

# Hotpoint®

## Ductless Single Zone Split Systems



### Cooling Only:

1H12HN2CAA1 / HW12HN2CAA1

1H18HN2CAA1 / HW18HN2CAA1

1H24HN2CAA1 / HW24HN2CAA1

### Heat Pump:

1H09HN2DAA1 / HW09HN2DAA1

1H12HN2DAA1 / HW12HN2DAA1

1H18HN2DAA1 / HW18HN2DAA1

1H24HN2DAA1 / HW24HN2DAA1

# Hotpoint®

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### Revision History

**06/24** - Edition release.

# Hotpoint®

## COOLING-ONLY MODELS

**Compressor Type:**  
**DC Inverter Driven Rotary**

**Voltage/Cycle/Phase:**  
**208-230/60/1**



|                   |                                                  | 12K                     | 18K                     | 24K                     |
|-------------------|--------------------------------------------------|-------------------------|-------------------------|-------------------------|
|                   | Outdoor Unit                                     | 1H12HN2CAA              | 1H18HN2CAA              | 1H24HN2CAA              |
|                   | UPC                                              | 084691949534            | 084691949558            | 084691949572            |
|                   | Indoor Unit                                      | HW12HN2CAA              | HW18HN2CAA              | HW24HN2CAA              |
|                   | UPC                                              | 084691949541            | 084691949565            | 084691949589            |
| Cooling           | Rated Capacity Btu/hr                            | 12,000                  | 18,000                  | 24,000                  |
|                   | Capacity Range Btu/hr                            | 33,00-13800             | 4,100-20,000            | 4,700-25,200            |
|                   | SEER2                                            | 20.0                    | 19.0                    | 18.0                    |
|                   | EER2                                             | 12.0                    | 12.0                    | 10.6                    |
|                   | Moisture Removal Pt./hr                          | 1.2                     | 2.2                     | 2.4                     |
| Operating Ranges  | Cooling °F (°C)                                  | 14-115 °F (-10-46 °C)   | 14-115 °F (-10-46 °C)   | 14-115 °F (-10-46 °C)   |
| Outdoor Unit      | Maximum Fuse Size A                              | 15                      | 20                      | 25                      |
|                   | Minimum Circuit Amp A                            | 12                      | 14                      | 18                      |
|                   | Outdoor Noise Level dB                           | 55                      | 59                      | 60                      |
|                   | Dimension: Height in (mm)                        | 21 3/4 (553)            | 25 1/4 (642)            | 25 1/4 (642)            |
|                   | Dimension: Width in (mm)                         | 31 1/2 (800)            | 32 1/4 (820)            | 32 1/4 (820)            |
|                   | Dimension: Depth in (mm)                         | 11 (280)                | 12 (306)                | 12 (306)                |
|                   | Carton Dimension: Height in (mm)                 | 23 5/8 (600)            | 26 1/2 (673)            | 26 1/2 (673)            |
|                   | Carton Dimension: Width in (mm)                  | 36 (914)                | 36 5/8 (930)            | 36 5/8 (930)            |
|                   | Carton Dimension: Depth in (mm)                  | 15 7/16 (392)           | 14 13/16 (377)          | 14 13/16 (377)          |
|                   | Weight Ship/Net - lbs (kg)                       | 83.11/70.55 (37.7/32.0) | 96.78/84.22 (43.9/38.2) | 99.87/87.30 (45.3/39.6) |
| Indoor Unit       | Fan Speed Stages                                 | 5 + Auto                | 5 + Auto                | 5 + Auto                |
|                   | Indoor Sound Level dB (Turbo/High/Med/Low/Quiet) | 46/44/39/33/29          | 49/46/43/40/31          | 52/49/46/43/38          |
|                   | Dimension: Height in (mm)                        | 11 (292)                | 12 1/8 (307)            | 13 5/8 (345)            |
|                   | Dimension: Width in (mm)                         | 31 3/4 (805)            | 34 1/2 (875)            | 43 1/2 (1105)           |
|                   | Dimension: Depth in (mm)                         | 7 7/8 (200)             | 8 1/2 (217)             | 9 1/2 (240)             |
|                   | Carton Dimension: Height in (mm)                 | 10 (254)                | 11 (278)                | 12 5/16 (313)           |
|                   | Carton Dimension: Width in (mm)                  | 33 7/8 (861)            | 36 5/8 (930)            | 46 1/16 (1170)          |
|                   | Carton Dimension: Depth in (mm)                  | 13 3/4 (350)            | 14 3/4 (375)            | 16 1/4 (413)            |
|                   | Weight Ship/Net - lbs (kg)                       | 24.47/18.74(11.1/8.5)   | 28.22/21.83(12.8/9.9)   | 41.67/32.63(18.9/14.8)  |
| Refrigerant Lines | Connections                                      | Flare                   | Flare                   | Flare                   |
|                   | Liquid O.D. in                                   | 1/4                     | 1/4                     | 1/4                     |
|                   | Suction O.D. in                                  | 3/8                     | 1/2                     | 1/2                     |
|                   | R32 Factory Charge Oz                            | 25.75                   | 38.8                    | 45.86                   |
|                   | Maximum Line Length Ft/m                         | 66/20                   | 83/25                   | 83/25                   |
|                   | Maximum Height Ft/m                              | 33/10                   | 50/15                   | 50/15                   |

### <sup>1</sup> OPERATING RANGE:

- Cooling performance rating shall be verified following AHRI 210/240 standards of 80°F (27°C) DB / 67°F (19°C) WB indoor temperature and 95°F (35°C) DB / 75°F (24°C) WB outdoor temperature.
- Heating performance rating shall be verified following AHRI 210/240 standards of 70°F (21°C) DB / 60°F (16°C) WB indoor temperature and 47°F (8°C) DB / 43°F (6°C) WB outdoor temperature.

### <sup>2</sup> CAPACITY CORRECTION:

- Please refer to the submittal documents for specific Capacity Correction tables available at [www.GEAppliancesAirAndWater.com](http://www.GEAppliancesAirAndWater.com)

