight seal.
- The unit must be nearly level (with a slight rightward slope of ¼" per foot) on the horizontal axis and perfectly flush against the wall on the vertical axis.
- The unit must be tightly attached to the ducts, with no leakage between the external ducts and the unit. If the wall is not plumb, use insulating material.
- The wall bracket must be properly affixed to wall studs or other supporting material. Note that the wall bracket has several places that must be secured.

4.4 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 - available through INNOVA distributors.
  - **Thermaduct:** RLA9 - available through INNOVA distributors.
- Use a custom louver designed with guidance from INNOVA.

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

4.5 Clearance requirements

The clearances for the AIO® Wall Mounted Pro unit depend on how it is mounted. 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) from the floor to eliminate any noise from vibration and allow the floor under the unit to be cleaned.

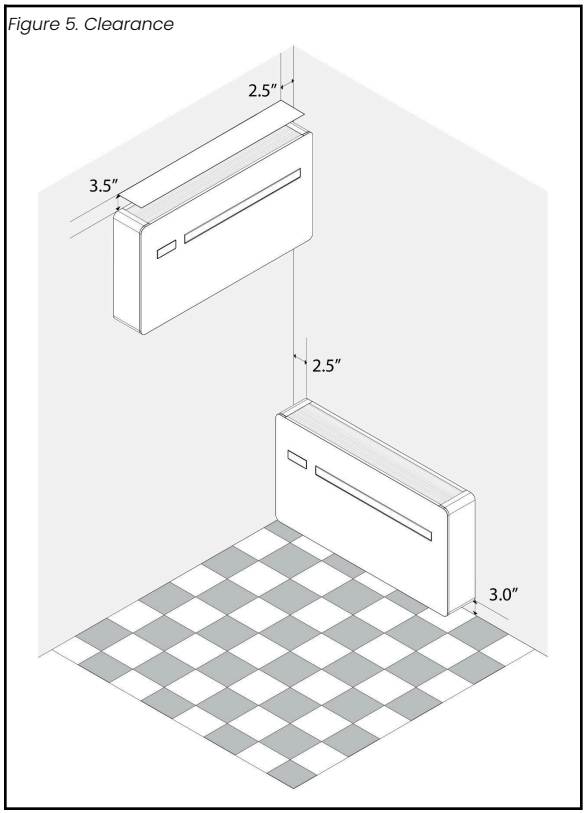
Sides
The AIO® Wall Mounted Pro unit should not touch the wall on either side, as it may vibrate slightly during operation, which could create noise. As little as 1" (25.4 mm) of clearance will suffice to eliminate vibration-induced noise. A clearance of 2.5" (63.5 mm) on the sides is recommended to allow for easier access when removing and installing the unit.

Front
Ensure that there are no curtains, furniture, plants, or any material within 30" (762 mm) of the front of the unit. The supply air vent is on the front, and blocking it will inhibit airflow and therefore the unit from working correctly.

Rear
The rear of the unit must be tight against the wall, with no gaps between the wall and the unit. Gaps can allow outside air to enter, leading to short cycling and increased humidity. If there are any gaps, they must be sealed with insulation. The rear of the fan must be no less than 2" (50.8 mm) away from the edge of an external louver. Any plenums, adapters, or similar transition components must be sized to maintain the required airflow.

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. ERV, CONTROLLER AND HEAT TRACE WIRE CONNECTIONS

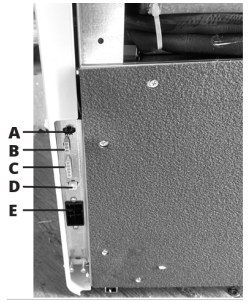
AIO® Wall Mounted Pro features a group of connections at the bottom-right corner of the back of the unit (as viewed when facing the mounted unit) to enable quick and easy connection to accessories and components. These include the following:

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 the ERV's power and communication.

