

# 3WPD/3WMD | Single-Zone | Wall



Cold Climate | Heat Pump Outdoor Units | **R-32** | 60 Hz

RESIDENTIAL / COMMERCIAL  
PRODUCT SPECIFICATIONS (EHB)

SEER2 - 19.2

HSPF2 - 8.5

3 Tons

Cooling Capacity - 36,000 Btuh

Heating Capacity - 40,000 Btuh

Heating down to -13°F (-25°C)



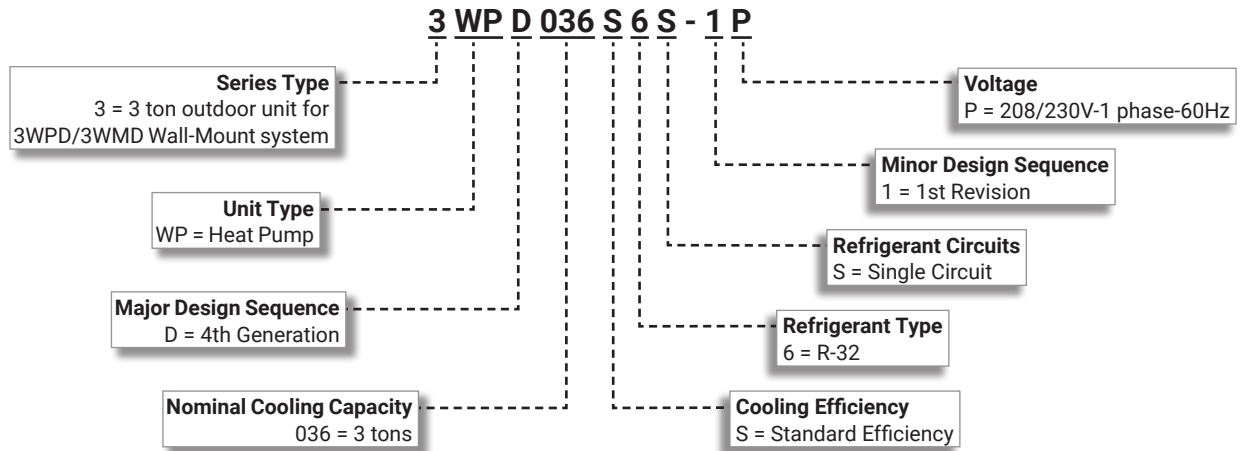
3WMD036 Wall-Mount Indoor Unit with  
Furnished Wireless Remote Controller

3WPD036 Heat Pump  
Outdoor Unit

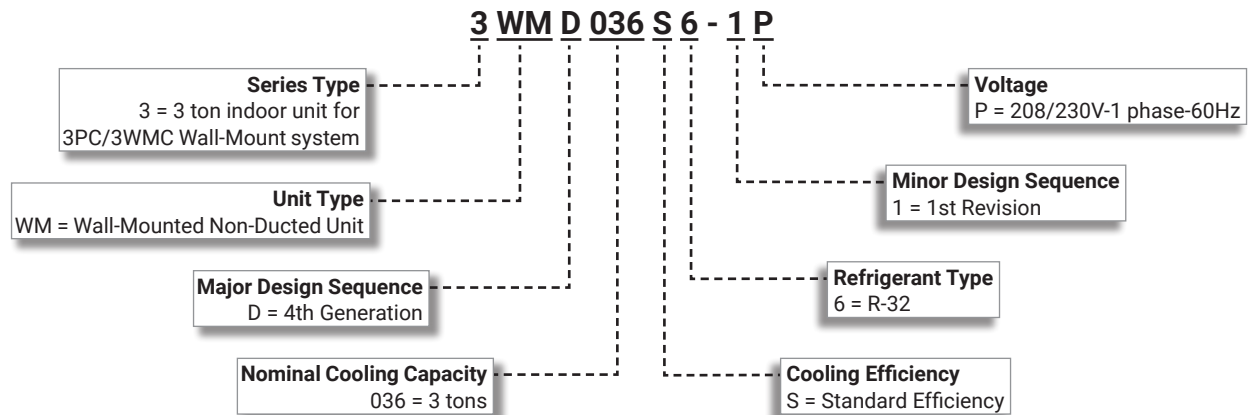


## MODEL NUMBER IDENTIFICATION

### OUTDOOR SINGLE ZONE HEAT PUMP UNIT



### WALL-MOUNTED INDOOR UNIT



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## APPROVALS AND WARRANTY

### **APPROVALS**

- AHRI Standard 210/240-2023 certified with Addenda 1 and 2
- ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment
- Rated According to U.S. Department of Energy (DOE) test procedures
- Outdoor units and components UL and CEC bonded for grounding to meet safety standards for servicing
- ETL certified for the U.S. and Canada
- Meets 2014 Florida Building Code Wind Design Criteria
  - Ultimate Wind Speed – 186 miles per hour
  - Risk Categories – III and IV
  - Wind Exposures – C and D
  - Mean Roof Heights – Up to 60 feet above ground

### **WARRANTY**

- Compressor - Limited seven years
- All other covered components
  - Limited five years in all applications
- Accessories and controls - Limited one year

**NOTE** - Refer to Lennox Basic Limited Warranty at [www.Lennox.com](http://www.Lennox.com) for additional details.

## FEATURES

### **APPLICATIONS**

- 3 ton
- Single phase power supply (208/230V)
- Sound levels as low as 48 dBA
- Ductless mini-split system provides a wide range of applications and provide an alternative when a ducted system is impractical or cost prohibitive
- Units shipped completely factory assembled, internally piped, and wired

**NOTE** - Outdoor unit is designed for outdoor location only.

### **REFRIGERATION SYSTEM**

#### **R-32 Refrigerant**

- Non-chlorine, ozone friendly
- Unit is factory pre-charged

#### **Outdoor Coil**

- Aluminum fins fitted to copper tubes
- Wire grille guard provided

#### **Hydrophilic Corrosion-Resistant Coating**

- Applied to aluminum fins
- Protects against salt damage, atmospheric corrosion, rusting, sea spray, and rain
- Resists moisture, chemicals, and solvents
- Improves condensation flow for drainage

## OUTDOOR UNITS

### **Outdoor Fans**

- Direct drive fans moves large air volumes uniformly through entire outdoor coil for high refrigeration capacity
- Fan guard provided

### **Refrigerant Line Connections, Service Valve**

- Flare connection lines are located on side of unit cabinet
- Fully serviceable brass service valve prevents corrosion and provides access to refrigerant system

### **COMPRESSOR**

#### **Variable Frequency Rotary Compressor**

- Compressor features high efficiency operation
- Balanced for reduced vibration and quiet operation
- Brushless DC motor uses powerful Neodymium magnets, which are approximately 15-20 times stronger than ferrite magnets used in conventional AC compressors

**CONTROLS****DC Inverter Control**

- Provides continuous operation, while adjusting capacity according to room temperature
- The accurate sensing of cooling loads prevents frequent changes in capacity and ensures efficient, economical operation

**Inverter Module Protection**

- Protects against differences in current, voltage and temperature
- Displays code on the indoor unit indicating a need for servicing

**Outdoor Unit Microprocessor**

- Electronic expansion valve control
- Automatic compressor timed-off protection (3 minutes)
- Temperature sensor
- LEDs on control display error codes and assist in troubleshooting
- 4-Way reversing valve control

**Electronic Expansion Valve**

- Furnished on all models

**Compressor Overcurrent Protection**

- Overcurrent protection can result due to any of the following:
  - Ambient temperature is too high
  - Locked rotor on the compressor
  - Outdoor air is blocked or restricted

**Condenser High Temperature Protection**

- Condenser high temperature can occur due to any of the following conditions:
  - High outdoor ambient
  - Outdoor fan blocked
  - Outdoor coil blocked
- The outdoor coil thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency if needed to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high the compressor will be de-energized

**Compressor Discharge Temperature Protection**

- The compressor discharge line thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high, the compressor will be de-energized

**Voltage Protection**

- Protects unit from low or high voltage fluctuations

**Terminal Strip**

- Furnished for easy wiring connections

**Defrost Control**

- Defrost cycle is automatically enabled if there is a build-up of frost on the outdoor coil
- Outdoor fan operation is terminated during the defrost cycle
- Indoor fan changes to ultra low speed during the defrost cycle to help bring warm refrigerant back to the outdoor coil to assist during defrost operation
- Defrost LED is lit on the indoor unit panel on the front cover during a defrost cycle

**Reversing Valve**

- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa
- Valve operates on pressure differential between outdoor unit and indoor unit of the system

**CABINET**

- Constructed of heavy gauge steel
- Tabs on unit base allow secure mounting to slab
- Condensate drain outlets furnished on unit base

**NOTE** - Drain must be field furnished.

- Pan heater prevents ice build-up in the bottom of the unit during heating operation
- Access cover for power and control wiring connections
- Access cover for service valves

3WMD high-efficiency wall-mounted unit provides a quality solution for heating or cooling a single room. Ideal for both residential and commercial applications. Unit delivers energy efficiency that can both lower costs and reduce energy waste, while its quiet operation offers maximum comfort.