# 1. SPECIFICATIONS

# Hotpoint®

## HEAT PUMP MODELS

**Compressor Type:**  
**DC Inverter Driven Rotary**

**Voltage/Cycle/Phase:**  
**208-230/60/1**



|                   |                                                  | 09K                    | 12K                    | 18K                     | 24K                    |
|-------------------|--------------------------------------------------|------------------------|------------------------|-------------------------|------------------------|
|                   | Outdoor Unit                                     | 1H09HN2DAA             | 1H12HN2DAA             | 1H18HN2DAA              | 1H24HN2DAA             |
|                   | UPC                                              | 084691944430           | 084691949473           | 084691949497            | 084691949510           |
|                   | Indoor Unit                                      | HW09HN2DAA             | HW12HN2DAA             | HW18HN2DAA              | HW24HN2DAA             |
|                   | UPC                                              | 084691949466           | 084691949480           | 084691949503            | 084691949527           |
| Cooling           | Rated Capacity Btu/hr                            | 9,000                  | 12,000                 | 18,000                  | 24,000                 |
|                   | Capacity Range Btu/hr                            | 3,100-11,000           | 3,300-13,800           | 4,100-20,000            | 4,700-25,200           |
|                   | SEER2                                            | 18.0                   | 18.0                   | 18.0                    | 18.0                   |
|                   | EER2                                             | 12.0                   | 12.0                   | 12.0                    | 10.6                   |
|                   | Moisture Removal Pt./hr                          | 1.0                    | 1.2                    | 2.2                     | 2.4                    |
| Heating           | Heating Capacity Range Btu/hr                    | 2,100-11,000           | 2,800-13,300           | 3,800-20,000            | 4,300-25,600           |
|                   | Rated Heating Capacity 47°F Btu/hr               | 10,000                 | 13,000                 | 19,000                  | 25,000                 |
|                   | COP @ 47°F                                       | 3.7                    | 3.5                    | 3.1                     | 3.0                    |
|                   | Max. Heating Capacity 5°F Btu/hr                 | 7,000                  | 9,100                  | 13,300                  | 17,500                 |
|                   | COP @ 5°F                                        | 1.8                    | 1.8                    | 1.8                     | 1.8                    |
|                   | HSPF2 (IV)/HSPF2 (V)                             | 9.5/7.2                | 9.5/7.1                | 9.5/7.2                 | 9.5/7.1                |
| Operating Ranges  | Cooling °F (°C)                                  | 14-115 °F (-10-46 °C)  | 14-115 °F (-10-46 °C)  | 14-115 °F (-10-46 °C)   | 14-115 °F (-10-46 °C)  |
|                   | Heating °F(°C)                                   | -15-75 °F (-26-24 °C)  | -15-75 °F (-26-24 °C)  | -15-75 °F (-26-24 °C)   | -15-75 °F (-26-24 °C)  |
| Outdoor Unit      | Maximum Fuse Size A                              | 15                     | 15                     | 20                      | 25                     |
|                   | Minimum Circuit Amp A                            | 12                     | 12                     | 14                      | 18                     |
|                   | Outdoor Noise Level dB                           | 55                     | 55                     | 59                      | 60                     |
|                   | Dimension: Height in (mm)                        | 21 3/4 (553)           | 21 3/4 (553)           | 25 1/4 (642)            | 25 1/4 (642)           |
|                   | Dimension: Width in (mm)                         | 31 1/2 (800)           | 31 1/2 (800)           | 32 1/4 (820)            | 32 1/4 (820)           |
|                   | Dimension: Depth in (mm)                         | 11 (280)               | 11 (280)               | 12 (306)                | 12 (306)               |
|                   | Carton Dimension: Height in (mm)                 | 23 5/8 (600)           | 23 5/8 (600)           | 26 1/2 (673)            | 26 1/2 (673)           |
|                   | Carton Dimension: Width in (mm)                  | 36 (914)               | 36 (914)               | 36 5/8 (930)            | 36 5/8 (930)           |
|                   | Carton Dimension: Depth in (mm)                  | 15 7/16 (392)          | 15 7/16 (392)          | 14 13/16 (377)          | 14 13/16 (377)         |
|                   | Weight Ship/Net - lbs (kg)                       | 80.47/67.9 (36.5/30.8) | 80.47/67.9 (36.5/30.8) | 93.26/80.69 (42.3/36.6) | 96.34/83.78 (43.7/38)  |
| Indoor Unit       | Fan Speed Stages                                 | 5 + Auto               | 5 + Auto               | 5 + Auto                | 5 + Auto               |
|                   | Indoor Sound Level dB (Turbo/High/Med/Low/Quiet) | 45/43/38/32/28         | 46/44/39/33/29         | 49/46/43/40/31          | 52/49/46/43/38         |
|                   | Dimension: Height in (mm)                        | 11( 292)               | 11 (292)               | 12 1/8 (307)            | 13 5/8 (345)           |
|                   | Dimension: Width in (mm)                         | 31 3/4 (805)           | 31 3/4 (805)           | 34 1/2 (875)            | 43 1/2 (1105)          |
|                   | Dimension: Depth in (mm)                         | 7 7/8 (200)            | 7 7/8 (200)            | 8 1/2 (217)             | 9 1/2 (240)            |
|                   | Carton Dimension: Height in (mm)                 | 10 (254)               | 10 (254)               | 11 (278)                | 12 5/16 (313)          |
|                   | Carton Dimension: Width in (mm)                  | 33 7/8 (861)           | 33 7/8 (861)           | 36 5/8 (930)            | 46 1/16 (1170)         |
|                   | Carton Dimension: Depth in (mm)                  | 13 3/4 (350)           | 13 3/4 (350)           | 14 3/4 (375)            | 16 1/4 (413)           |
|                   | Weight Ship/Net - lbs (kg)                       | 24.47/18.74(11.1/8.5)  | 24.47/18.74(11.1/8.5)  | 28.22/21.83(12.8/9.9)   | 41.67/32.63(18.9/14.8) |
|                   | Connections                                      | Flare                  | Flare                  | Flare                   | Flare                  |
| Refrigerant Lines | Liquid O.D. in                                   | 1/4                    | 1/4                    | 1/4                     | 1/4                    |
|                   | Suction O.D. in                                  | 3/8                    | 3/8                    | 1/2                     | 1/2                    |
|                   | R32 Factory Charge Oz                            | 25.75                  | 25.75                  | 38.8                    | 45.86                  |
|                   | Maximum Line Length Ft/m                         | 66/20                  | 66/20                  | 83/25                   | 83/25                  |
|                   | Maximum Height Ft/m                              | 33/10                  | 33/10                  | 50/15                   | 50/15                  |

### 1 PERFORMANCE:

- Cooling performance rating shall be verified following AHRI 210/240 standards of 80°F (27°C) DB / 67°F (19°C) WB indoor temperature and 95°F (35°C) DB / 75°F (24°C) WB outdoor temperature.
- Heating performance rating shall be verified following AHRI 210/240 standards of 70°F (21°C) DB / 60°F (16°C) WB indoor temperature and 47°F (8°C) DB / 43°F (6°C) WB outdoor temperature.

### 2 CAPACITY CORRECTION:

- Please refer to the submittal documents for specific Capacity Correction tables available at [www.GEAppliancesAirAndWater.com](http://www.GEAppliancesAirAndWater.com)

## 2.1 General

### (2.1.1) Description

- A. The heat pump and cooling-only air conditioner shall be a variable capacity, mini-split type system comprised of a single outdoor and a single wall-mounted indoor unit.

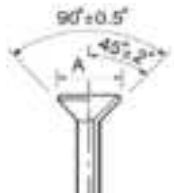
### (2.1.2) Toxicity

- A. The heat pump system shall participate in RoHS compliance and listed in the directory.

## 2.2 Installation Requirements

### (2.2.1) Lineset

- A. The connecting refrigerant lines between the indoor and outdoor units are to be supplied by the installer.
- B. The tubing must be annealed ACR-type copper, meeting ASTM B280 standards.
- C. The connecting tubing between the outdoor and indoor units shall be continuous in all possible situations.
- D. The tubing ends must be reamed inside and out, and must be flared using a 45° flaring tool approved for R-410A.
- E. Connections to the indoor and outdoor units shall be made with flare nuts that are supplied with the individual units.
- F. The flare nuts must be attached to indoor and outdoor units using a torque wrench and back- up wrench.

| PIPE SIZE | TORQUE            | A (INCH)    | FLARE SHAPE                                                                         |
|-----------|-------------------|-------------|-------------------------------------------------------------------------------------|
| 1/4       | 12 lb/ft 16.3 Nm  | 0.327-0.343 |  |
| 3/8       | 27 lb/ft 36.6 Nm  | 0.472-0.488 |                                                                                     |
| 1/2       | 40 lb/ft 54.2 Nm  | 0.488-0.654 |                                                                                     |
| 5/8       | 50 lb/ft 67.8 Nm  | 0.732-0.748 |                                                                                     |
| 3/4       | 80 lb/ft 108.5 Nm | 0.902-0.917 |                                                                                     |

- G. Each tube must be insulated with a minimum of 1/2 inch (12.7mm) closed-foam insulation that is UV resistant and meets ASTM Standard E84 25/50 flame spread/smoke development.
- H. The lineset between the indoor and outdoor must not exceed the listed maximum length and maximum height difference (See section **1. Specifications**).