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 6. Additional Connections



A	ERV communication
B	ERV/Nebulizer power
C	ECM axial condenser/outdoor fan power
D	Heat trace power /nebulizer heat trace power (no splitter required)
E	Quick-connect line power

6. TECHNICAL SPECIFICATIONS

6.1 Performance

6.1.1 Cooling

Table 1. Cooling

Heat Pump only		Unit of measurement	95°F (35°C) (1)	105°F (40.6°C) (2)	115°F (46.1°C) (3)
Capacity	Maximum	BTU/hr	15,000	13,500	12,000
	Recommended*		10,400	9,200	8,600
	Rated		9,000	8,200	7,700
	Minimum		3,300	3,300	3,300
Input Power	Maximum	W	1790	1,785	1,690
	Recommended*		1,050	1,050	1,130
	Rated		801	909	982
	Minimum		204	238	267
Efficiency	Maximum	EER	8.38	7.56	7.10
	Recommended*		9.90	8.76	7.61
	Rated	EER2	11.24	9.02	7.84
	Seasonal	SEER2	15.74	-	-
Moisture Removal		Pts/h	1.9	2.1	2.4
		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		Unit of measurement	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	14,500	9,100	6,700	6,500	6,100
	Recommended*		10,100	8,500	6,300	6,000	5,700
	Rated		9,000	7,600	5,600	5,400	5,100
	Minimum		3,900	3,300	2,800	3,300	3,300
Input Power	Maximum	W	1,620	1,625	1,630	1,480	1,570
	Recommended*		985	1,080	1,060	1,100	1,050
	Rated		711	935	919	953	917
	Minimum		360	370	410	435	470
Efficiency	Maximum	COP	2.62	1.64	1.20	1.29	1.14
	Recommended*		3.01	2.31	1.74	1.60	1.59
	Rated		3.71	2.38	1.79	1.66	1.63
	Minimum		3.20	2.61	2.00	2.22	2.06
	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.

6.2 Airflow

6.2.1 Indoor

Table 3. Airflow - Indoor

Air volume		
Indoor	Type	ECM tangential
	CFM	175 - 290
	m^3/hr	300 - 500
	Available ESP	-
	Supply connection	Integrated
	Return connection	Integrated
	Speeds	Low, med, high, auto
	Filter	MERV 3

6.2.2 Outdoor

Table 4. Airflow - Outdoor

Air volume		
Outdoor	Type	ECM axial
	CFM	235 - 450
	m^3/hr	400 - 750
	Available ESP	0.45" WC (112.1 Pa)
	Intake and Exhaust Connection	8" (203 mm) round
	Speeds	Low, med, high, auto

6.3 Sound

Table 5. Sound

Sound		
Indoor	dB(A)	29-49
	STC	40
	OITC	35
Outdoor	dB(A)	28-55

6.4 General

6.4.1 Controls

Table 6. 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

6.4.2 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 mm) outside diameter
Pipe material	Rubber
Drain pan capacity	0.55 gal (2.1 L)

6.4.4 Physical

For detailed dimensions, refer to the drawings in Section 9.

Table 9. General - Physical

Physical data			
Dimensions		in	39.9 W x 21.6 H x 6.9 D + 6 fan depth
		mm	1013 W x 549 H x 175 D + 152 fan depth
Weight	Net	lb	100
		kg	45.3
	Gross	lb	105
		kg	47.6
Cabinet	Finish		RAL 9003 signal white
	Material		Steel

6.4.5 General

Table 10: General - Compressor

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

6.5 Electrical

6.5.1 General

Table 11. 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 for 115V units)	
Power factor		0.96	
Input power (standby)	W	10.8	
Input power (off mode)	W	1.5	
Cooling (nominal)	A	6.9	3.4
Cooling (max)	A	15.7	7.8
Heat Pump Only			
Heating - heat pump only (nom.)	A	7.0	3.5
Heating-heat pump only (max)	A	15.7	7.8
Heat Pump + Elec Heat			
Heating-heat pump+ Elec Heat (nom.)	A	7.0	3.5
Heating-heat pump+900 W Elec Heat (max)	A	23.5	11.7
Heating-heat pump+1,800 W Elec Heat (max)	A	-	15.7

