3WPD/3WMD | Single-Zone | Wall

Powered by SAMSUNG

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 - 36,000 Btuh
Heating down to –13°F (–25°C)



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



3WPD036 Heat Pump Outdoor Unit

ENERGY STAR COLD CLIMATE

Works with Samsung SmartThings

Form Number 211253 | November 2026
Supersedes all previous versions

MODEL NUMBER IDENTIFICATION

OUTDOOR SINGLE ZONE HEAT PUMP UNIT

3 WP D 036 S 6 S - 1 P

- **Series Type**: 3 = 3 ton outdoor unit for 3WPD/3WMD Wall-Mount system
- **Unit Type**: WP = Heat Pump
- **Major Design Sequence**: D = 4th Generation
- **Nominal Cooling Capacity**: 036 = 3 tons
- **Cooling Efficiency**: S = Standard Efficiency
- **Refrigerant Type**: 6 = R-32
- **Refrigerant Circuits**: S = Single Circuit
- **Minor Design Sequence**: 1 = 1st Revision
- **Voltage**: P = 208/230V-1 phase-60Hz

WALL-MOUNTED INDOOR UNIT

3 WM D 036 S 6 - 1 P

- **Series Type**: 3 = 3 ton indoor unit for 3PC/3WMC Wall-Mount system
- **Unit Type**: WM = Wall-Mounted Non-Ducted Unit
- **Major Design Sequence**: D = 4th Generation
- **Nominal Cooling Capacity**: 036 = 3 tons
- **Zone Type**: S = Single
- **Refrigerant Type**: 6 = R-32
- **Minor Design Sequence**: 1 = 1st Revision
- **Voltage**: P = 208/230V-1 phase-60Hz

CONTENTS

AHRI System Matches . . . 17
Air Throw Data. . . . 28
Approvals And Warranty . . . 4
Cooling / Heating Capacity. . . . 19
Dimensions . . . 20
- 3WMD Indoor Unit. . . . 21
- 3WPD Outdoor Unit . . . 20
Features . . . 4
- Indoor Units . . . 6
- Outdoor Units . . . 4
Installation Clearances . . . 23
- Indoor Unit . . . 25
- Multiple Outdoor Units . . . 24
- Single Outdoor Unit . . . 23
Mobile Apps . . . 7
Model Number Identification. . . . 2
Operation Range . . . 29
Optional Accessories - Order Separately . . . 18
Optional Control Accessories . . . 14
Piping Diagram . . . 30
Remote Controller - Furnished . . . 8
Remote Controllers - Optional . . . 10
Sound Data . . . 26
Specifications . . . 17
- 3WMD Indoor Unit. . . . 17
- 3WPD Outdoor Unit . . . 17

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 for additional details.

FEATURES — OUTDOOR UNITS

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 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 offer 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

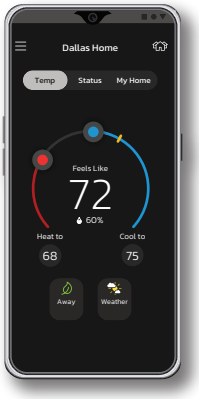
Wired Remote Controllers
- Touchscreen Wired Controller, see page 13
- Programmable Wired Controller, see page 13