## 2.3 Electrical Requirements

### (2.3.1) Electrical Supply

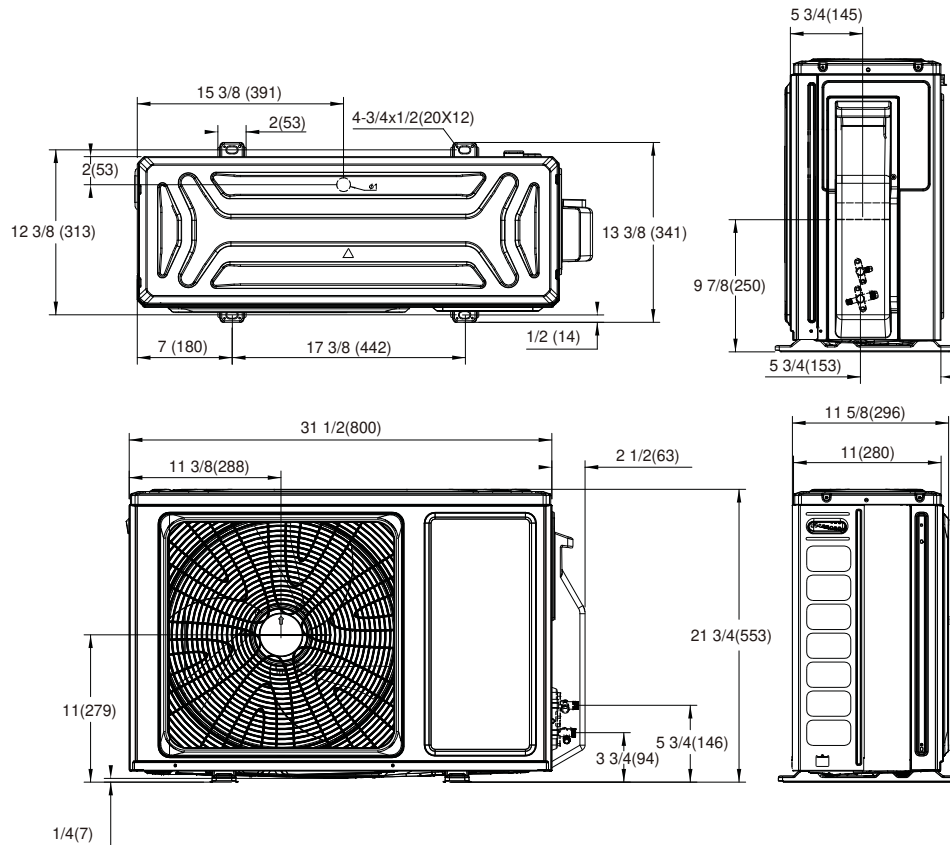
- A. Models shall be 208/230 volts AC, single-phase, 60 hertz. Voltage limitation supplied to the outdoor shall be between 187-253 volts.
- B. Power supply must be installed in accordance to local building and electrical code.

### (2.3.2) Connecting Wire to Indoor

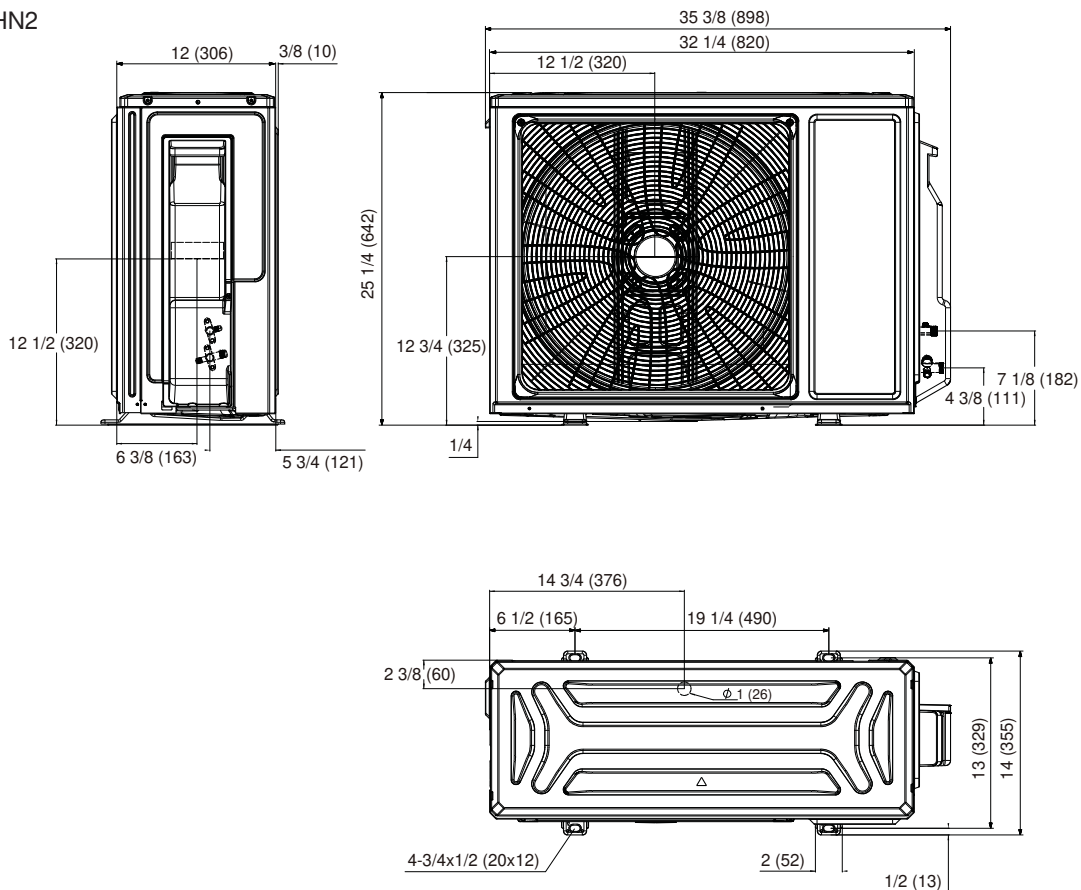
- A. Connecting cable between the indoor unit(s) must be made with 4 conductor - 14 AWG stranded copper wire.
- B. Connecting wire must be continuous (without break) unless local code requires power disconnect next to indoor unit. See section **4.4 Electrical Requirements**.

## 3.1 Dimensions

1H09HN2, 1H12HN2



1H18HN2, 1H24HN2



## 3.2 General

### (3.2.1) Outdoor Unit Description

- A. The outdoor unit shall be comprised of a condenser coil with all components and controls necessary to perform the rated operation.

### (3.2.2) Sound Pressure Rating

- A. Sound pressure rating as measured according to test standard JIS C 961.

### (3.2.3) Warranty

- A. The outdoor unit shall be covered by a manufacturer's parts warranty (See Section **6. Limited Warranty**)

| MODEL      | SOUND PRESSURE RATING DB (A) |
|------------|------------------------------|
| 1H12HN2CAA | 55                           |
| 1H18HN2CAA | 59                           |
| 1H24HN2CAA | 60                           |
| 1H09HN2DAA | 55                           |
| 1H12HN2DAA | 55                           |
| 1H18HN2DAA | 59                           |
| 1H24HN2DAA | 60                           |

## 3.3 Installation

### (3.3.1) Condensate

- A. The installer must adhere to local building codes for managing condensate water produced by the outdoor unit.

### (3.3.2) Clearances

- A. The installer must follow the recommended clearances provided in the Installation Manual.

## 3.4 Components

### (3.4.1) Coil

- A. The outdoor coil shall be made with a blue colored hydrophilic coating on the aluminum fins and packed with internally grooved copper tubing, to increase the effective heat exchange surface area by 25%, resulting in higher efficiencies and shorter defrost cycles (approx. 29%).
- B. Coils shall be helium pressure tested at the factory within a range of 600 - 650 PSI.
- C. Outdoor unit shall be factory charged with R-410A refrigerant for 25 feet of lineset.

### (3.4.2) Fan Motor

- A. The outdoor fan motor shall be a brushless, variable speed DCV motor type.
- B. The fan motor shall be molded with heat-hardened resin.
- C. The fan motor shall have permanently lubricated SRC bearings.

### (3.4.3) Fan Blade

- A. The outdoor fan blade shall be a UL flame rated plastic-resin design.
- B. The fan blade shall be factory balanced in quiet performance and enhanced velocity.