Table 12. Electrical - Circuit breakers

Circuit breakers			115V	230V
Heat Pump Only	MCA	A	18	10
	MOCP	A	40	15
Heat Pump + 900 W Elec Heat	MCA	A	29	15
	MOCP	A	45	25
Heat Pump + 1,800W Elec Heat	MCA	A	-	20
	MOCP	A	-	30

6.5.2 Motors

Table 13. Electrical - Motors

Motors			115V	230V
Compressor	RLA	A	7.9	7
	LRA	A	7.9	7
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	150	150
	FLA	A	1.3	0.7
	Power	HP	0.2	0.2

6.5.3 LCDI power cords

Table 14. Electrical - LCDI Power cords

LCDI Power Cord		115V	230V
Heat Pump Only	Amps	20	15
	Whip	40	40
	Plug Type	5-20P	6-15P
Heat Pump+1,800 W Elec Heat	Amps	The LCDI cord is not available in 115V above 20 A.	20
	Whip		40
	Plug Type		6-20P

6.5.4 Operating limits

Table 15. 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]

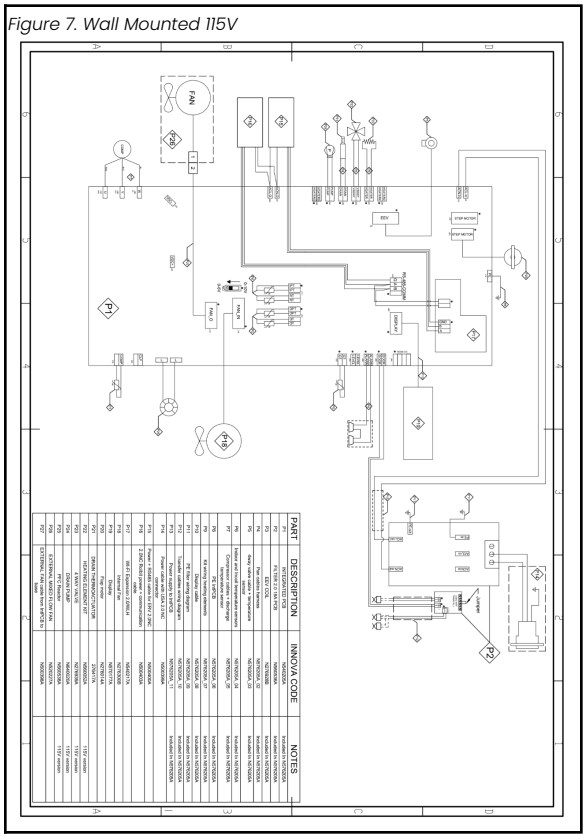
7. WIRING DIAGRAMS

7.1 AIO® Wall Mounted Pro 115V Wiring Diagram

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

AIO Wall Mounted Pro 115V (Heat Pump Only) Wiri...