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



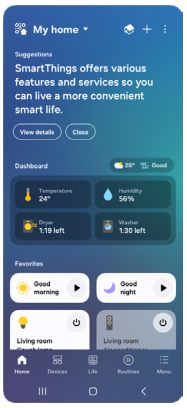
Download on the App Store

ANDROID APP ON Google play

SmartThings App

SmartThings

- 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



Download on the App Store

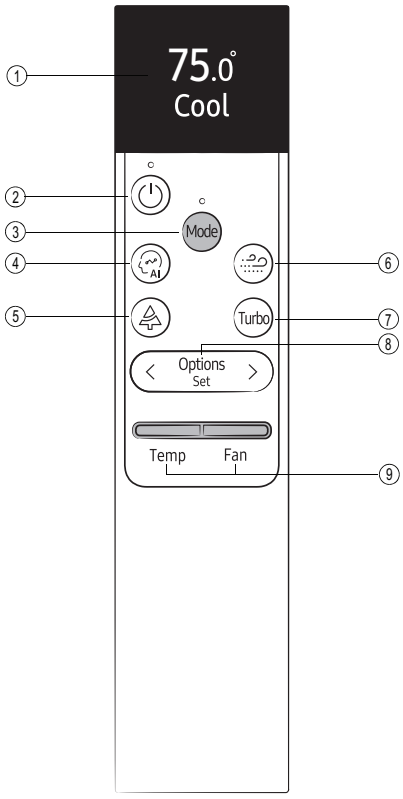
ANDROID APP ON Google play

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.

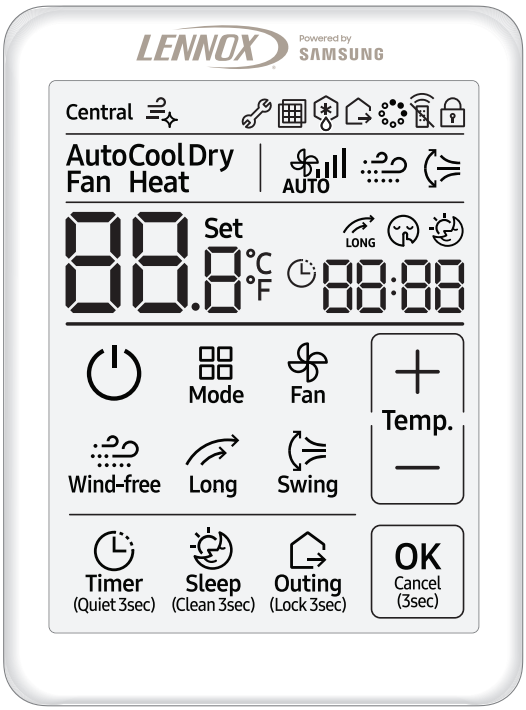
NOTE - Functions available depend on the type of indoor unit.

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/Good Sleep →	← Back
	Timer Off		Timer Off
	Timer On		Timer On
	Good Sleep		Good Sleep
	Cancel		Cancel
Motion Detection →	← Back	Motion Detection →	← Back
	Air Direction		Air Direction
	Power Saving		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	Zones →	← Back
	Zone 1		Zone 1
	Zone 2		Zone 2
	Zone 3		Zone 3
	Zone 4		Zone 4
Settings →	← Back	Settings →	← Back
	Beep		Beep
	Lighting		Lighting
	AI Diagnostics		AI Diagnostics
	Model Selection		Model Selection
	Filter Reset		Filter Reset
	Temp Unit		Temp Unit
	Heating Range		Heating Range
	Auto Mode		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

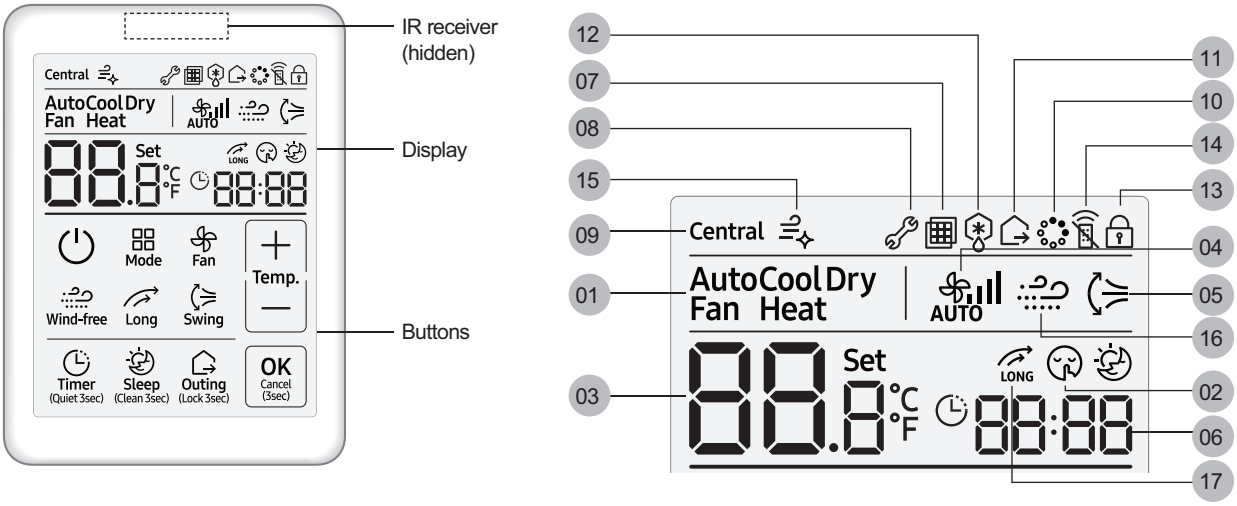
Power Supply	12VDC
Power consumption	1.5W
Operating temperature range	32 to104°F
Operating humidity range	30 to 90% RH
Communication	2-wire PLC
Maximum wire length	328 ft. (100 m)
Dimensions (H x W x D)	4-3/4 x 3-5/8 x 3/4 in. (121 x 92 x 19 mm)