### (3.4.4) Compressor

- A. The compressor shall be a DC rotary type and A-PAM inverter-driven for stable operation in lower and higher frequency.
- B. The compressor shall be variable speed, variable capacity.
- C. The compressor shall have an internal overload protection device.
- D. The compressor shall use PVE (FV50S) refrigerant oil for better anti-wear effectiveness, superior resistance to capillary tube blockage and no hydrolysis compared to POE oil.

### (3.4.5) 4WV

- A. Heat pump outdoor units shall contain a four-way reversing valve (4WV) to change system mode from cool to heat.

### (3.4.6) EEV

- A. The refrigerant flow shall be regulated by an electronic expansion valve (EEV).
- B. The outdoor control shall monitor the refrigerant flow through the EEV using a pulse-operated coil.
- C. The EEV shall maintain the target of 10°F (5.5°C) of superheat.

### (3.4.7) Base Pan

- A. The base pan shall be constructed of commercial grade DC51/DC52 hot-dip galvanized steel with coating.
- B. The outdoor unit shall ship with a drain port adapter sized for 1/2 inch tubing to manage condensate run off.

### (3.4.8) Copper Piping

- A. All internally connected copper tubing shall conform to ASTM B280 tubing tolerances.

### (3.4.9) Outdoor Enclosure Materials

- A. The outdoor cabinet shall be constructed of commercial grade DC51/DC52 hot-dip galvanized steel with coating.

### (3.4.10) Defrost

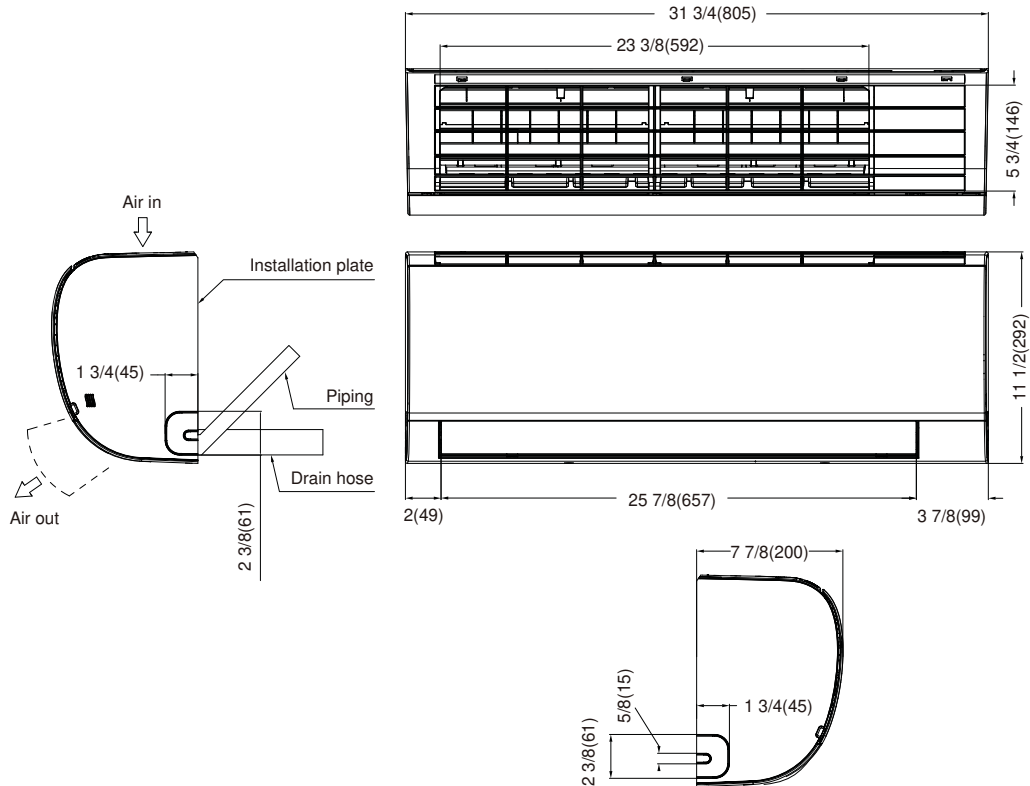
- A. Heat pump outdoor units shall have a reverse-cycle (hot gas) defrost system to maximize heat pump operation and minimize energy consumption.

### (3.4.11) Accumulator

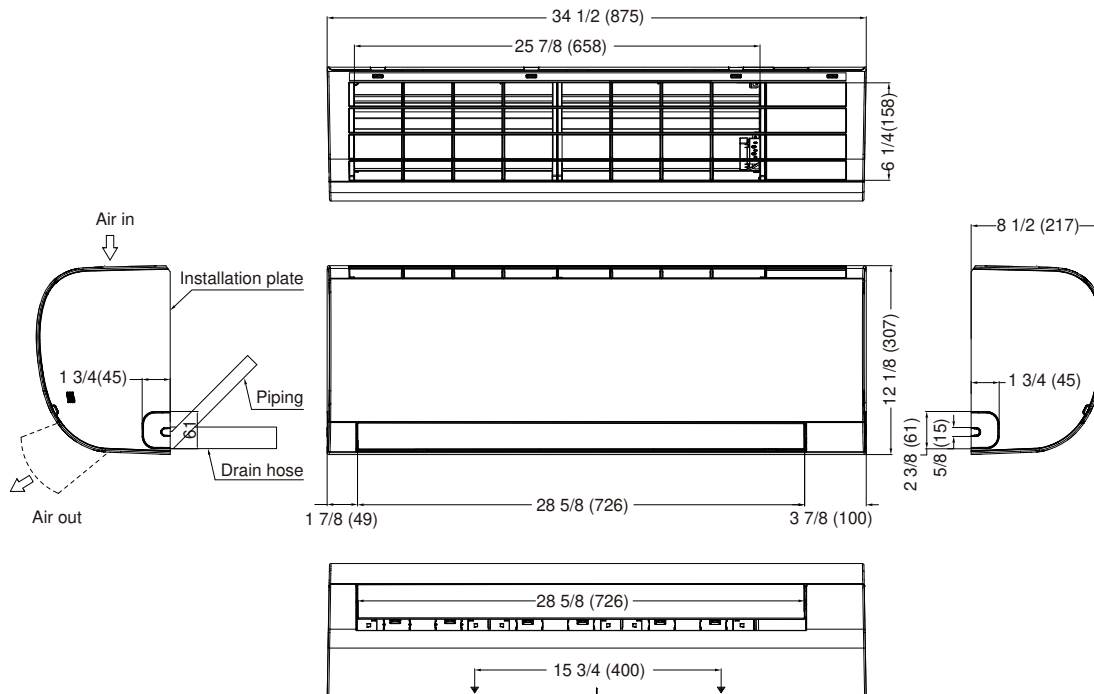
- A. The accumulator shall be connected to the compressor return line to prevent liquid refrigerant from entering the compressor during operation.