#### LED Readout

- LED displays unit operation status, and codes for maintenance and servicing

#### Flare Connections

- Equipped with liquid and gas flare fittings for quick and secure piping connections

#### Multi-Refrigerant Outlet

- Allows left, right, or rear access for refrigeration line connections

#### Four Speed Fan

- Low, medium, high and turbo

#### Air Filter

- Built-in filter captures particulates as small as one micron
- Vacuum or washable reusable filter media

#### Electrical Connections

- Outdoor unit powers indoor unit

#### Serviceability

- Unit design incorporates more interlocking components in place of threaded fasteners to reduce the time and effort it takes to install and service a system

#### Wireless Remote Controller

- Furnished as standard, see page 8

#### Built-in Wi-Fi

- Compatible with SmartThings app and Bixby 2.0
- Allows voice control and monitoring from anywhere with an Internet connection through the SmartThings app

#### Scenes

- Control multiple devices with a single tap or voice command through the SmartThings app
- A Scene can be used as a part of an Automation

#### Automations

- Control devices without manual intervention
- Automations can be set to run at certain times on certain days of the week or to trigger when another device reports a certain condition (such as detecting motion or a door or window opening)

#### Energy Monitoring

- View daily, weekly, and monthly energy consumption for the system (reference use only)

#### Geo-fencing

- Detects when a smartphone comes in and out of the range of the system
- Range is set on a map in the app, and then triggers different actions that are set (Example: turning system off when away, or on when arriving home)

#### AI Mode

- AI Auto Mode monitors indoor temperature, outdoor temperature, set temperature, and operating time to learn the home patterns and automatically adjust system operation to maximize comfort

**NOTE** - Requires Internet connection and the SmartThings app.

#### External Heat Function

- Operate third-party heat source if needed
  - Supplemental option
  - Emergency heat option
- Compressor lockout option to only operate external heat source when outside temp is below X°
- Option to lockout external heat operation when outside ambient is above X°
- Operates external heat during defrost option
- Support Auxiliary or Emergency heat operation status on wired controllers

### OPTIONAL ACCESSORIES

#### Condensate Pumps

- Quietly and efficiently removes condensate
- See Optional Accessories Table for available pumps

#### Condensate Drain Line

- Non-kinking
- 160 ft. length
- UV stabilized low density white polyethylene

#### A/C Easy Tee® Condensate Cleanout

- Condensate drain service port
- Flexible and easy to use with nitrogen, water or shop vac
- Screw cap on top allows easy access to condensate drain line

#### Wired Remote Controllers

- Touchscreen Wired Controller, see page 13
- Programmable Wired Controller, see page 13

#### Thermostat Adaptor

- Allows system operation with any 24V thermostat, see page 14

## MOBILE APPS

### Lennox Home App



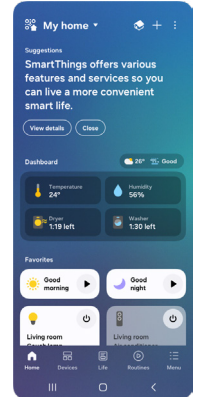
- The free Lennox Home App is available for use on smartphones.
- The Lennox Home App integrates with the SmartThings app to control Mini-Split system modes and fan operation



### SmartThings App



- SmartThings is a free app that uses Wi-Fi to connect smart devices built on the Matter protocol, regardless of the company that makes them
- Users can remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage, as well as troubleshoot solutions if service is needed
- Quickly and easily connect, automate and manage your smart home devices through SmartThings
- SmartThings is compatible with hundreds of smart home brands
- With SmartThings, you can connect, monitor and control multiple smart home devices quicker and easier
- Connect smart TVs, smart appliances, smart speakers and brands like Samsung, Ring, Nest and Philips Hue - all from one free app
- Control your smart devices using voice assistant skills including Alexa, Bixby and Google Assistant



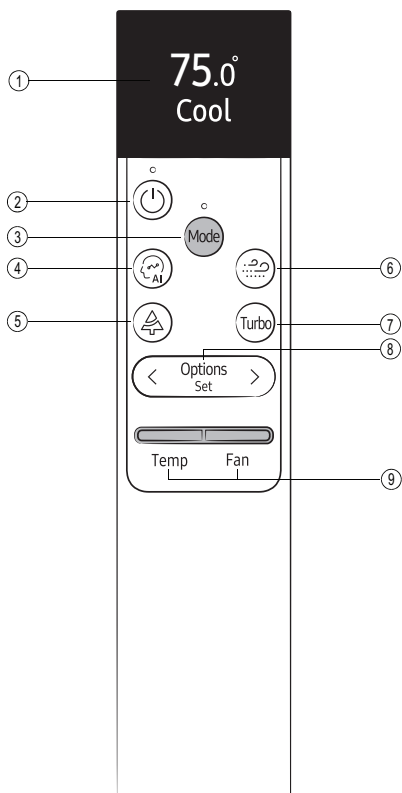


## REMOTE CONTROLLER - FURNISHED

### WIRELESS REMOTE CONTROLLER (V0STAT01P)

- Complete remote control of system
- Rechargeable - Two methods:
  - USB Type-C (5V/2A) (cable not furnished)
  - Solar panel on back of controller

**NOTE** - Features available depend on the type of indoor unit.



- 1 Display**
  - Shows current operation status and modes
- 2 ON/OFF Button**
  - Turns system on and off
- 3 Mode Button**
  - Select system operation modes
  - Auto, Cool, Dry, Fan, and Heat
- 4 AI Comfort Button**
  - Learns homeowner's use patterns and automatically adjusts temperature level while switching between Cool, Dry, Purify or "Calm Air" modes

**NOTE** - Only available on indoor models that support this feature.
- 5 Purify Button**
  - Creates a clean room climate by removing harmful substances from the air
  - Can be used in air conditioner or fan only mode

- 6 "Calm Air" Button (NOT AVAILABLE)**
  - Operates during Cool, Dry, or Fan mode
  - Closes the louvers and allows air through the holes in the panel
  - When louvers are closed thousands of micro holes in panel provide a dispersed, gentle flow of air defined as "still air"

**NOTE** - Only for models equipped with louvers.

During the "Calm Air" Cooling operation, air flow blades may open to control indoor air currents smoothly, depending on the installation settings. As soon as the indoor temperature and humidity changes, the air flow blades will close and "Calm Air" Cooling operation resumes.

- 7 Turbo Button**
  - Enables rapid cooling or heating to increase or decrease temperature in the area

**NOTE** - After 30 minutes system returns to normal operating condition.
- 8 Options Button**
  - Press to select different functions (see page 9)
  - Left and right arrows scroll through function selections
- 9 Temp/Fan Buttons**
  - Adjust the temperature or fan speed

**Temp Button**

  - Push the button up or down to adjust the temperature
    - Auto/Cool/Dry mode - 65 to 86°F (1°F degree increments)
    - Fan mode - Disabled
    - Heat mode - 61 to 86°F (1°F degree increments)

**Fan Button**

  - Push the button up or down to adjust the fan speed
    - Auto/Dry mode - Auto only
    - Cool/Heat mode - Auto/Low/Medium/High
    - Fan mode - Low/Medium/High



## REMOTE CONTROLLER MENUS AND FUNCTIONS

**NOTE** - Press the “Options” button to Start. The display changes to match the menu function selected. Left and right arrows scroll through function selections.

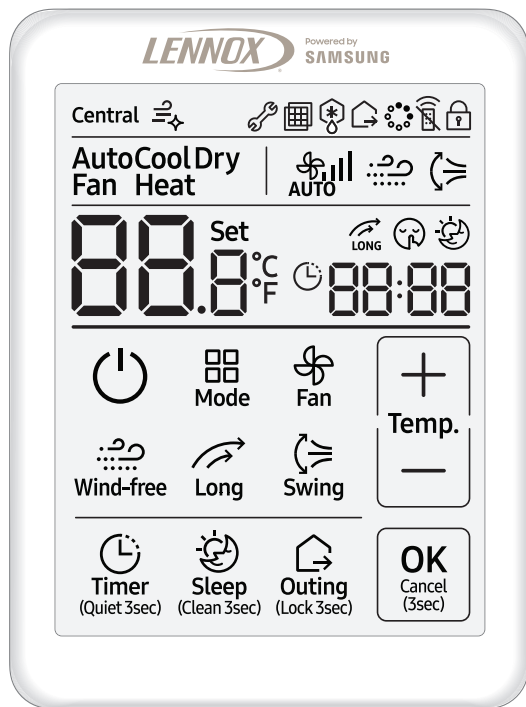
**NOTE** - Functions available depend on the type of indoor unit.

**NOTE** - Initial Settings for Indoor Unit - Options Button → Model Selection (set) → Standard (set) → Temp Unit → °F or °C (set)

Functions Available When Controller is “ON”		Functions Available When Controller is “OFF”	
Main Menu	Sub-Menu	Main Menu	Sub-Menu
← Back	- - -	← Back	- - -
Auto Clean	- - -	Auto Clean	- - -
Timer/Good Sleep →	← Back Timer Off Timer On Good Sleep Cancel	Timer/Good Sleep →	← Back Timer Off Timer On Good Sleep Cancel
Motion Detection →	← Back Air Direction Power Saving	Motion Detection →	← Back Air Direction Power Saving
Quiet	- - -	Freeze Wash	- - -
Long Wind	- - -	- - -	- - -
Direction →	← Back Fix Vertical Horizontal All	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -
Blades →	← Back Blade 1 Blade 2 Blade 3 Blade 4	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -
Zones →	← Back Zone 1 Zone 2 Zone 3 Zone 4	Zones →	← Back Zone 1 Zone 2 Zone 3 Zone 4
Settings →	← Back Beep Lighting AI Diagnostics Model Selection Filter Reset Temp Unit Heating Range Auto Mode	Settings →	← Back Beep Lighting AI Diagnostics Model Selection Filter Reset Temp Unit Heating Range Auto Mode

**NOTE** - “Back” function returns to the previous function.

## REMOTE CONTROLLERS - OPTIONAL



### TOUCHSCREEN WIRED CONTROLLER (VSTAT02P-1)

**NOTE - Features available depend on the type of indoor unit.**

#### Features

- Backlight
- Built-in infrared receiver to allow control of indoor unit wirelessly with a wireless controller
- Indoor unit operation ON/OFF, operation mode, set temperature, louver position (cassette, ceiling, wall units), calm air, long reach, and fan speed settings
- Error display
- Filter replacement alarm display and reset
- All button lock (option)
- Partial controller button lock (ON/OFF, temperature setting, fan speed, timer function, louver swing, sleep function, quiet function, outing function, and operation mode buttons)
- Upper and lower temperature setting restriction
- Heat, cool, dry, fan, and auto mode skip options (skips specified mode on wired controller)
- Restrict wireless controller signal (optional)
- Single event timer function (ON/OFF control, 30 minutes – 24 hours timer setting options)
- System/indoor unit function and operation indication (defrost, error, restricted controller, central control, and PM filter status)
- Service mode for connected indoor unit operation monitoring, addressing, and setup
- Can be used to specify "Mode Master" while connected to a single indoor unit when used with heat pump systems to control system mode (heating or cooling)