Figure 7. Wall Mounted 115V

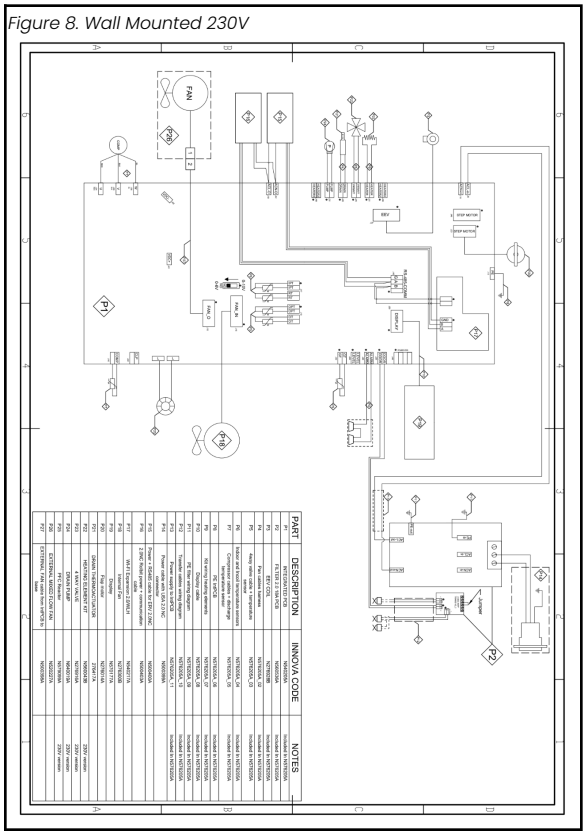


7.2 AIO® Wall Mounted Pro 230V Wiring Diagram

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

AIO Wall Mounted Pro 230V Wiring Diagram (V 5....

Figure 8. Wall Mounted 230V



7.3 AIO® Wall Mounted Pro 230V with Heat Strip Wiring Diagram

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

AIO Wall Mounted Pro 230V (with Electric Heater) ...

Figure 9. Wall Mounted 230V with electric heat

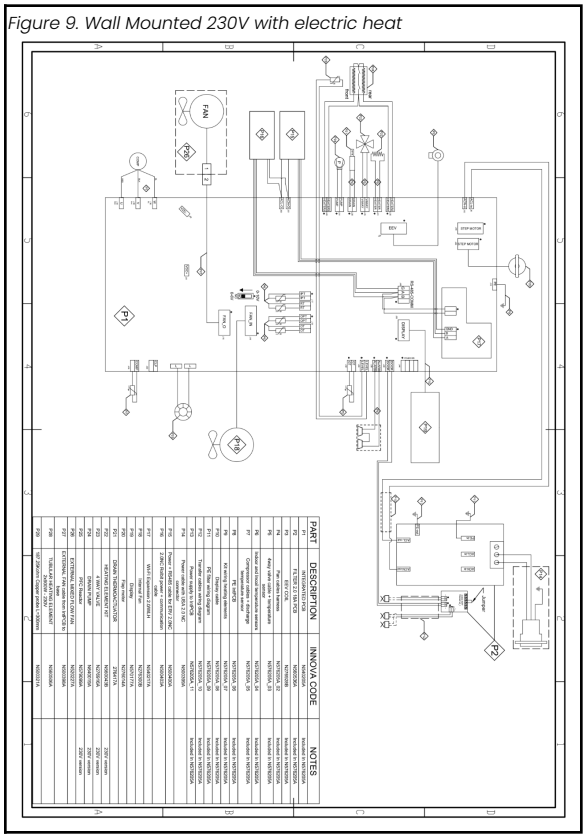


Table 16: Electric heat parts

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
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

Electric Heat Parts		
	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 + RS485 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	Flap motor
	INNOVA Code	N276300B
P20	Description	Drain thermo actuator
	INNOVA Code	N276417A
P21	Description	Heating element kit
	INNOVA Code	N560043B
	Note	230V version
P22	Description	4-way valve
	INNOVA Code	N276916A
	Note	230V version
P23	Description	Drain pump
	INNOVA Code	N640019A
	Note	230V version
P24	Description	PFC Reactor
	INNOVA Code	N579099A
	Note	230V version
P25	Description	External mixed flow fan
	INNOVA Code	N520227A
P26	Description	External fan cable from IntPCB to base
	INNOVA Code	N500398A
P27	Description	Tubular heating element 2x900w -230V
	INNOVA Code	N560506A
P28	Description	187.25 kilo-ohm copper probe L = 300mm
	INNOVA Code	N500321A

8. ECM AXIAL CONDENSER/OUTDOOR FAN

The AIO® Wall Mounted Pro incorporates a high-capacity fan located within the sleeve, plenum box, or wall assembly. When installing the unit, first secure the mounting bracket to the wall, then secure the pad to the wall bracket, and connect it to the AIO® Wall Mounted Pro unit. Then, connect the fan to the port marked C in Figure 6.