## 4.1 Dimensions

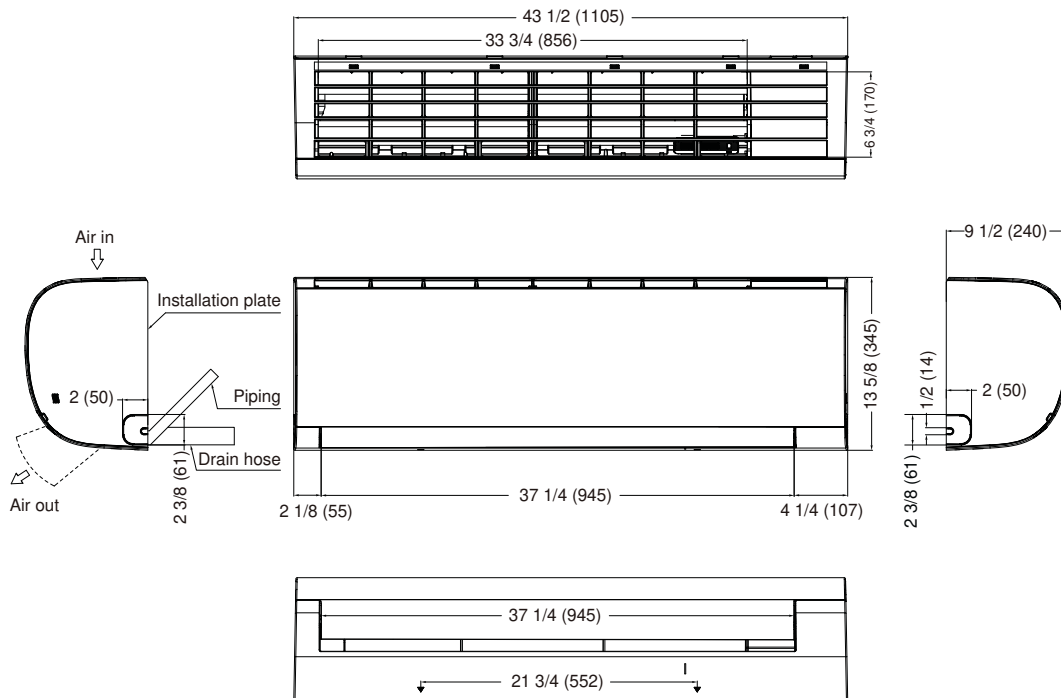
HW09HN2, HW12HN2



HW18HN2



HW24HN2



## 4.2 General

### (4.2.1) Indoor Unit Description

- A. The wall mounted indoor section completes the system when connected to the matching outdoor unit and field-supplied piping and wiring.

### (4.2.2) Sound Pressure Ratings

- A. Sound pressure ratings as measured according to test standard JIS C 9612:

| Model      | Indoor Sound Level dB<br>(Turbo/High/Med/Low/Quiet) |
|------------|-----------------------------------------------------|
| HW12HN2CAA | 46/44/39/33/29                                      |
| HW18HN2CAA | 49/46/43/40/31                                      |
| HW24HN2CAA | 52/49/46/43/38                                      |
| HW09HN2DAA | 45/43/38/32/28                                      |
| HW12HN2DAA | 46/44/39/33/29                                      |
| HW18HN2DAA | 49/46/43/40/31                                      |
| HW24HN2DAA | 52/49/46/43/38                                      |

### (4.2.3) Warranty

- A. The outdoor unit shall be covered by a manufacturer's parts warranty (See Section **6. Limited Warranty**)

## 4.3 Installation

### (4.3.1) Condensate

- A. The wall mounted indoor shall be shipped with a insulated polyethylene condensate tubing (5/8" ID) attached from the factory.
- B. The wall mounted indoor unit shall ship with a 6.5 ft (2m) corrugated drain tube that connects to the insulated drain tube.
- C. The wall mounted indoor unit shall be a gravity drain.

### (4.3.2) Clearances

- A. The installer must follow the minimum clearances illustrated in the Installation Manual when installing the indoor unit.

### (4.3.3) Mounting

- A. The wall mounted indoor unit shall ship with a galvanized metal wall bracket.
- B. The wall bracket shall have multiple anchor points to provide the installer with many options to firmly attach the wall mounted indoor unit to the wall.
- C. The field-supplied mounting hardware must be sufficient to adequately support the indoor unit.
- D. See also section **4.6 Mounting Bracket Dimensions**

## 4.4 Electrical Requirements

### (4.4.1) Electrical Disconnect

- A. Connecting wire must be continuous (without break) unless local code requires a disconnect at the indoor unit.

| MODEL      | FAN MOTOR RATING (HP) |
|------------|-----------------------|
| HW12HN2CAA | 0.03                  |
| HW18HN2CAA | 0.03                  |
| HW24HN2CAA | 0.07                  |
| HW09HN2DAA | 0.03                  |
| HW12HN2DAA | 0.03                  |
| HW18HN2DAA | 0.03                  |
| HW24HN2DAA | 0.07                  |

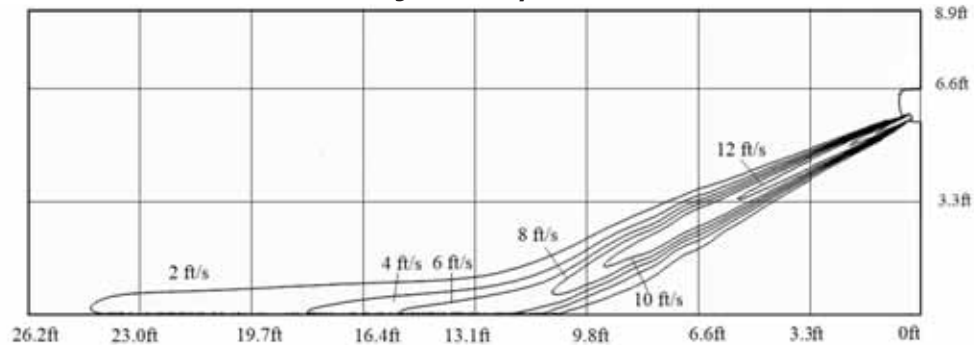
- B. If a disconnect is required by local code, it must be a 3-pole, single-throw type.

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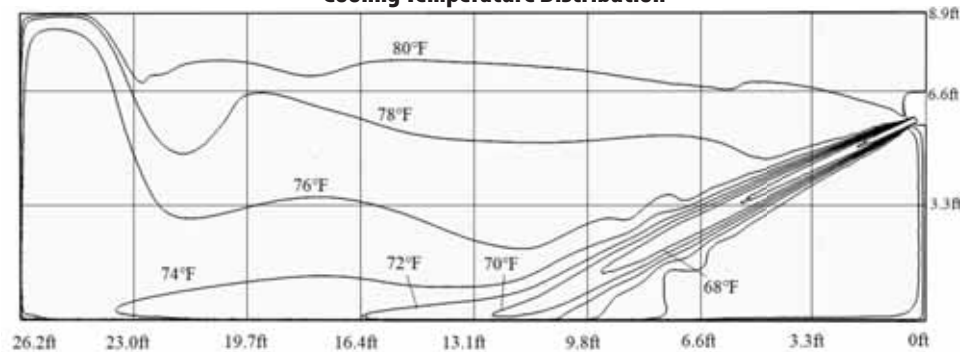
## 4.5 Temperature And Air Flow Distribution