- Outing function to keep a minimum heating (61 to 72°F) and cooling (77 to 86°F) temperature while away
- When Outing mode is activated, the unit will operate at the specified Outing temperature. If indoor temperature is 9°F different from desired Outing temperature, the indoor unit will turn on
- If indoor temperature is the same as desired Outing temperature, the indoor unit will turn off automatically
- This is repeated depending on indoor temperature for 12 hours. After 12 hours, Outing mode is released/ canceled
- Supports enabling indoor unit AP mode for connecting integral indoor unit Wi-Fi adapter to SmartThings, and turning indoor unit Wi-Fi connection ON/ OFF, indoor unit Wi-Fi information reset, and Wi-Fi adapter reset

### SPECIFICATIONS

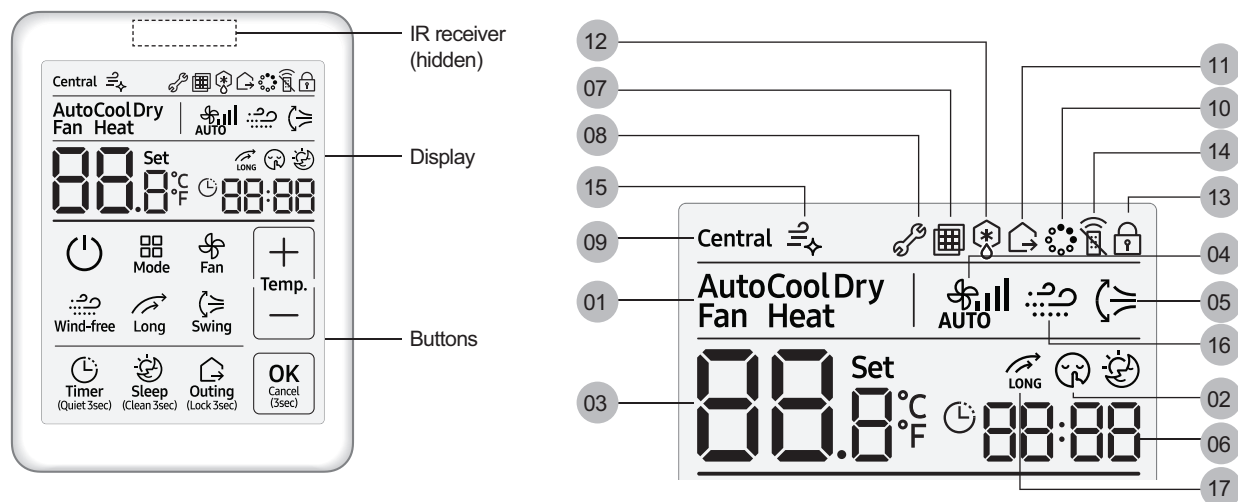
Power Supply	12VDC
Power consumption	1.5W
Operating temperature range	32 to 104°F
Operating humidity range	30 to 90% RH
Communication	2-wire PLC
Maximum wire length	328 ft. (100 m)
Dimensions (H x W x D)	4-3/4 x 3-5/8 x 3/4 in. (121 x 92 x 19 mm)

### Required Component

#### Sub-Control Board

- Required to connect and control indoor wall-mount unit with Touchscreen Wired Controller (VSTAT02P-1)
- Provides 12VDC and communication to wired controller
- Required when for simple ON/OFF control and operation/error output
- Installs in a single indoor unit
- Includes Sub-Control Board, wire harness, and case

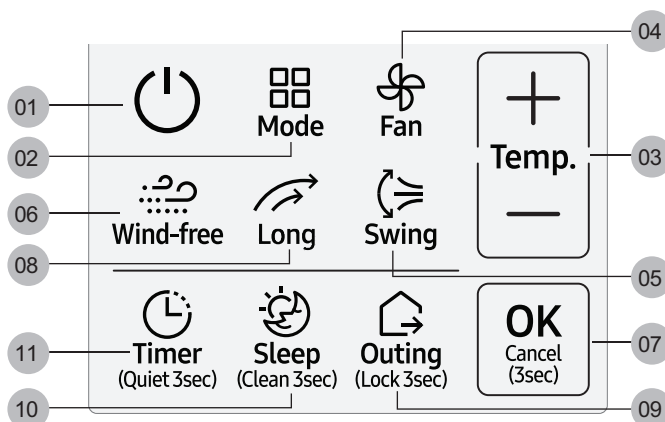
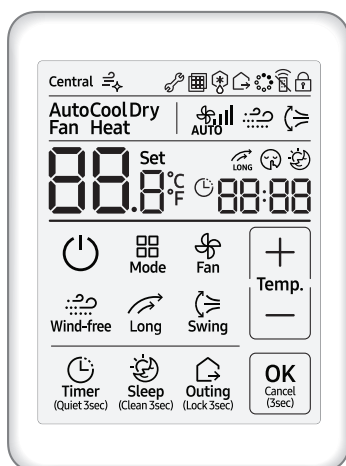
## TOUCHSCREEN WIRED CONTROLLER FUNCTIONS (VSTAT02P-1)



**NOTE - Functions available depend on the type of indoor unit.**

Number	Description
1	Displays system mode of operation
2	Displays quiet operation
3	Displays Indoor temperature/Set temperature
4	Displays indoor unit fan speed
5	Displays air swing (Up/Down)
6	Displays ON/OFF time (scheduled time)
7	Displays filter cleaning (filter cleaning period)
8	Displays error
9	Displays centralized control
10	Displays S-Plasma Ion operation
11	Displays outing (away) mode
12	Displays defrost operation
13	Displays partial locking/all locking/invalid operation
14	Displays IR receiver for wireless remote controller (Default - off)
15	Displays Clean operation
16	Displays Calm Air (Wind-Free) Cooling operation (NOT AVAILABLE)
17	Displays Long reach operation

## TOUCHSCREEN WIRED CONTROLLER FUNCTIONS (VSTAT02P-1)



**NOTE - Functions available depend on the type of indoor unit.**

Number	Description	
1	Operation on/off button	Turn the system power on/off
2	Mode button	Select a desired system operation
3	Temperature setting button	Set a desired temperature and adjust the time
4	Fan speed button	Change the indoor unit fan speed
5	Air swing button	Select the air flow direction of the indoor unit
6	Calm Air (Wind-Free) button	Select Calm Air (Wind-Free) Cooling operation (NOT AVAILABLE)
7	OK/Cancel button	Confirm or cancel (by pressing and holding the button for 3 seconds)
8	Long button	Select Long reach function
9	Outing/Lock button	Select outing operation for the indoor unit/Lock the wired remote controller
10	Sleep/Clean button	Select Sleep/Clean operation for the indoor unit
11	Timer/Quiet button	Select the timer function/quiet operation for the indoor unit

## REMOTE CONTROLLERS - OPTIONAL



### **PROGRAMMABLE WIRED CONTROLLER (VSTAT04P-1)**

**NOTE - Features available depend on the type of indoor unit.**

#### **Indoor Unit Control**

- Air handler operation ON/OFF
- Air handler operation mode, set temperature, air flow direction, fan speed
- Discharge air temperature setting (for supported indoor unit models)
- Filter replacement alarm display and reset
- Time synchronization with supported Samsung central controllers
- Dual Set Temperature (for supported indoor unit models)
- Advanced HP auto changeover control and configuration
- Quiet and sleep modes
- Freeze Wash activation
- Error display (up to 10 error codes with descriptions)
- Supports enabling indoor unit AP mode for connecting integral indoor unit
  - Wi-Fi adapter to SmartThings, and turning indoor unit Wi-Fi connection ON/OFF, indoor unit Wi-Fi information reset, and Wi-Fi adapter reset

#### **Energy Saving Operation**

- Upper/lower temperature restriction setting
- Occupied/unoccupied settings
- Setback function
- Energy saving operation mode
- Energy consumption monitoring and daily, weekly, monthly, and yearly energy consumption trending (for supported systems)
- Maximum current control (for supported outdoor unit models)

#### **Weekly Operating Schedule**

- Weekly operating schedule
- Set desired A/C operation mode, setting temperature and fan speed to operate based on weekly schedules
- Schedule exception day option

#### **Additional Features**

- Emergency heat/auxiliary heat operation indication on display (for supported outdoor unit models)
- Color display screen
- Different button permission levels
- Supports multiple languages
- Partial button lock options (operation on/off, heat mode, cool mode, fan mode, dry mode, auto mode, set temperature, fan speed, scheduling, calm air, Long-wind, quiet mode, and sleep mode buttons can be locked individually)
- Daylight savings clock advance option
- Temperature limit setting option
- Real-time clock function
- Built-in IR receiver for indoor unit control using a wireless controller and integral room temperature sensor
- Indoor unit operation state display
- Indoor unit service mode support
- Micro SD card slot for simple firmware updating
- Independent louver control for cassette units
- Airflow direction control for 360° Cassette indoor units
- Adjustable heating temperature compensation values
- Calm Air (Wind Free) Control (NOT AVAILABLE)
- MDS (Motion Detection Sensor) Indirect/Direct Control (for supported indoor units, accessory may be required)
- Long Reach Function (for supported indoor unit models)
- Automatic air volume enable and status viewing (for supported indoor unit models)

### **SPECIFICATIONS**

Power supply	12VDC
Power consumption	2W
Operating temperature range	32 to 104°F
Operating humidity range	30 to 90% RH
Communication	2-wire PLC
Maximum wire length	328 ft. (100 m)
Dimensions (H x W x D)	4-3/4 x 4-3/4 x 3/4 in. (121 x 121 x 19 mm)

## OPTIONAL CONTROL ACCESSORIES



### **Thermostat Adaptor**

**NOTE - Features available depend on the type of indoor unit.**

#### **Features**

- Allows control of Lennox mini-split systems with a standard 24VAC thermostat
- One adaptor per indoor unit connected to the F3-F4 communication line
- Basic control:
  - Power: ON/OFF
  - Mode: Heat, Cool, Fan (auto, low, medium, high)
- Supports 1 or 2 stages cooling inputs, 1 or 2 stages heating inputs
- Can be configured to operate the indoor unit as primary heating source, secondary heating source, or cooling only with heat from an external source only
- External contact input to disable the unit when contact is opened