Figure 10. Securing the fan



Figure 11. Securing the fan (continued)

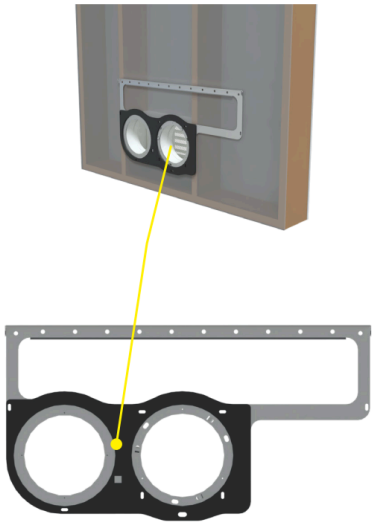
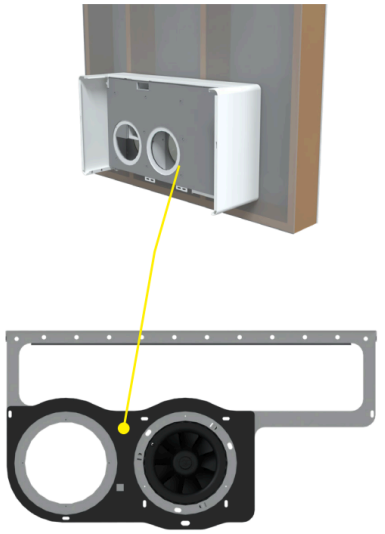


Figure 12. Securing the fan (continued)



9. DIMENSIONS

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

AIO Wall Mounted Pro Dimensions (V 5.0).pdf

Figure 13. Dimensions (top view)

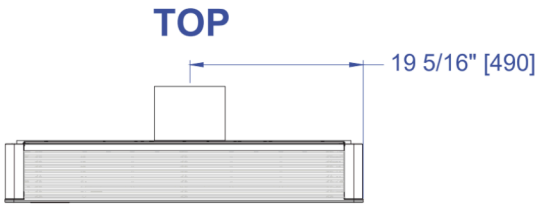


Figure 14. Dimensions (rear view)

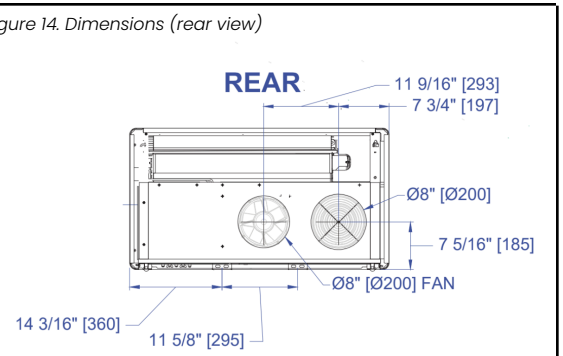


Figure 15. Dimensions (left view)

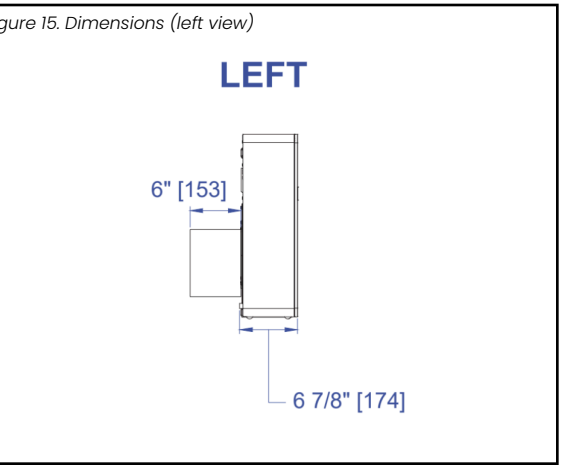


Figure 16. Dimensions (front view)