HW09HN2

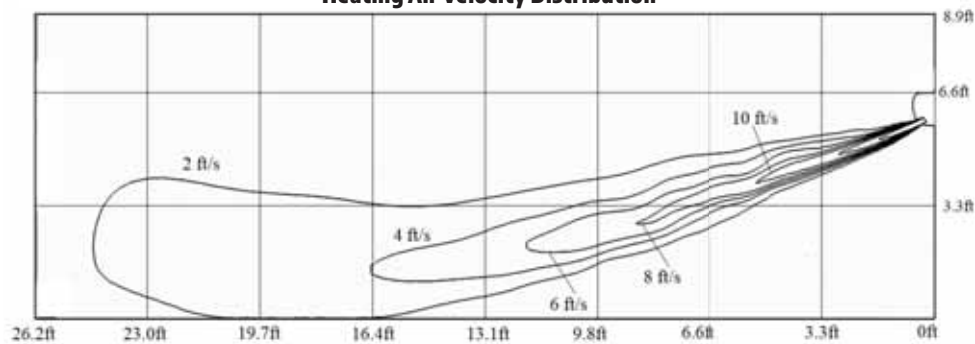
**Cooling Air Velocity Distribution**



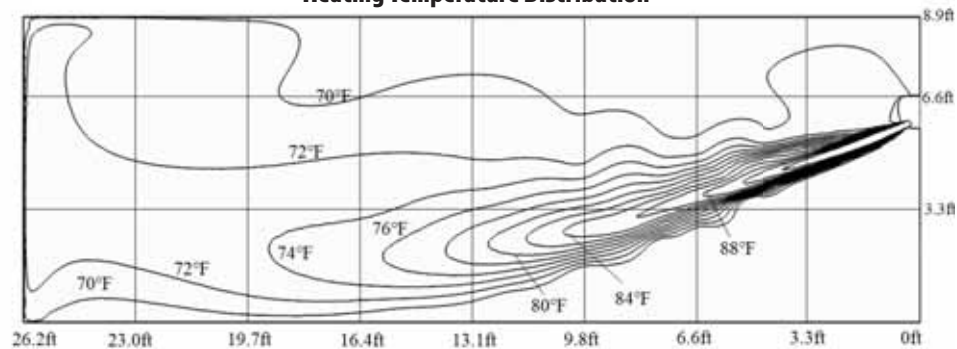
**Cooling Temperature Distribution**



**Heating Air Velocity Distribution**

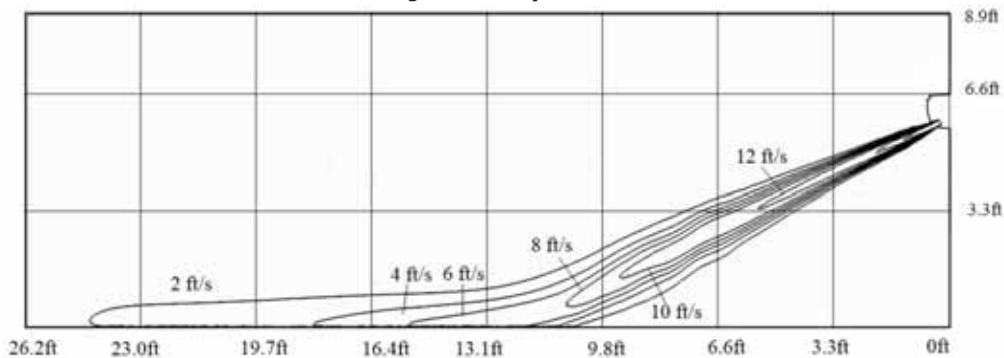


**Heating Temperature Distribution**

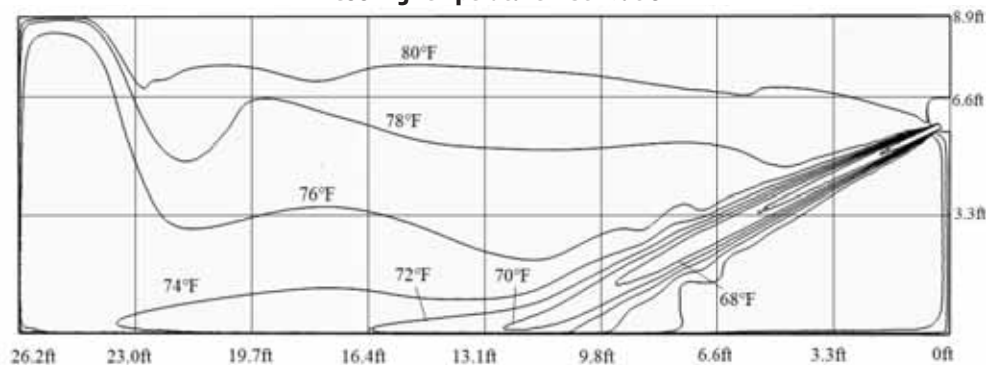


HW12HN2

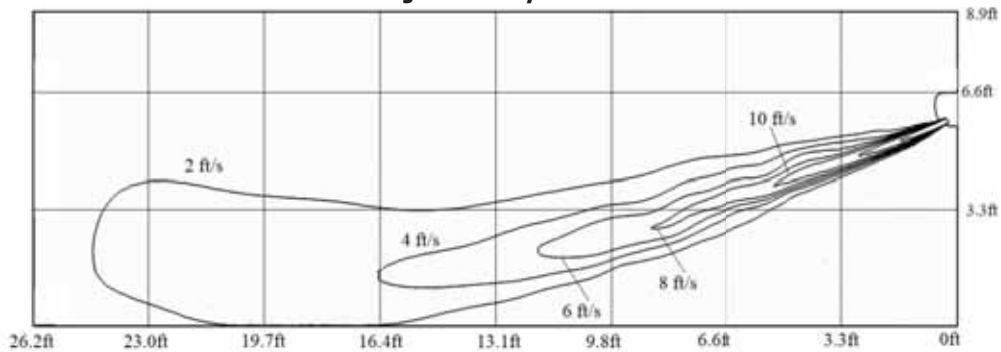
**Cooling Air Velocity Distribution**



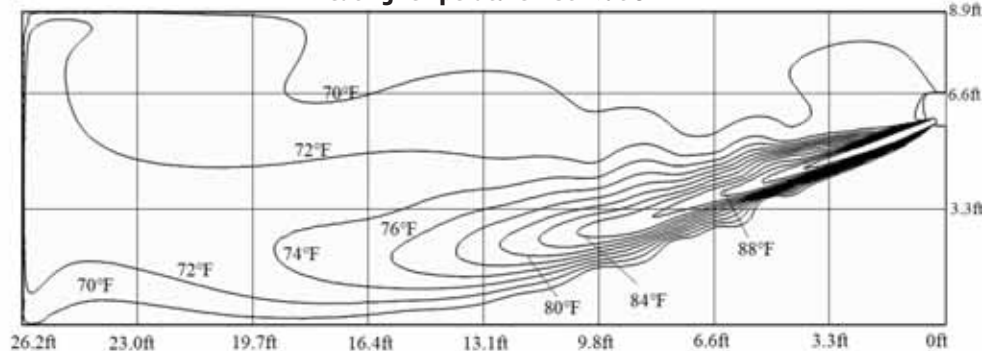
**Cooling Temperature Distribution**



**Heating Air Velocity Distribution**

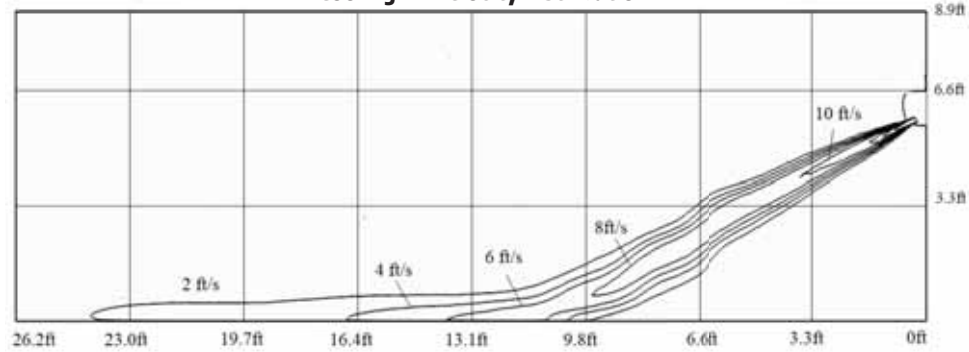


**Heating Temperature Distribution**

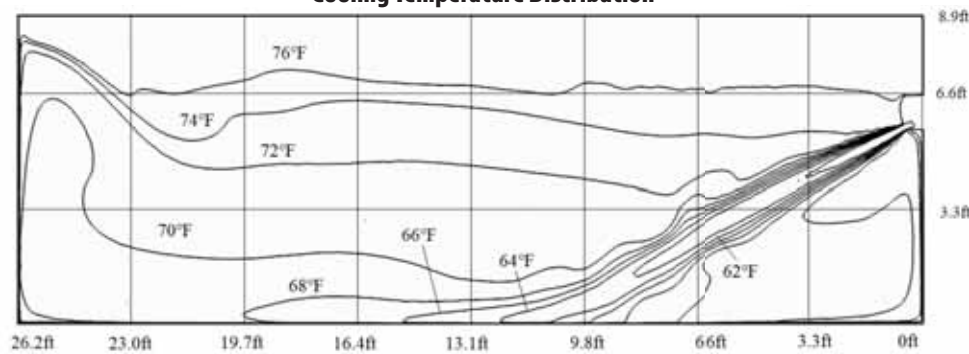


HW18HN2

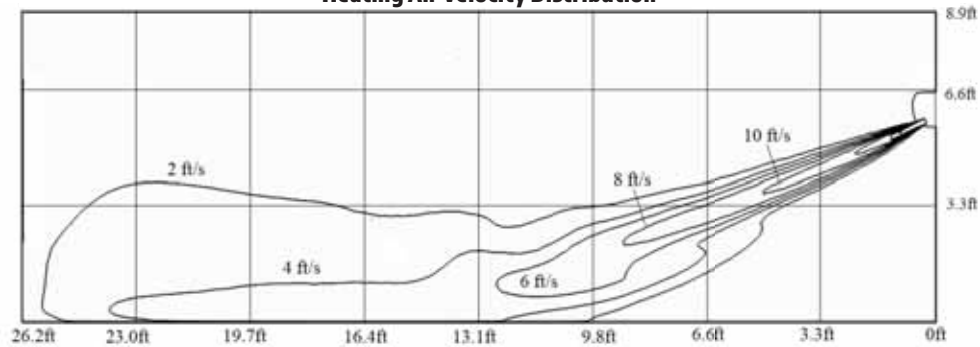
**Cooling Air Velocity Distribution**



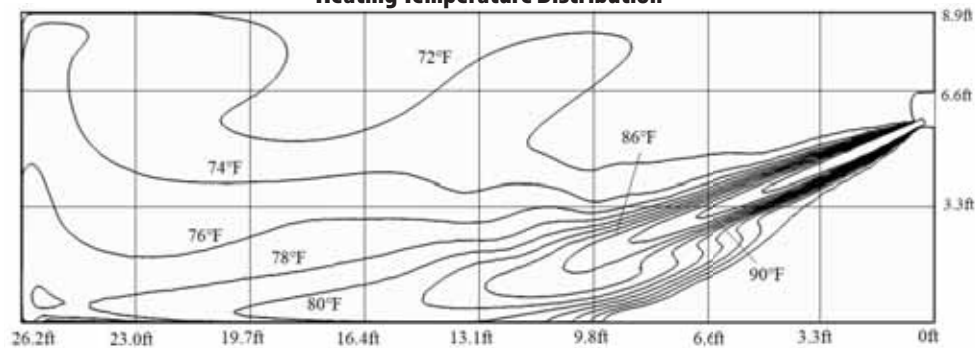
**Cooling Temperature Distribution**



**Heating Air Velocity Distribution**

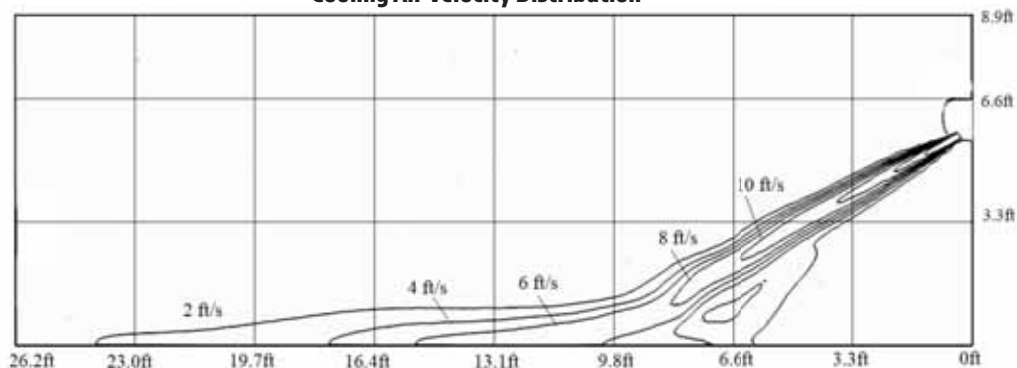