#### **Option Settings**

- Single fan input or 3 speed input for Low, Medium, and High
- Heat staging options:
  - Stage 1 and 2: Indoor unit operates in heat mode
  - Stage 1: Indoor unit operates in fan mode  
Stage 2: Indoor unit operates in heat mode
  - Stage 1: Indoor unit OFF  
Stage 2: Indoor indoor unit operates in heat mode
  - Stage 1: Indoor unit OFF. Stage 2: Indoor unit OFF (heating is only provided by external source that does not require fan operation from the Indoor unit)
- “Emergency Heat” output enable
- Stage 1 and stage 2 heating and cooling set temperature

### **SPECIFICATIONS**

Power Supply	24VAC (field supplied transformer required)
Installation temperature range	32 to 122°F
Installation humidity range	10 to 85% RH
Maximum wire length	328 ft. (100 m)
Dimensions (H x W x D)	5-1/8 x 5 x 1-1/2 in. (130 x 127 x 38 mm)

(See Optional Accessories Table on page 18 for Selection)

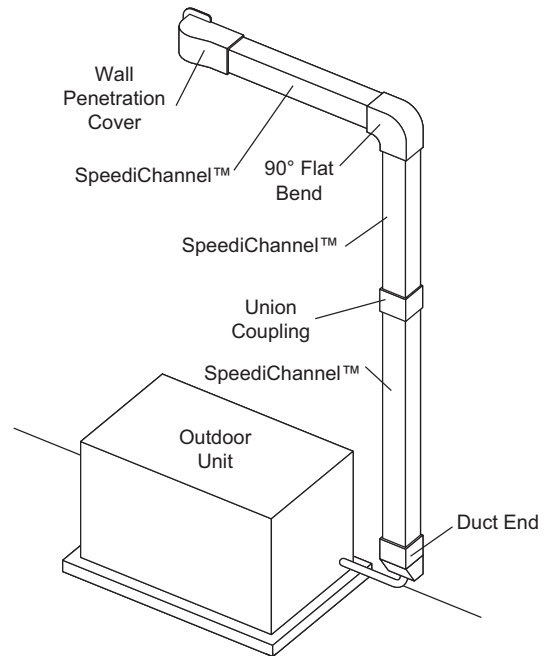
- Equipment Pads
- Equipment Stands
- Hail Guards
- Wind Baffles
- Wall Brackets
- Line Sets
- Control Wiring
- Disconnects
- Whips

**SPEEDICHANNEL™ SYSTEM**



- SpeediChannel™ is a channel system covers system line sets
- Two-part system has a base and a cover
- Base is fastened to a wall or ceiling with plastic clips (SpeediClip™) that snap into a channel already molded into the base
- Cover fits on top of the base
- Manufactured from rigid PVC, which is UL rated and resistant to UV light
- System is a natural color that closely matches typical mini-split outdoor units
- Can be painted as desired to match any wall color

**Typical Application**





## OPTIONAL ACCESSORIES - ORDER SEPARATELY

### **SPEEDICHANNEL™ SYSTEM (continued)**

#### **SpeediChannel™ Starter Kit**

- The starter kit includes (1) Coupling, (1) Wall Penetration, (1) Inside Elbow, (1) Long Radius Flat Bend, (10) Speediclips™, (10) 11 in. Cable Ties, and (1) SpeediChannel Instruction Booklet

#### **Duct End**

- Duct Ends are used to terminate a run of SpeediChannel™ to a small opening just large enough for the line set and condensate drain line to pass through



#### **Flat Wall Escutcheon**

- Flat Wall Escutcheons are used to cover a rough opening in a soffit, wall, or ceiling penetration



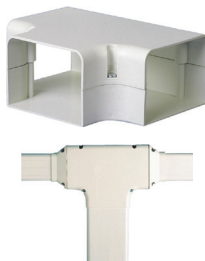
- One side of the escutcheon is flat to allow for a SpeediChannel™ to run along a wall and to penetrate through an adjacent wall or ceiling
- This is the most common type of wall penetration
- Furnished in two parts, the escutcheon easily snaps onto the SpeediChannel™

#### **Flex Joint**

- A Flex Joint is an accordion-style piece of SpeediChannel™
- The flex joint can be extremely flexible when routing a SpeediChannel™ system around an obstacle
- Each joint is 20 in. long and can be combined together for longer flex runs
- The flex joint does not require the use of a union coupling
- The flex joint slides tightly inside the SpeediChannel™ system

#### **T-Joint**

- T-Joints are used for creating a tee connection between three pieces of SpeediChannel™
- Each tee is individually packed and furnished with stainless steel screws



#### **Union Coupling**

- Union Couplings are used for joining two pieces of SpeediChannel™
- Each coupling is individually packed and furnished with stainless steel screws



#### **Wall Penetration Cover**

- Wall penetration covers are used to transition from the SpeediChannel™ system to a through wall penetration
- Wall covers are designed to allow for easy installation, even after the line set has been installed
- A hooking and fastening arrangement allows for quick installation
- Each wall cover is individually packed, and furnished with stainless steel screws to attach the wall cover to the base
- Three screws are necessary to fasten the wall cover to the wall construction, regardless of the type of installed system



#### **45° and 90° Flat Bend Elbows**

- 45° Flat Bends are used to route the SpeediChannel™ around obstacles
- Each bend is individually packed and furnished with stainless steel screws



45°



90°

#### **90° Inside Elbow**

- 90° Inside Elbows are used to route the SpeediChannel™ around an inside corner
- Each elbow is individually packed and furnished with stainless steel screws



#### **Mount Block White Qty. (2) 14 in. and (2) 36 in.**

- Mount Blocks are used as mounting bases when outdoor units must be bolted down
- End caps (for aesthetics) come furnished with mounting bolts
- Maximum load capacity is 900 pounds per mounting block
- Installation temperatures range from -4°F to 140°F
- Mount blocks fit all mini-split outdoor units with a sliding rail feature



SPECIFICATIONS		3WPD OUTDOOR UNIT	
Model		3WPD036S6S	
Tons		3	
Ambient Temperature Range - °F	Cooling	-4 to 22	
	Heating	-13 to 75	
Connections	Liquid (flare) - in.	3/8	
	Gas (flare) - in.	5/8	
	Basic Pipe Length - ft.	25	
	Maximum Pipe Length - ft.	246	
	Maximum elevation - ft.	99	
Refrigerant	Charge furnished (R-32)	7 lbs. 12 oz.	
Compressor	Type	Twin Rotary	
	Output (kW)	3.6	
	Refrigerant oil type	POE	
	Initial oil charge - oz	50.7	
Outdoor Fan	Number and Type	2 Propellers	
	cfm	4414	
Outdoor Fan Motor	Type	BDLC	
	Output (W)	125 x 2	
Outdoor Coil	Type	Aluminum Fin/Copper Tube	
Sound Data (dBA)	Cooling	69	
Shipping Data	Net	212	
	Shipping	234	
ELECTRICAL DATA			
Line voltage data (Volts-Phase-Hz)		208/230-1-60	
<sup>1</sup> Maximum Overcurrent Protection (MOCP) amps		40	
<sup>2</sup> Minimum circuit ampacity (MCA)		35.8	

NOTE - Extremes of operating range are plus and minus 10% of line voltage.

<sup>1</sup> HACR type circuit breaker or fuse.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS			3WMD INDOOR UNIT	
Model			3WMD036S6	
Tons			2	
Line voltage data (Volts-Phase-Hz)			208/230-1-60	
Connections	Liquid (flare) - in.		1/4	
	Gas (flare) - in.		5/8	
	Condensate drain OD - in.		3/4	
Fan	Air Volume - cfm (Turbo / High / Medium / Low)	Cooling	830 / 752 / 699	
		Heating	830 / 752 / 699	
		Output (W)	58	
Filter			Washable	
Sound Data (dBA)		Low/High	38 / 46 / 48 / 51	
Weight Data		Net	41	
		Shipping	50	

AHRI SYSTEM MATCHES										
Outdoor Unit	Indoor Unit	Indoor Unit Type	Cooling Capacity	SEER2	EER2	Heating Capacity		HSPF2 (IV)	AHRI Reference Number	Energy Star Certified?
						High	Low			
3WPD036S6S-1P	3WPD036S6S-1P	Non-Ducted	36000	19.2	9.5	40000	30400	8.5	216411320	Yes

Ratings are AHRI certified to AHRI Standard 210/240-2023;

- Cooling Ratings - 95°F wet bulb/75°F dry bulb outdoor air temperature and 80°F dry bulb/67°F wet bulb entering indoor coil air.
- High Temperature Heating Ratings - 47°F dry bulb/43°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air.
- Low Temperature Heating Ratings - 17°F dry bulb/15°F wet bulb outdoor air temperature and 70°F dry bulb/60°F wet bulb entering indoor coil air.

To convert HSPF from Region IV to Region V - Divide by 1.15.

## OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Order Number	Size 036
OUTDOOR UNIT			
Line Sets	3/8 x 5/8   3/8   25 ft.	<b>X8406</b>	•
Liquid x Gas OD   Insulation Thickness   Length	3/8 x 5/8   3/8   50 ft.	<b>X8407</b>	•
Hail Guards	Side	<b>38U99</b>	•
	Back	<b>38U93</b>	•
Wind Baffles	Front	<b>38V35</b>	•
	Back	<b>39B41</b>	•
Equipment Pads	18 x 38 x 3 in. direct mount, gray plastic	<b>Y5014</b>	•
	24 x 48 x 3 in. black	<b>28V63</b>	•
Equipment Stands	12 in. height, adjustable 34 to 40 in. white	<b>Y8240</b>	•
	18 in. height, adjustable 34 to 40 in. white	<b>Y8236</b>	•
	18 in. height, 30 x 40 in. gray	<b>28U18</b>	•
Wall Brackets	Wall unit installation support tool	<b>Y6999</b>	•
	30 x 16 in. (D x H) gray (qty 2)	<b>X1727</b>	•
	25 x 18-3/8 in. (D x H), adjustable width 6 to 34 in. SS, wind/hurricane rated	<b>Y8239</b>	•
Control Wiring	Five conductor cable, 250 ft. (14/3, 16/2)	<b>29F41</b>	•
	Weather-tight cable connector (qty 1)	<b>29F45</b>	•
Disconnects	60A Pull-out Fusible	<b>Y9685</b>	•
	60A Pull-out Non-Fusible	<b>Y9686</b>	•
Whips	Metal Fittings 3/4 in. x 6 ft., 8 AWG	<b>27P44</b>	•
	Plastic Fittings 3/4 in. x 6 ft., 8 AWG	<b>46N89</b>	•
SPEEDICHANNEL™ SYSTEM			
SpeediChannel™ Starter Kit - 4 in.		<b>Y7950</b>	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)		<b>Y3388</b>	•
Union Coupling - 4 in.		<b>Y3389</b>	•
90° Flat Bend Elbow - 4 in.		<b>Y3390</b>	•
90° Inside Elbow - 4 in.		<b>Y3391</b>	•
90° Outside Elbow - 4 in.		<b>Y6074</b>	•
45° Flat Bend Elbow - 4 in.		<b>Y3392</b>	•
Flex Joint - 4 in.		<b>Y3393</b>	•
T-Joint - 4 in.		<b>Y3394</b>	•
Duct End - 4 in.		<b>Y3395</b>	•
Flat Wall Escutcheon - 4 in.		<b>Y3396</b>	•
Wall Penetration Cover - 4 in.		<b>Y3399</b>	•
Mount Block (White) Qty, 2 - 14 in.		<b>Y3397</b>	•
Mount Block (White) Qty, 2 - 36 in.		<b>Y3398</b>	•
CONTROLS			
Touchscreen Wired Controller	VSTAT02P-1	<b>37P79</b>	•
Programmable Wired Controller	VSTAT04P-1	<b>37Y74</b>	•
Thermostat Adaptor (24V)	VSTAT09P-1	<b>37Y96</b>	•