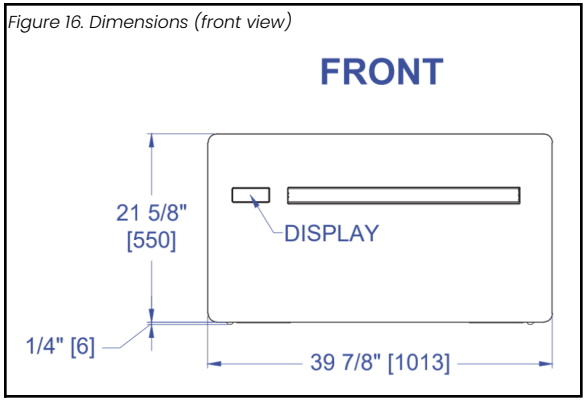


Figure 17. Dimensions (right view)

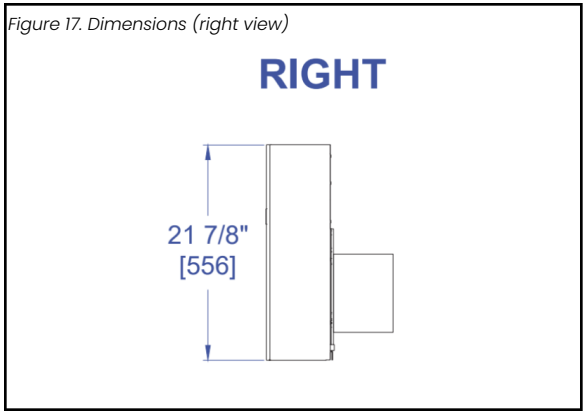
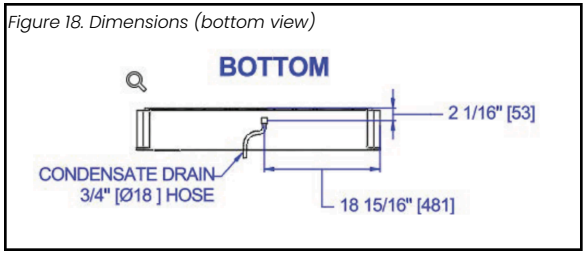


Figure 18. Dimensions (bottom view)



10. WARRANTY

10.1 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.

10.2 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.

10.3 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...

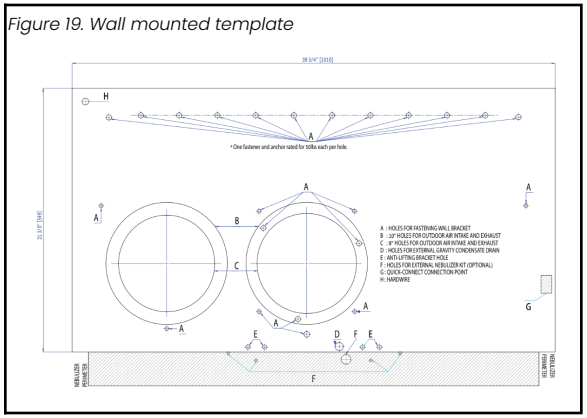
11. WALL MOUNTED PRO MOUNTING TEMPLATE

INNOVA provides a mounting template to facilitate the installation process.

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

PDF AIO Wall Mounted Pro (Gen 3) Mounting Templat...

Figure 19. Wall mounted template



12. SUBMITTALS

12.1 115V Heat pump only - High Performance and High Efficiency

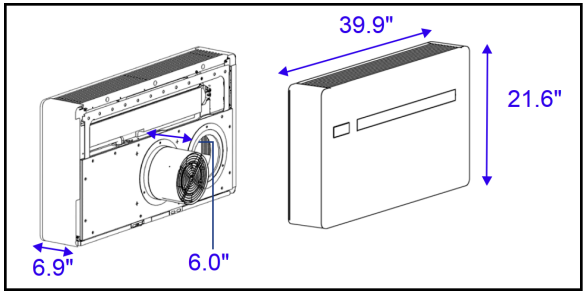
AIO® WALL MOUNTED PRO - 115V - NO ELECTRIC HEAT - R32 - SUBMITTAL (APP10N3H1)