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

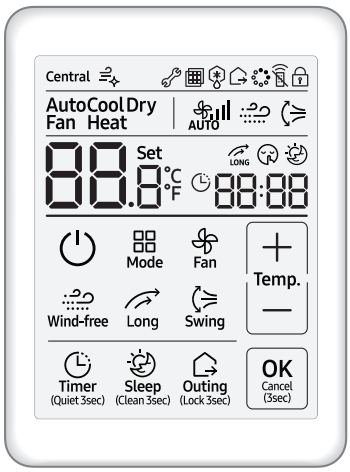
TOUCHSCREEN WIRED CONTROLLER FUNCTIONS (VSTAT02P-1)

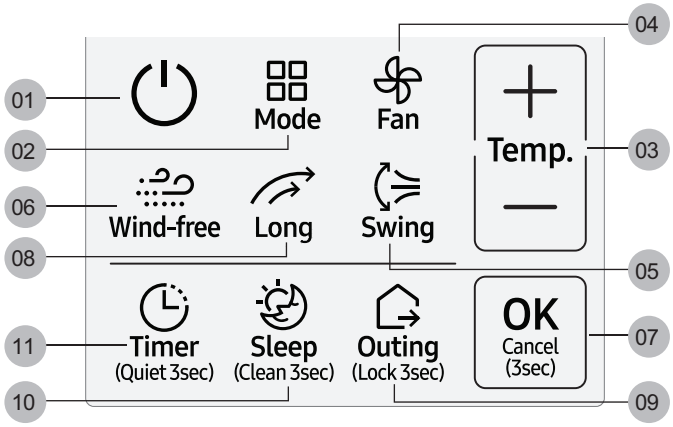


NOTE - Functions available depend on the type of indoor unit.

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 to104°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 to122°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)

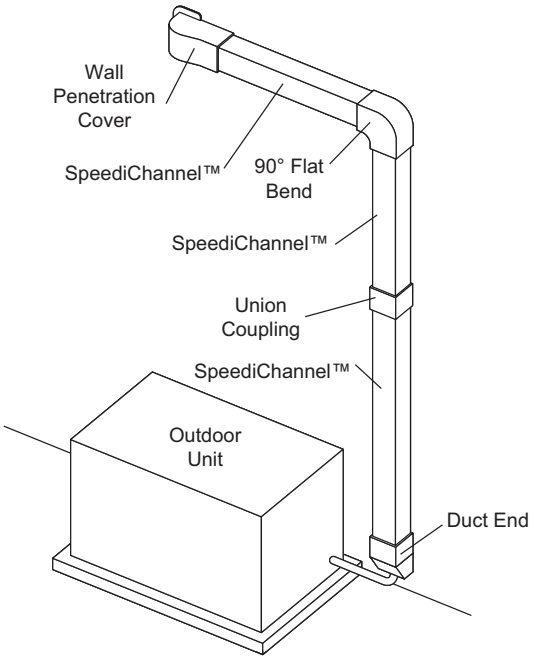
- Equipment Pads
- Equipment Stands
- Hail Guards
- Wind Baffles
- Wall Brackets
- Line Sets
- Control Wiring
- Disconnects
- Whips