## COOLING / HEATING CAPACITY

### 3WMD036S6-1P + 3WPD036S6S-1P COOLING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW	TC MBH	SHC MBH	PI kW
0	32.1	23.2	2.20	33.8	23.9	2.24	35.2	24.6	2.29	36.3	25.4	2.34	37.0	25.2	2.36	38.9	24.9	2.38	40.8	24.4	2.43
70	36.5	26.4	2.33	38.4	27.2	2.38	40.0	28.0	2.43	41.3	28.9	2.48	42.1	28.6	2.50	44.2	28.3	2.52	46.4	27.7	2.57
95	29.2	21.1	2.59	30.7	21.7	2.64	32.0	22.4	2.70	33.0	23.1	2.75	33.7	22.9	2.78	35.3	22.6	2.81	37.1	22.2	2.86
115	30.7	22.1	4.09	32.3	22.8	4.17	33.6	23.5	4.26	34.7	24.3	4.35	35.3	24.0	4.39	37.1	23.8	4.43	39.0	23.3	4.52
122	27.7	21.5	3.75	29.2	22.1	3.83	30.4	22.8	3.91	31.4	23.5	3.99	32.0	23.3	4.03	33.6	23.0	4.07	35.3	22.6	4.15

TC = Total Capacity

SHC = Sensible Heating Capacity

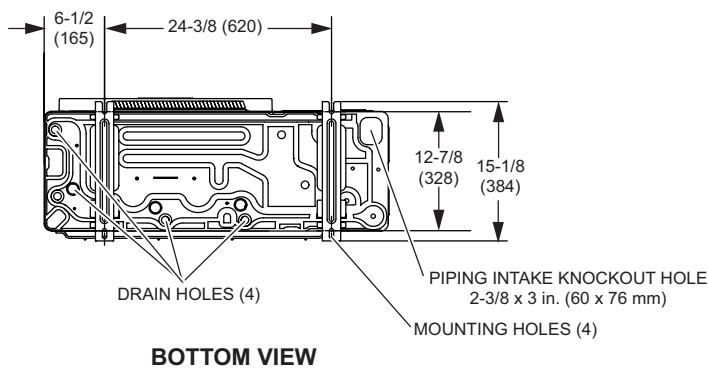
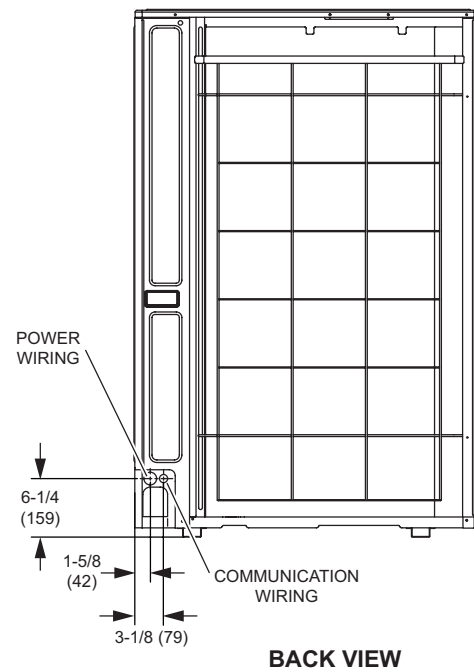
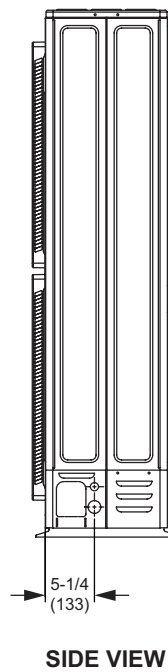
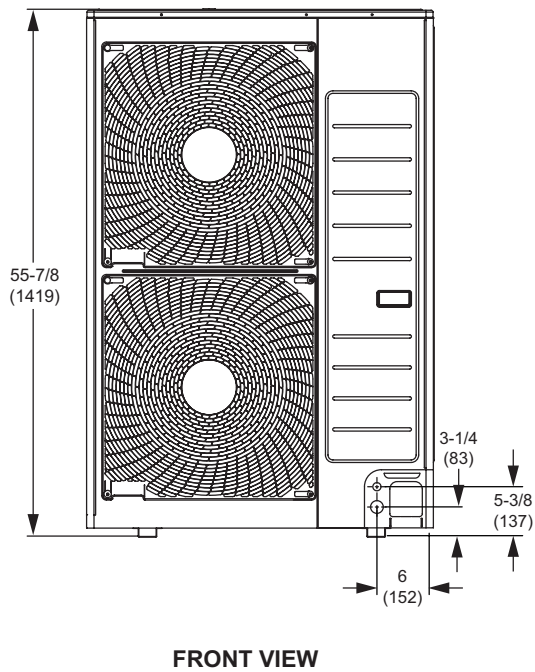
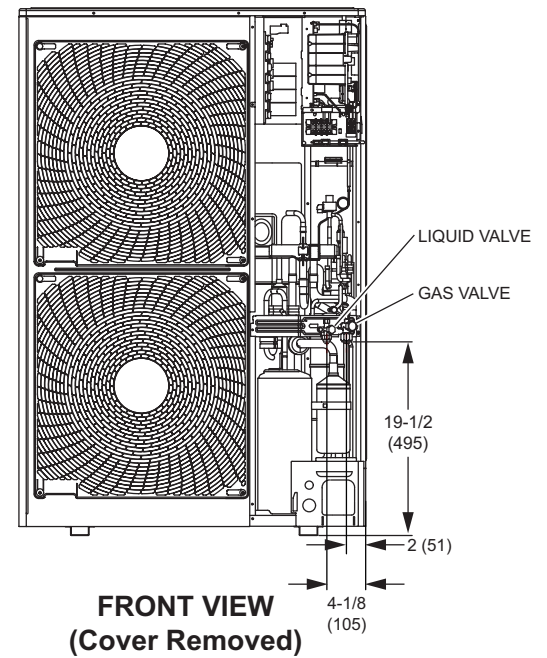
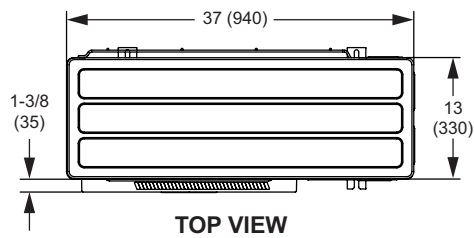
PI - Power Input

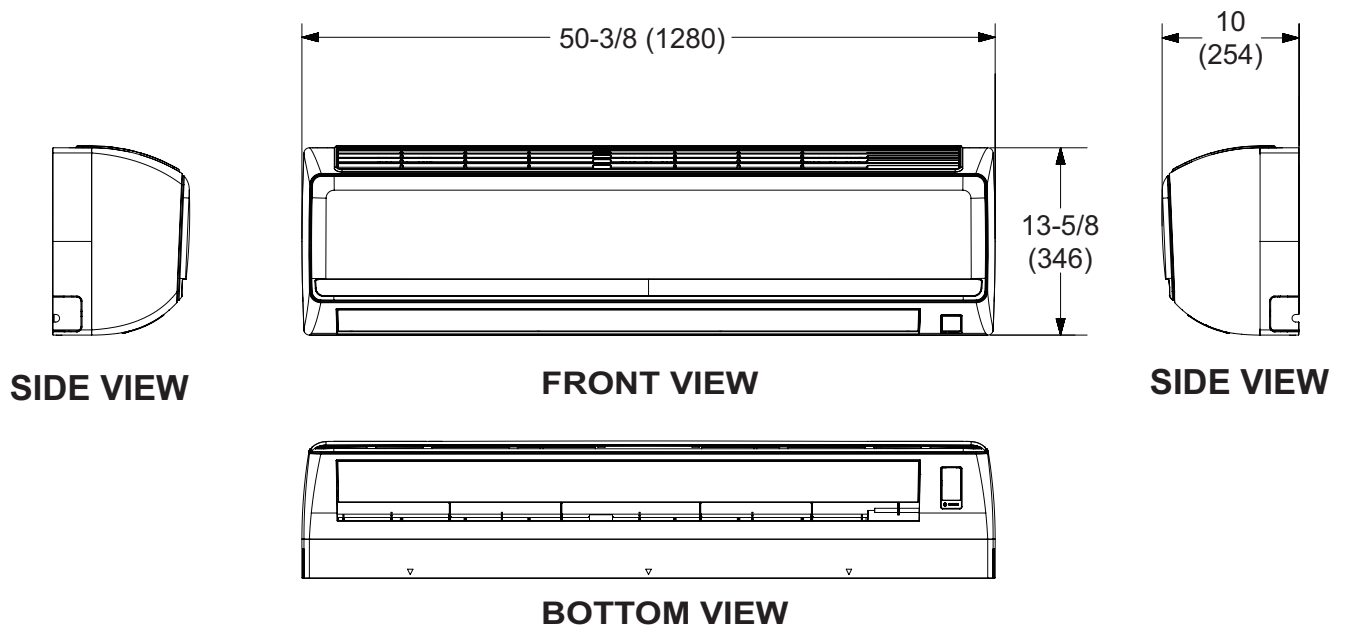
### 3WMD036S6-1P + 3WPD036S6S-1P HEATING CAPACITY

Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-13	33.0	6.12	32.6	6.06	32.3	6.00	32.0	5.94	31.7	5.88	31.4	5.82
-4	39.2	6.95	38.8	6.89	38.4	6.82	38.0	6.75	37.6	6.68	37.2	6.62
14	43.3	6.95	42.8	6.89	42.4	6.82	42.0	6.75	41.6	6.68	41.2	6.62
32	47.4	6.72	46.9	6.66	46.5	6.59	46.0	6.53	45.5	6.46	45.1	6.40
47	41.2	4.64	40.8	4.59	40.4	4.55	40.0	4.50	39.6	4.46	39.2	4.41
75.2	53.6	5.10	53.0	5.05	52.5	5.00	52.0	4.95	51.5	4.90	51.0	4.85

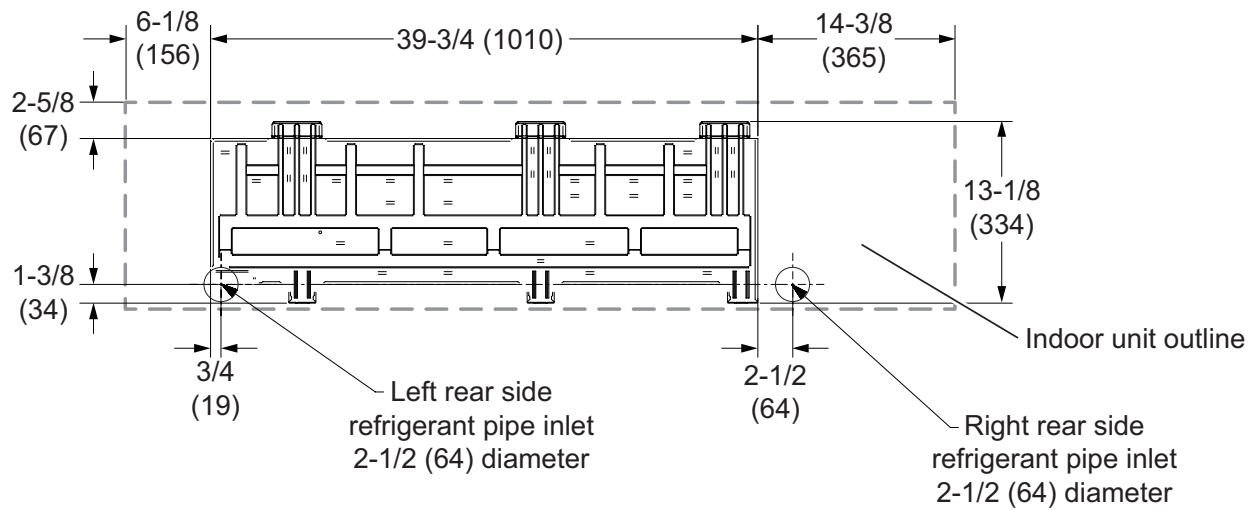
TC = Total Capacity

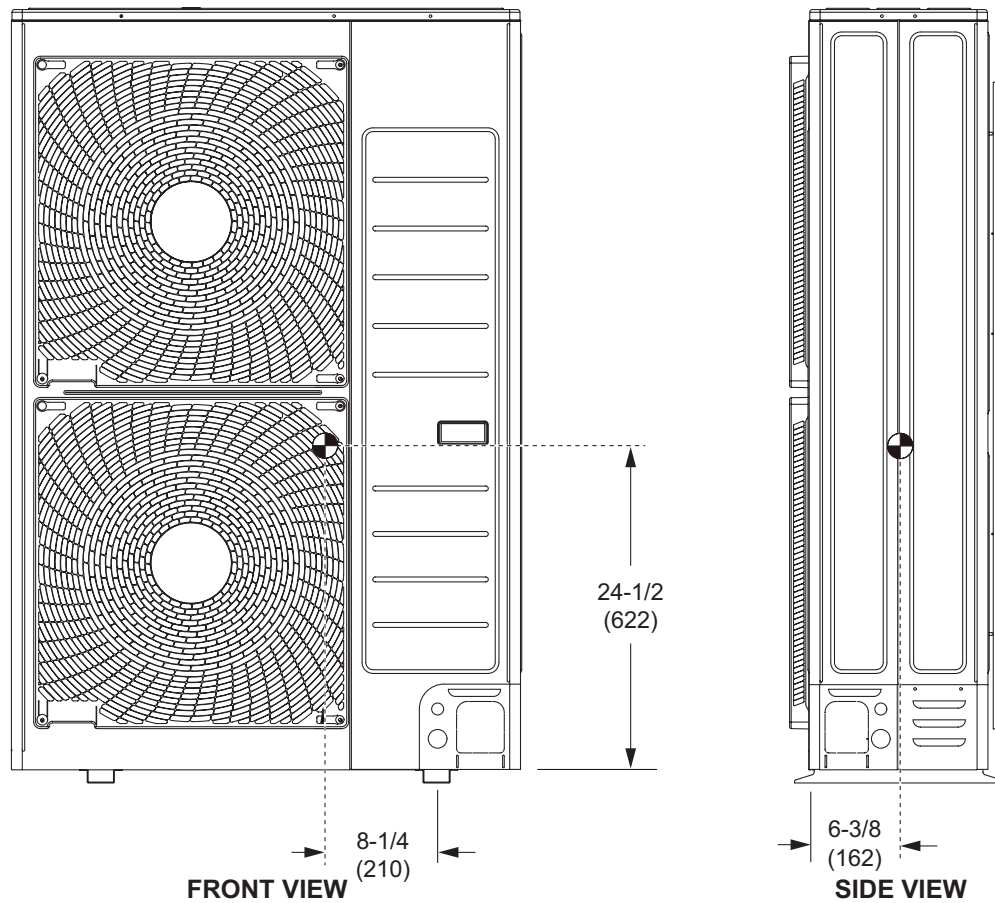
PI - Power Input



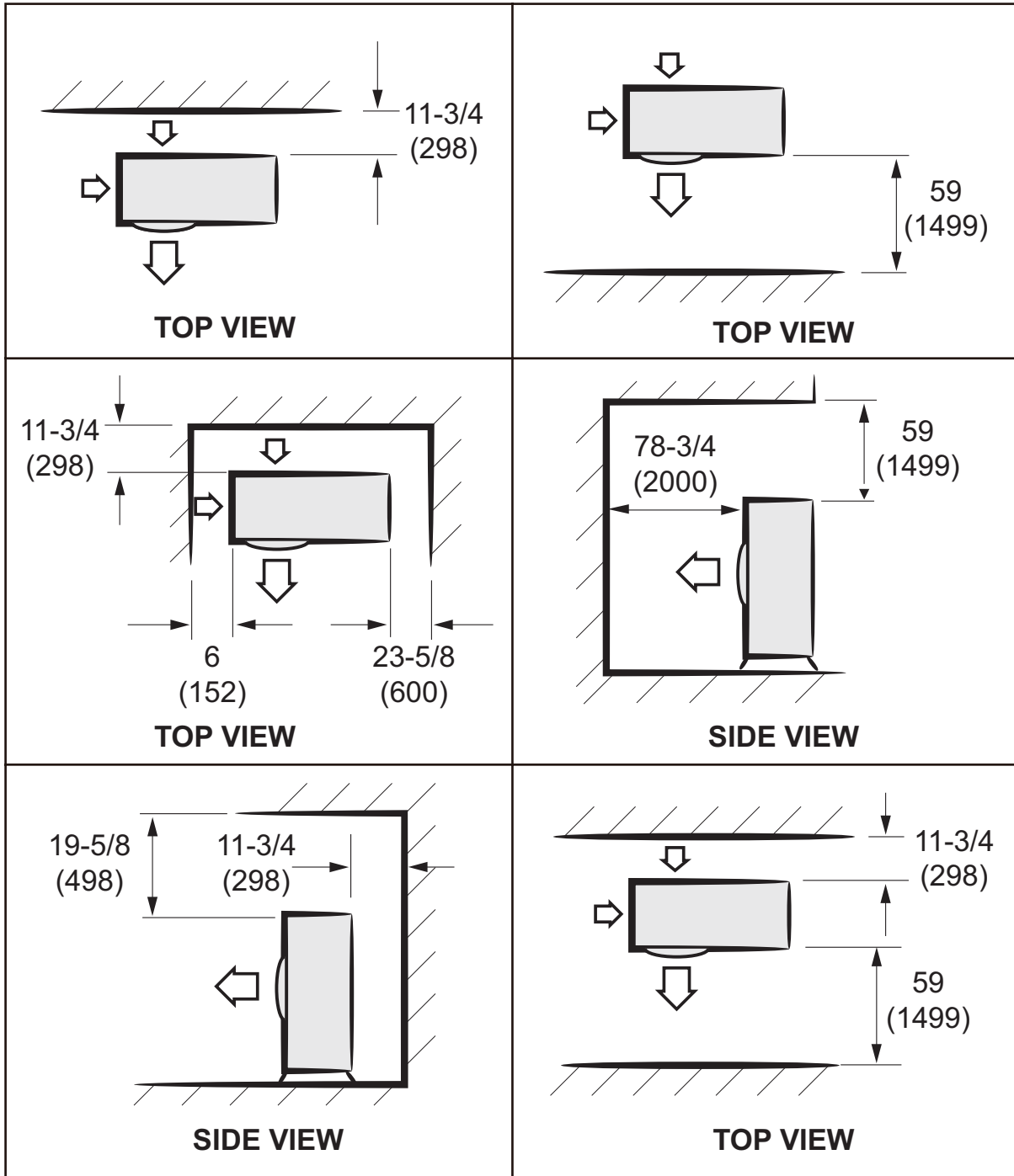


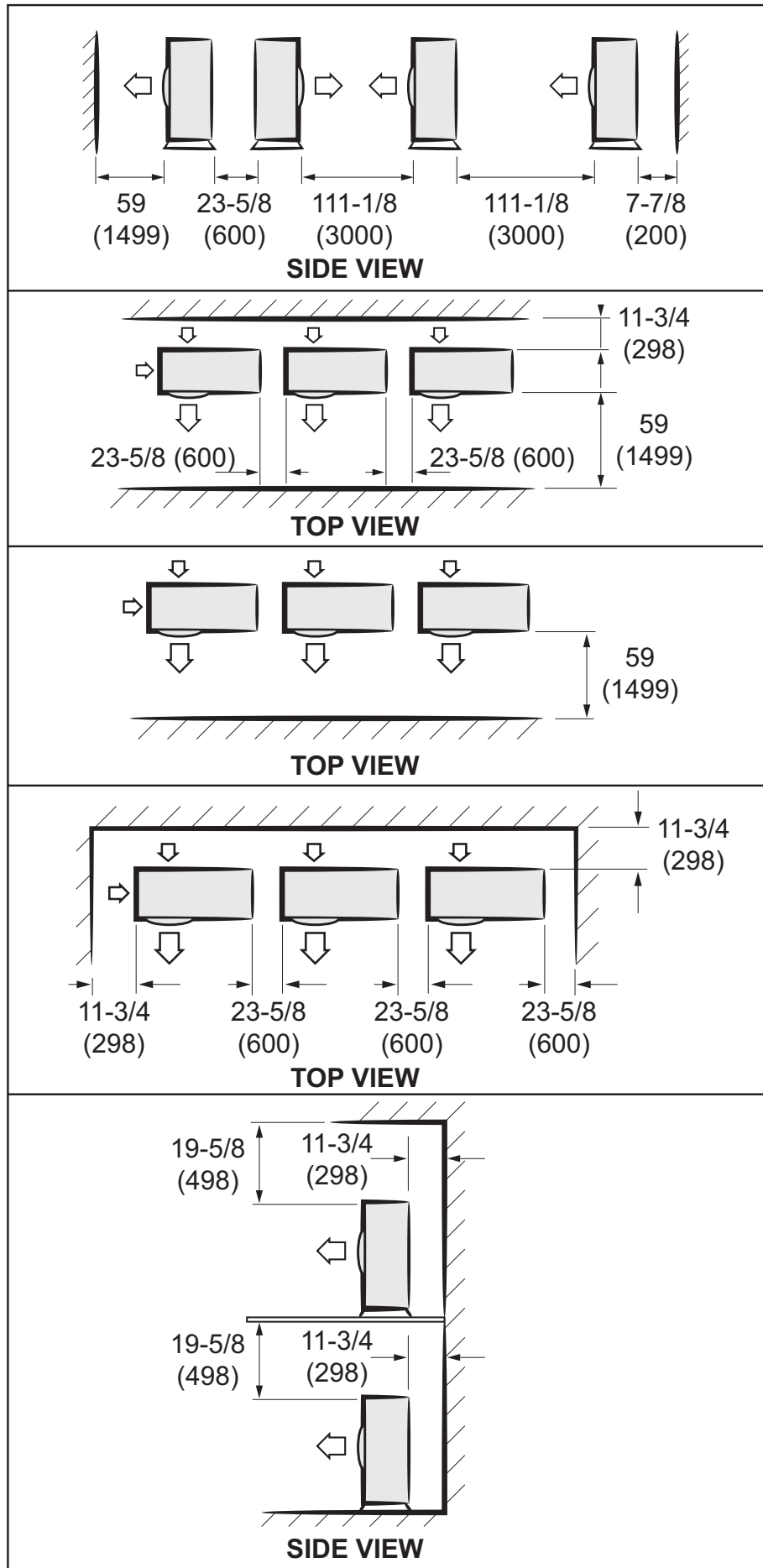
**WALLPLATE**

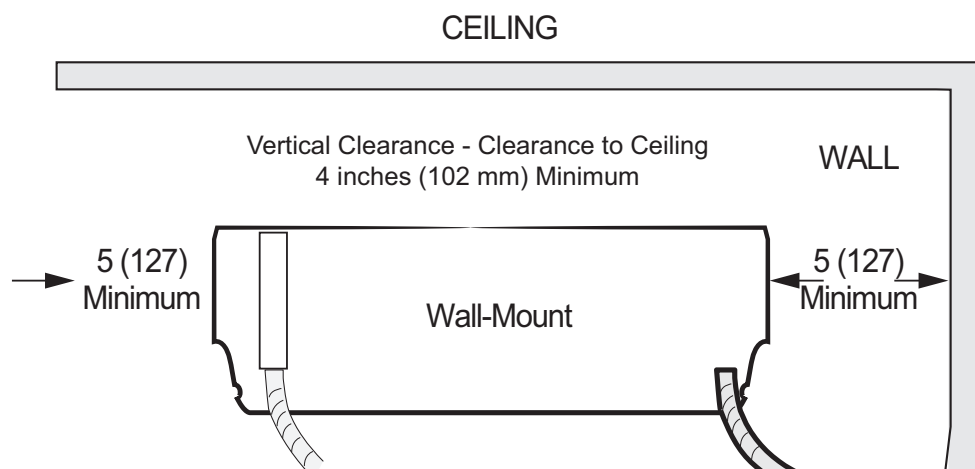








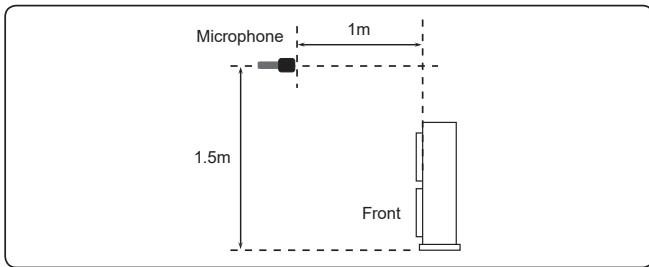