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
- 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	Min-Max	BTU/H	3,300 - 15,000
	Rated capacity (95°F [35°C])		9,000
	Efficiency	EER2	11.24
Heating	Min-Max	BTU/H	3,900 - 14,500
	Rated capacity (47°F [8.3°C])		9,000
	Rated capacity (5°F [-15°C])		5,600
	Efficiency	COP	3.4
Sound	Indoor	db(A)	29 - 49
	Outdoor		28 - 55
Moisture removal		Pts/h	1.9
		L/hr	0.9
Airflow	Indoor	CFM	175 - 290
		m^3/hr	300 - 500
	Outdoor	CFM	235 - 450
		m^3/hr	400 - 750

Electric Specifications	
Power Supply (V/Ph/Hz)	115V/1Ph/60Hz
Voltage Range	103-127
Running Amps Cooling	6.9
Running Amps Heating	7.0
MCA	18
Maximum Overcurrent Protection (A)	40
Max Power Input (amps) Cooling	15.7
Max Power Input (amps) Heating	15.7

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	
☐	Underbody Cover Plate	GB0737II
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	Amps	NEMA	SKU
☐	89 in. (2260.6 mm)	15	5-20P	L129A

12.2 115V Heat pump + elec heat - High Performance and High Efficiency

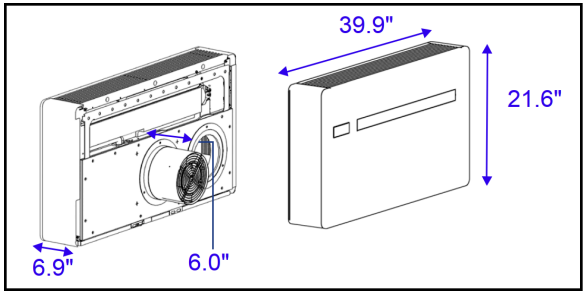
AIO® WALL MOUNTED PRO -115V - 900W ELECTRIC HEAT - R32 -SUBMITTAL (APE10N3H1)

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
- 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	Min-Max	BTU/H	3,300 - 15,000
	Rated capacity (95°F [35°C])		9,000
	Efficiency	EER2	11.24
Heating	Min-Max	BTU/H	3,900 - 14,500
	Rated capacity (47°F [8.3°C])		9,000
	Rated capacity (5°F [-15°C])		5,600
	Efficiency	COP	3.4
Sound	Indoor	db(A)	29 - 49
	Outdoor		28 - 55
Moisture removal		Pts/h	1.9
		L/hr	0.9
Airflow	Indoor	CFM	175 - 290
		m^3/hr	300 - 500
	Outdoor	CFM	235 - 450
		m^3/hr	400 - 750

Electric Specifications	
Power Supply (V/Ph/Hz)	115V/1Ph/60Hz
Voltage Range	103-127
Running Amps Cooling	6.9
Running Amps Heating	7.0
MCA	29
Maximum Overcurrent Protection (A)	45
Max Power Input (amps) Cooling	15.7
Max Power Input (amps) Heating	23.5

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	
☐	Underbody Cover Plate	GB0737II
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	Amps	NEMA	SKU
☐	LCDI is not available over 20A for 115V units			

12.3 230V Heat pump only - High Performance and High Efficiency

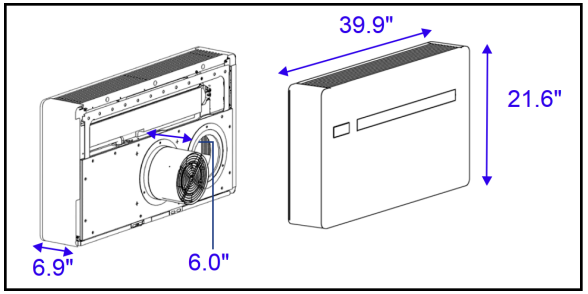
AIO® WALL MOUNTED PRO - 230V - NO ELECTRIC HEAT - R32 - SUBMITTAL (APP10N3H2)