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) SpeediclipsTM, (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

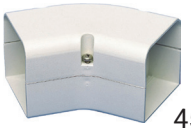


- A hooking and fastening arrangement allows for quick installation
- Each wall cover is individually packed, and furnished with stainless steel screws to attach the wall cover to the base
- Three screws are necessary to fasten the wall cover to the wall construction, regardless of the type of installed system

45° and 90° Flat Bend Elbows

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





45°

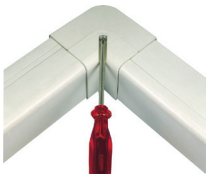


90°

90° Inside Elbow

- 90º 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 -4ºF to 140ºF
- 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 122 (with optional Wind Baffles)
	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
[1] Maximum Overcurrent Protection (MOCP) amps		40
[2] Minimum circuit ampacity (MCA)		35.8

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

[1] HACR type circuit breaker or fuse.

[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS — 3WMD INDOOR UNIT

Model			**3WMD036S6**
Tons			2
Zone Type			Single
Line voltage data (Volts-Phase-Hz)			208/230-1-60
Connections		Liquid (flare) - in.	3/8
		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	36000	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 Liquid x Gas OD | Insulation Thickness | Length	3/8 x 5/8 | 3/8 | 25 ft.	**X8406**	•
	3/8 x 5/8 | 3/8 | 50 ft.	**X8407**	•
Hail Guards	Side	**38U99**	•
	Back	**38U93**	•
Wind Baffles	Front	**38V35**	•
	Back	**39B41**	•
Equipment Pads	18 x 38 x 3 in. direct mount, gray plastic	**Y5014**	•
	24 x 48 x 3 in. black	**28V63**	•
Equipment Stands	12 in. height, adjustable 34 to 40 in. white	**Y8240**	•
	18 in. height, adjustable 34 to 40 in. white	**Y8236**	•
	18 in. height, 30 x 40 in. gray	**28U18**	•
Wall Brackets	Wall unit installation support tool	**Y6999**	•
	30 x 16 in. (D x H) gray (qty 2)	**X1727**	•
	25 x 18-3/8 in. (D x H), adjustable width 6 to 34 in. SS, wind/hurricane rated	**Y8239**	•
Control Wiring	Five conductor cable, 250 ft. (14/3, 16/2)	**29F41**	•
	Weather-tight cable connector (qty 1)	**29F45**	•
Disconnects	60A Pull-out Fusible	**Y9685**	•
	60A Pull-out Non-Fusible	**Y9686**	•
Whips	Metal Fittings 3/4 in. x 6 ft., 8 AWG	**27P44**	•
	Plastic Fittings 3/4 in. x 6 ft., 8 AWG	**46N89**	•
SPEEDICHANNEL™ SYSTEM			
SpeediChannel™ Starter Kit - 4 in.		**Y7950**	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)		**Y3388**	•
Union Coupling - 4 in.		**Y3389**	•
90° Flat Bend Elbow - 4 in.		**Y3390**	•
90° Inside Elbow - 4 in.		**Y3391**	•
90° Outside Elbow - 4 in.		**Y6074**	•
45° Flat Bend Elbow - 4 in.		**Y3392**	•
Flex Joint - 4 in.		**Y3393**	•
T-Joint - 4 in.		**Y3394**	•
Duct End - 4 in.		**Y3395**	•
Flat Wall Escutcheon - 4 in.		**Y3396**	•
Wall Penetration Cover - 4 in.		**Y3399**	•
Mount Block (White) Qty, 2 - 14 in.		**Y3397**	•
Mount Block (White) Qty, 2 - 36 in.		**Y3398**	•
CONTROLS			
Touchscreen Wired Controller	VSTAT02P-1	**37P79**	•
Programmable Wired Controller	VSTAT04P-1	**37Y74**	•
Thermostat Adaptor (24V)	VSTAT09P-1	**37Y96**	•