## SOUND DATA

### Sound Pressure level

#### Outdoor unit

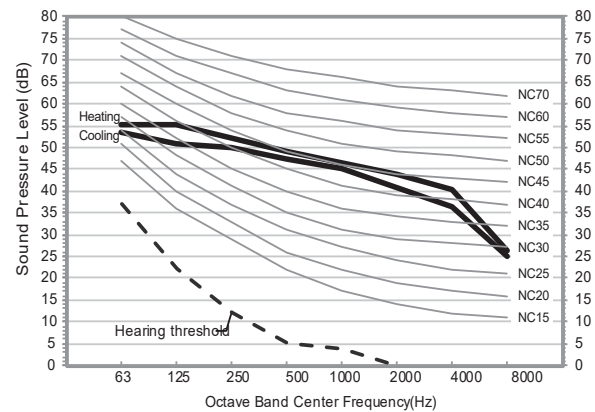


Unit: dB(A)

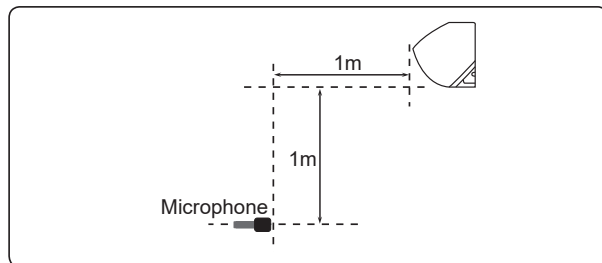
Model	Cooling	Heating
3WPD036S6S	50	52

#### • NC Curve

##### 1) 3WPD036S6S



#### Indoor unit

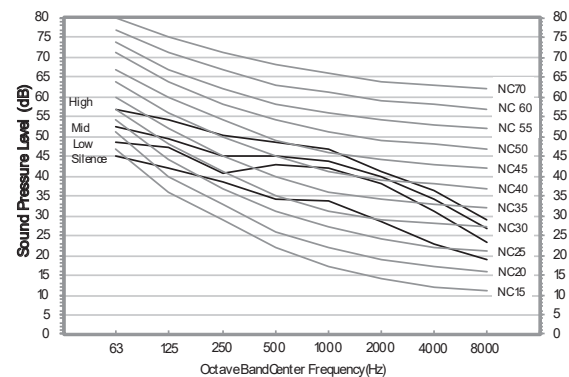


Unit: dB(A)

Model	High	Mid	Low	Silence
3WMD036S6	51	48	46	38

#### • NC Curve

##### 1) 3WMD036S6



### NOTE

- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

## SOUND DATA

### Sound Power level

#### Outdoor unit



#### NOTE

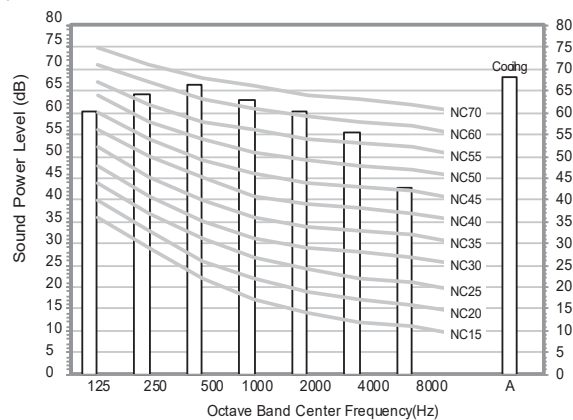
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

Model	Cooling
3WPD036S6S	69

- NC Curve

#### 1) 3WPD036S6S



#### Indoor unit



#### NOTE

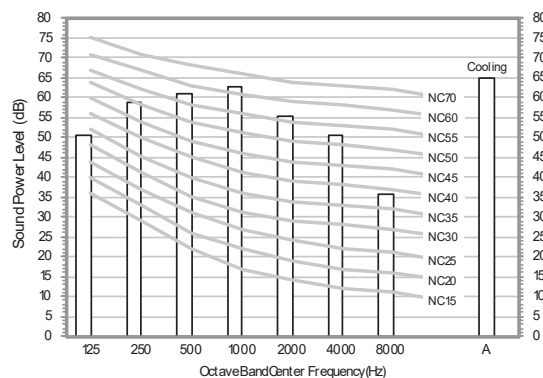
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