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
- 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	Min-Max	BTU/H	3,300 - 15,000
	Rated capacity (95°F [35°C])		9,000
	Efficiency	EER2	11.24
Heating	Min-Max	BTU/H	3,900 - 14,500
	Rated capacity (47°F [8.3°C])		9,000
	Rated capacity (5°F [-15°C])		5,600
	Efficiency	COP	3.4
Sound	Indoor	db(A)	29 - 49
	Outdoor		28 - 55
Moisture removal		Pts/h	1.9
		L/hr	0.9
Airflow	Indoor	CFM	175 - 290
		m^3/hr	300 - 500
	Outdoor	CFM	235 - 450
		m^3/hr	400 - 750

Electric Specifications	
Power Supply (V/Ph/Hz)	230V/1Ph/60Hz
Voltage Range	180-253
Running Amps Cooling	3.4
Running Amps Heating	3.5
MCA	10
Maximum Overcurrent Protection (A)	15
Max Power Input (amps) Cooling	7.8
Max Power Input (amps) Heating	7.8

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	
☐	Underbody Cover Plate	GB0737II
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	Amps	NEMA	SKU
☐	89 in. (2260.6 mm)	15	6-15P	L259A

12.4 230V Heat pump + elec heat - High Performance and High Efficiency

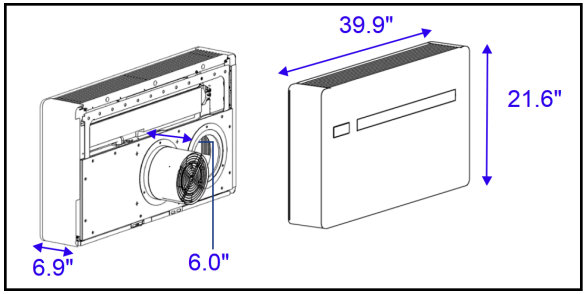
AIO® WALL MOUNTED PRO - 230V - 900/1800W ELECTRIC HEAT - R32 - SUBMITTAL (APK10N3H2)

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
- Intelligent defrost
- No outdoor unit
- Condensate disbursement systems
- Onboard touch controller
- 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	Min-Max	BTU/H	3,300 - 15,000
	Rated capacity (95°F [35°C])		9,000
	Efficiency	EER2	11.24
Heating	Min-Max	BTU/H	3,900 - 14,500
	Rated capacity (47°F [8.3°C])		9,000
	Rated capacity (5°F [-15°C])		5,600
	Efficiency	COP	3.4
Sound	Indoor	db(A)	29 - 49
	Outdoor		28 - 55
Moisture removal		Pts/h	1.9
		L/hr	0.9
Airflow	Indoor	CFM	175 - 290
		m^3/hr	300 - 500
	Outdoor	CFM	235 - 450
		m^3/hr	400 - 750

Electric Specifications	900W	1,800W
Power Supply (V/Ph/Hz)	230V/1Ph/60Hz	230V/1Ph/60Hz
Voltage Range	180-253	180-253
Running Amps Cooling	3.4	3.4
Running Amps Heating	3.5	3.5
MCA	15	20
Maximum Overcurrent Protection (A)	25	30
Max Power Input (amps) Cooling	7.8	7.8
Max Power Input (amps) Heating	11.7	15.7

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	
☐	Underbody Cover Plate	GB0737II
☐	Reducer Plate from 8" (203.2 mm) to 6" (152.4 mm)	RED2016

Included	LCDI Power Cords	Amps	NEMA	SKU
☐	89 in. (2260.6 mm)	20	6-20P	L229A

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 Pro (Gen 3) **Product Data Sheet**