**Heating Temperature Distribution**

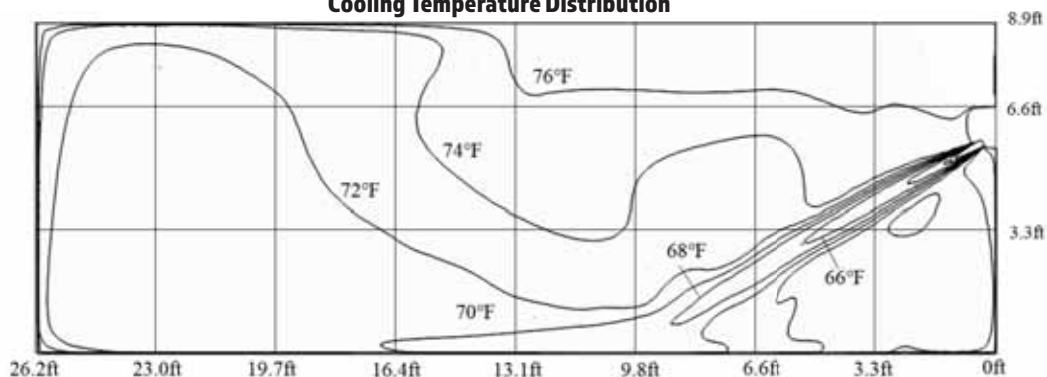


HW24HN2

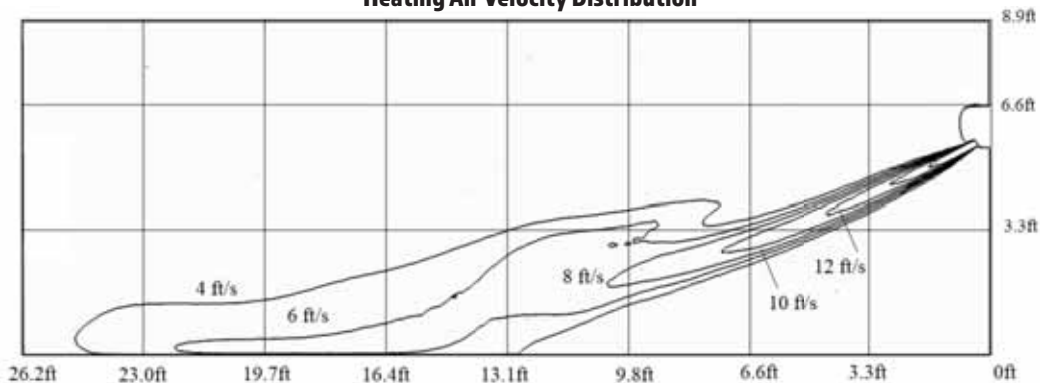
**Cooling Air Velocity Distribution**



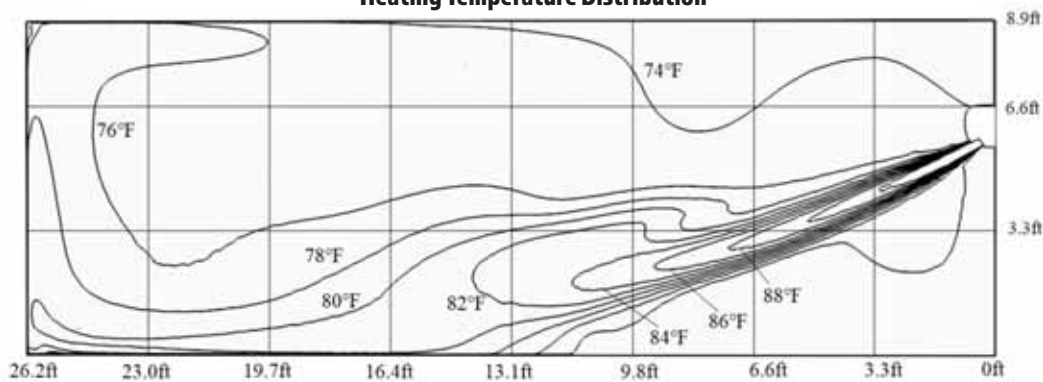
**Cooling Temperature Distribution**



**Heating Air Velocity Distribution**



**Heating Temperature Distribution**



## 4.6 Components

### (4.5.1) Coil

- A. The indoor coil shall be made with a blue colored hydrophilic coating on the aluminum fins and packed with internally grooved copper tubing, to increase the effective heat exchange surface area by 25%.
- B. Copper tubing shall have inner micro-grooves to increase effective heat transfer capabilities.
- C. Coils shall be pressure tested at 600-650 PSI using helium leak detection.
- D. The coil shall be charged with dry nitrogen for shipping at 70-100 PSI.