Model	Cooling
3WM036S6	65

- NC Curve

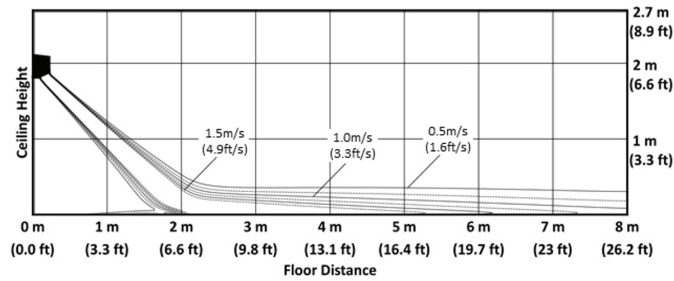
#### 1) 3WMD036S6



## AIR THROW DATA

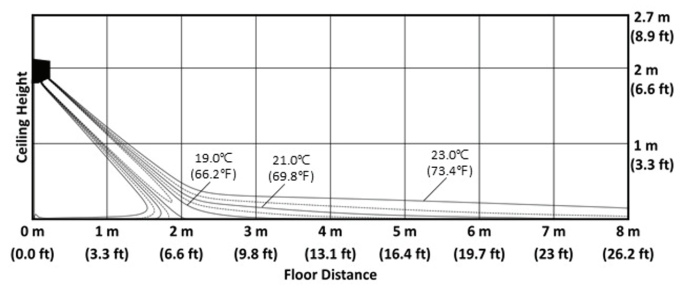
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



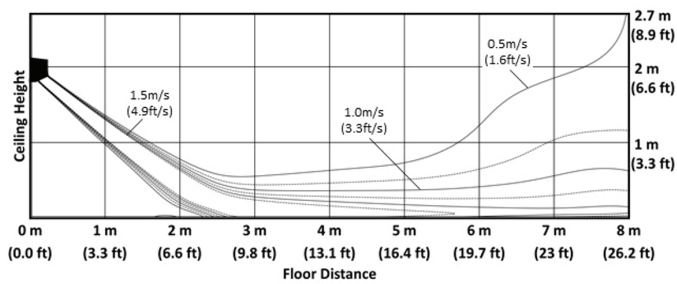
- Cooling temperature distribution

(Discharge angle : 20 degree)



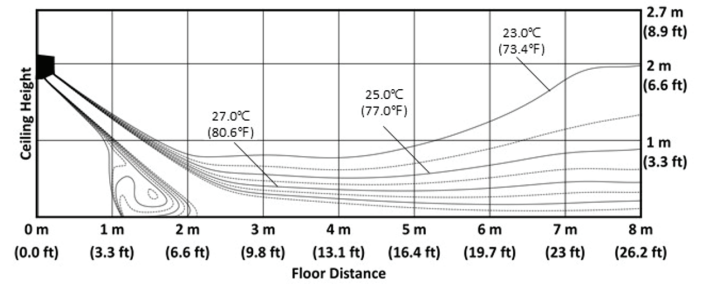
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



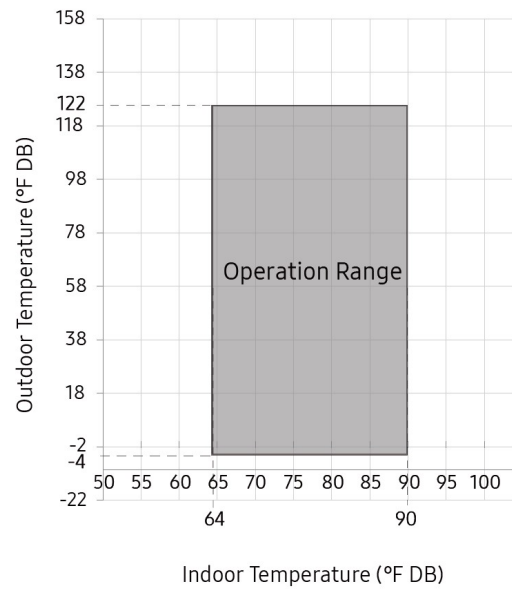
- Heating temperature distribution

(Discharge angle : 30 degree)

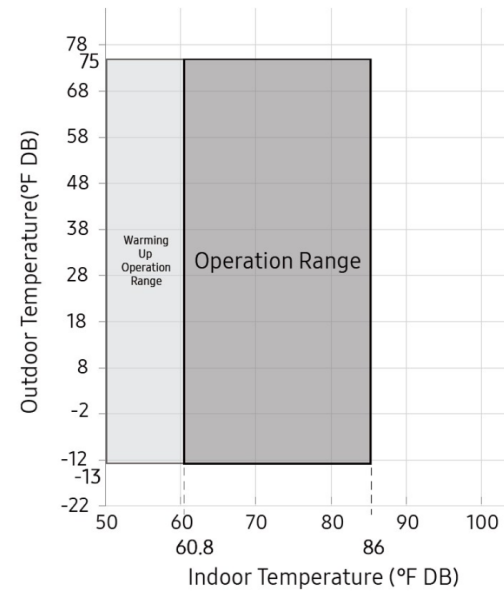


## Outdoor Units

### Cooling



### Heating

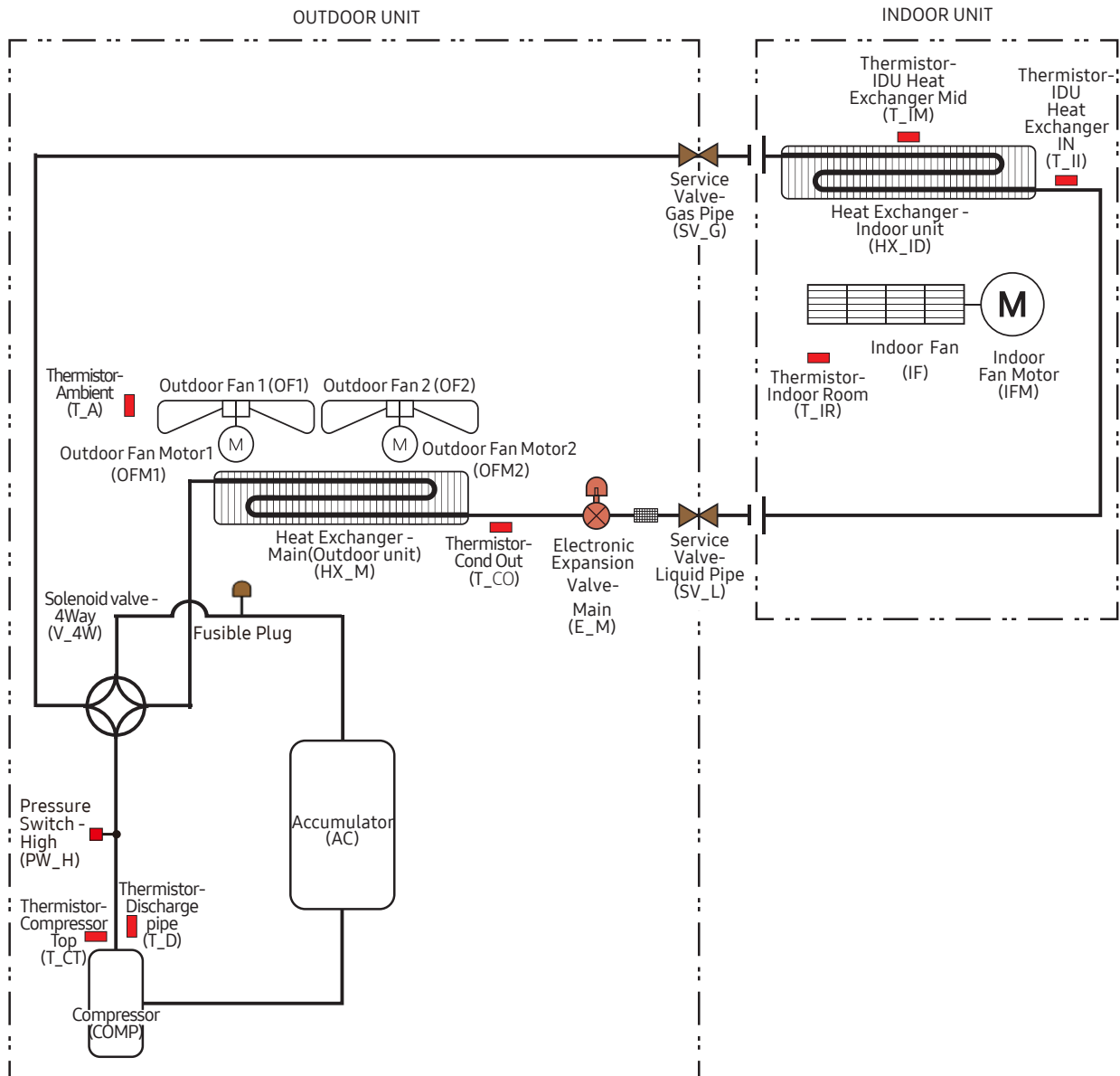


### NOTE

- The assumed installation conditions are follows
  - The pipe length(including elbow) is 7.5m(24.6ft).
  - The level difference is 0 m.



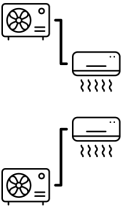
## Outdoor Units



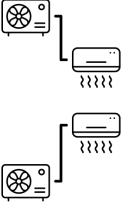
## CAPACITY CORRECTION

### Outdoor Units

#### Cooling

		Pipe Length (ft)														
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1
	Level Difference (ft)	98.4	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		82.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		65.6	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		49.2	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		32.8	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		16.4	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		0.0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-16.4	1.00	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
		-32.8	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.87
		-49.2	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86
		-65.6	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86
		-82.0	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.87	0.85
		-98.4	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84

#### Heating

		Pipe Length (ft)														
		24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1
	Level Difference (ft)	98.4	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		82.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
		65.6	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		49.2	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		32.8	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		16.4	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		0.0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-16.4	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-32.8	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-49.2	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-65.6	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-82.0	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89
		-98.4	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89

## REVISIONS

Sections	Description of Change
Mobile Apps	Added Lennox® Home App.



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For the latest technical information, [www.LennoxPros.com](http://www.LennoxPros.com)

Contact us at 1-800-9-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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