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

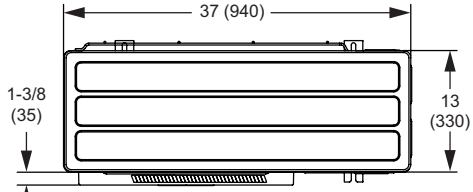
PI - Power Input

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

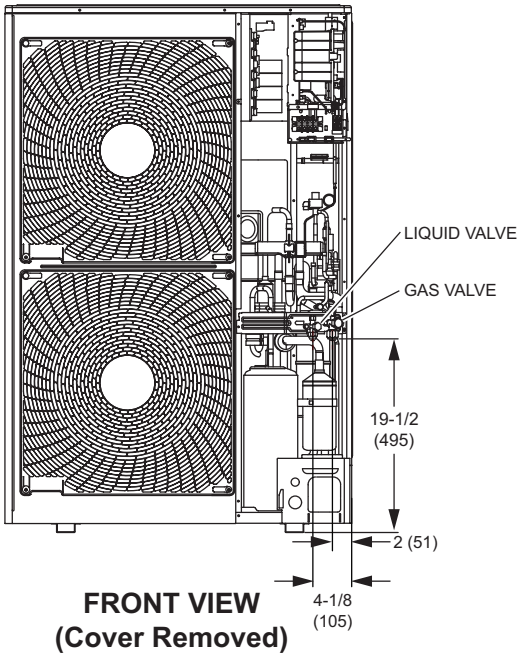
Outdoor Temp. °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)											
	61		64		68		70		72		75	
	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW	TC MBH	PI kW
-13	33.0	6.12	32.6	6.06	32.3	6.00	32.0	5.94	31.7	5.88	31.4	5.82
-4	39.2	6.95	38.8	6.89	38.4	6.82	38.0	6.75	37.6	6.68	37.2	6.62
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

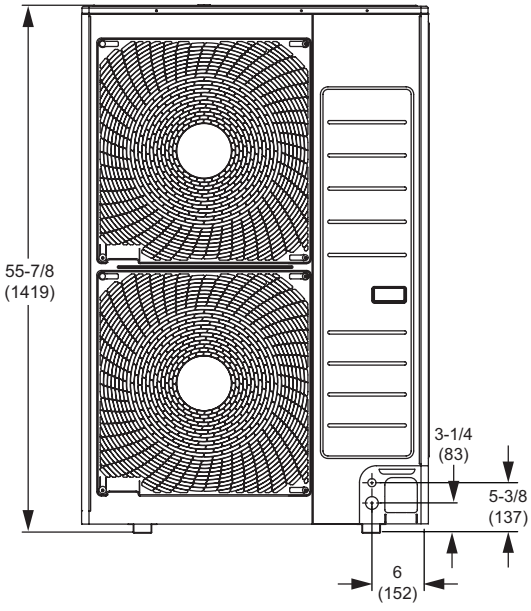
PI - Power Input



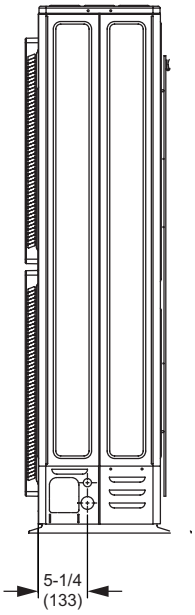
TOP VIEW



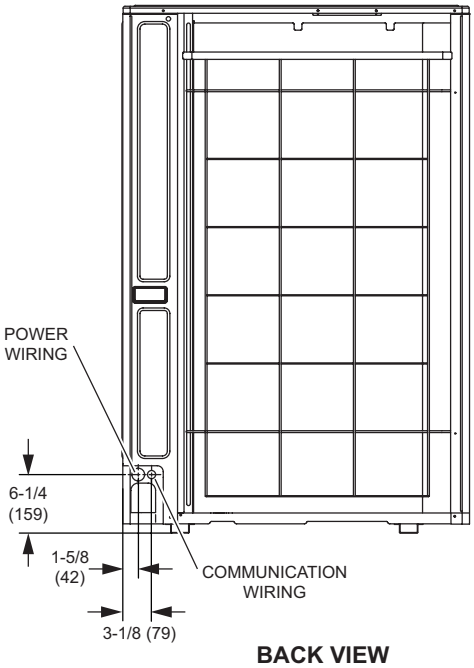
FRONT VIEW (Cover Removed)