### (4.5.2) Fan Motor

- A. The fan motor shall be a sealed DC multiple-speed resin-packed motor
- B. The fan motor shall have permanently lubricated bearings.

### (4.5.3) Fan Blade

- A. The fan blade shall be a corrosion-resistant cross-flow blower.
- B. The fan shall be designed with optimized diameter and surface area to deliver quiet and even air flow.

### (4.5.4) Copper Piping

- A. The coil shall be connected to a length of insulated annealed copper.
- B. The ends of the tubing shall have male flare connections.

### (4.5.5) Air Louvers

- A. The supply air shall be distributed by horizontal non-motorized and vertical motorized louvers.
- B. Air Louvers shall provide wide angle of operation for both horizontal (120°) and vertical (90° from top to down) airflow movement to provide room comfort for each corner.

### (4.5.6) Display

- A. The wall mounted indoor unit shall have a 4.5 x 1.1-inch backlit temperature display capable of showing set or room temperatures.
- B. The display shall also have colored icons representing set mode.
- C. The display can be turned off from the wireless remote control.

### (4.5.7) WiFi

- A. The wall mounted indoor units shall come equipped with WiFi capabilities.

### (4.5.8) Filter

- A. The wall mounted indoor unit shall have removable air filters.
- B. The air filters shall be washable and reusable.

### (4.5.9) Control

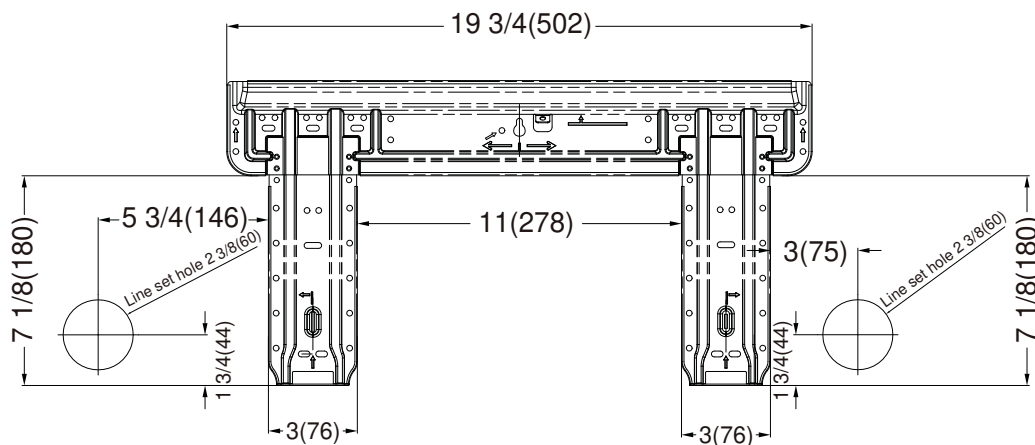
- A. The wall mounted indoor unit shall ship with the standard hand-held remote control.
- B. The wall mounted indoor unit shall be compatible with the simple wired controller and the programmable wired.

### (4.5.10) Installation Clip

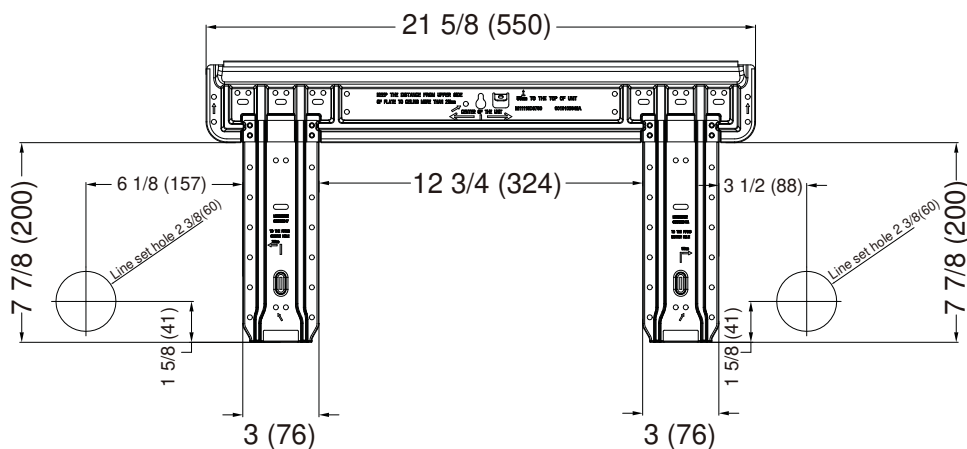
- A. The wall mounted indoor unit shall have a built-in clip that swings out and acts as a kick stand to allow for easier access to the rear of the unit during installation and repair.

## 4.7 Mounting Bracket Dimensions

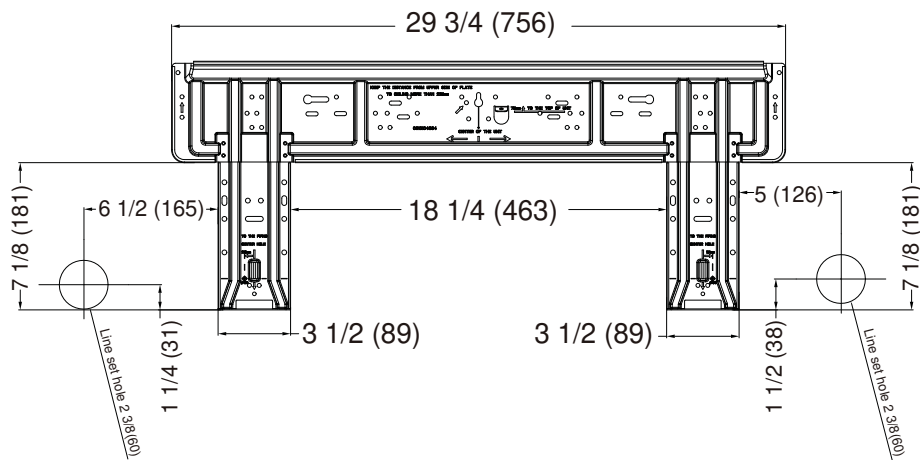
HW09HN2, HW12HN2



HW18HN2



HW24HN2



## 5.1 Standard Remote Control

### (5.1.1) General

- A. Standard remote control shall be compatible with wall mounted indoor units.
- B. Standard remote control shall come packaged with wall mounted indoor units

### (5.1.2) Connection

- A. Standard remote control shall be infrared.

### (5.1.3) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

### (5.1.4) Features

- A. The wireless control shall have a power button, individual mode buttons (Heat, Cool, Dry), temperature +/-, fan speed, vertical and horizontal louver adjustments.
  - B. The wireless control shall be capable of setting a precise temperature of  $\pm 1^{\circ}\text{F}$  ( $\pm 0.5^{\circ}\text{C}$ ).
  - C. The wireless control shall have a child lock function.
  - D. The wireless control shall have the ability to turn on/off the indoor unit display.
  - E. The wireless control shall display either Fahrenheit or Celsius.
- 

## 5.2 WiFi

### (5.2.1) General

- A. Units to come complete with WiFi Built in.

### (5.2.2) Connection

- A. WiFi shall have an app that is compatible with both iOS and Android.
- B. WiFi shall be paired with existing 2.4GHz network
- C. WiFi shall comply with Part 15 of the FCC rules.

### (5.2.3) Warranty

- A. The warranty shall cover all defects in workmanship or material for a period of 1 year. A new or refurbished controller will provide with sole discretion.

### (5.2.4) Features

- A. The WiFi shall be Google Home compatible.
- B. The WiFi shall be Amazon Alexa compatible.
- C. The homeowner shall have the ability to configure the WiFi.

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