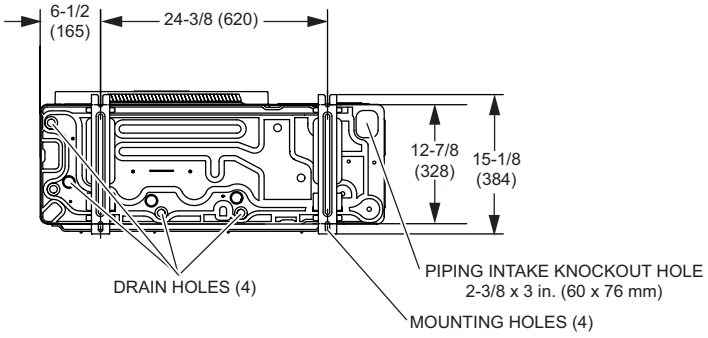
FRONT VIEW



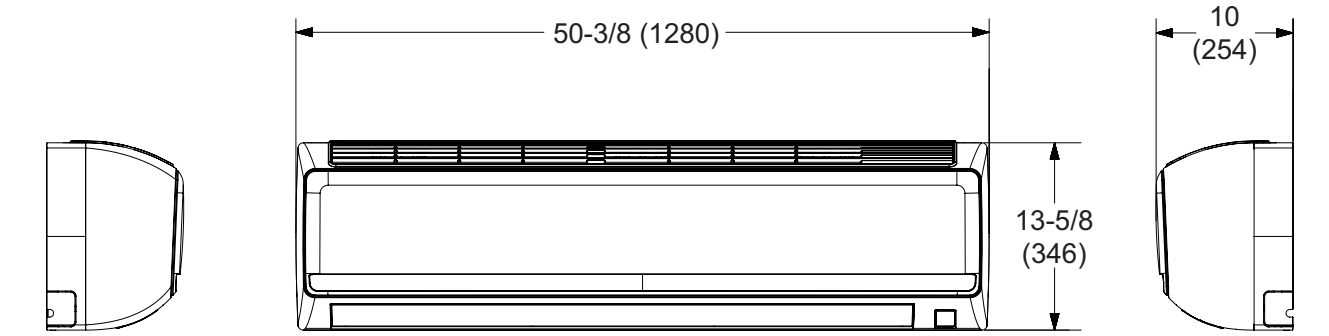
SIDE VIEW



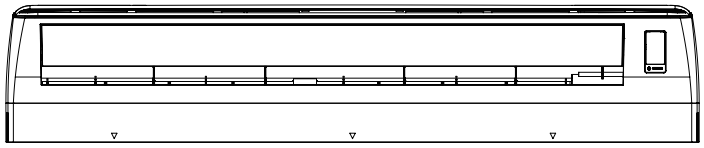
BACK VIEW



BOTTOM VIEW

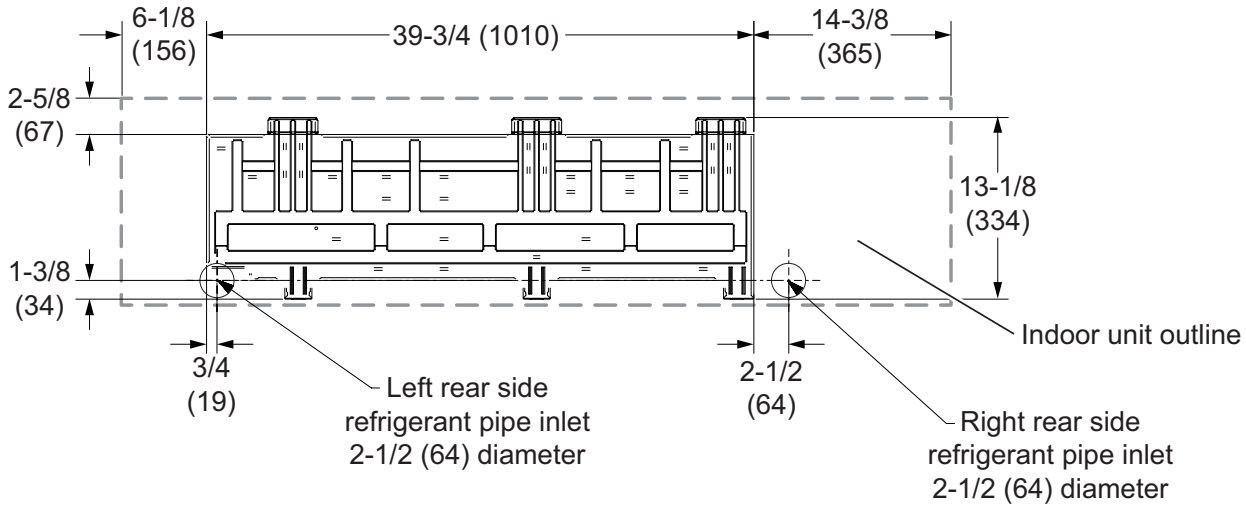


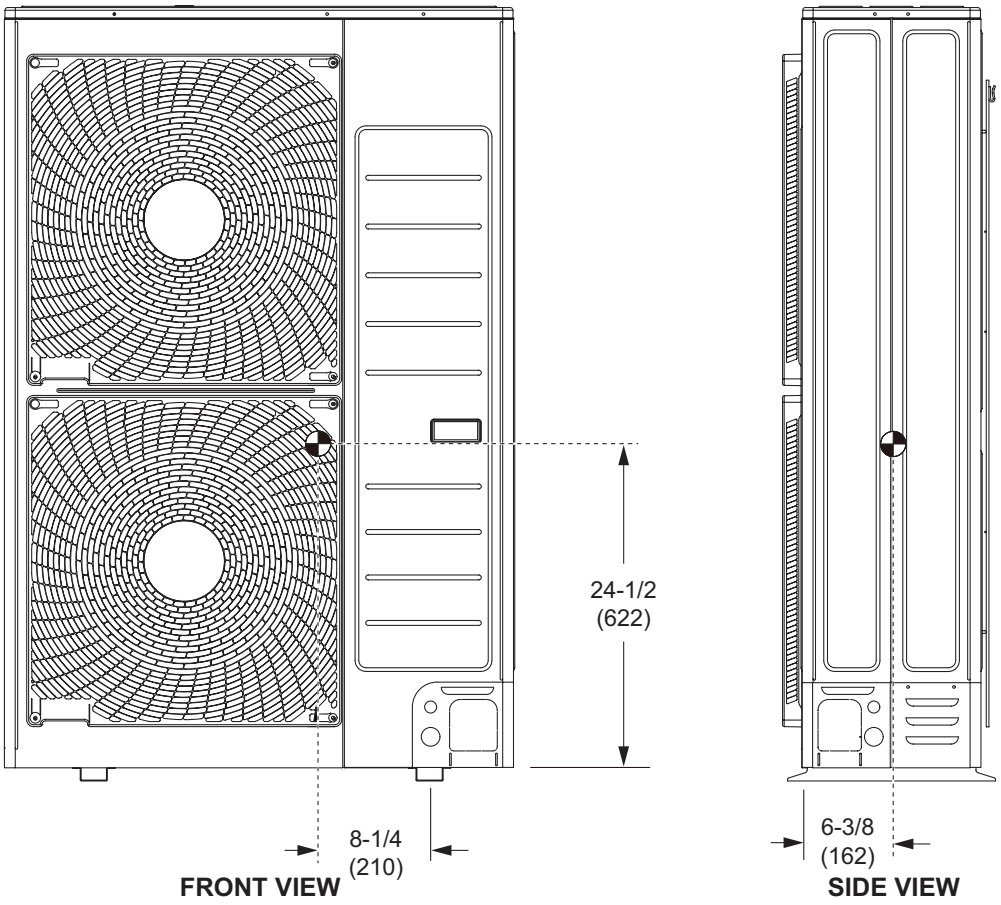
SIDE VIEW **FRONT VIEW** **SIDE VIEW**



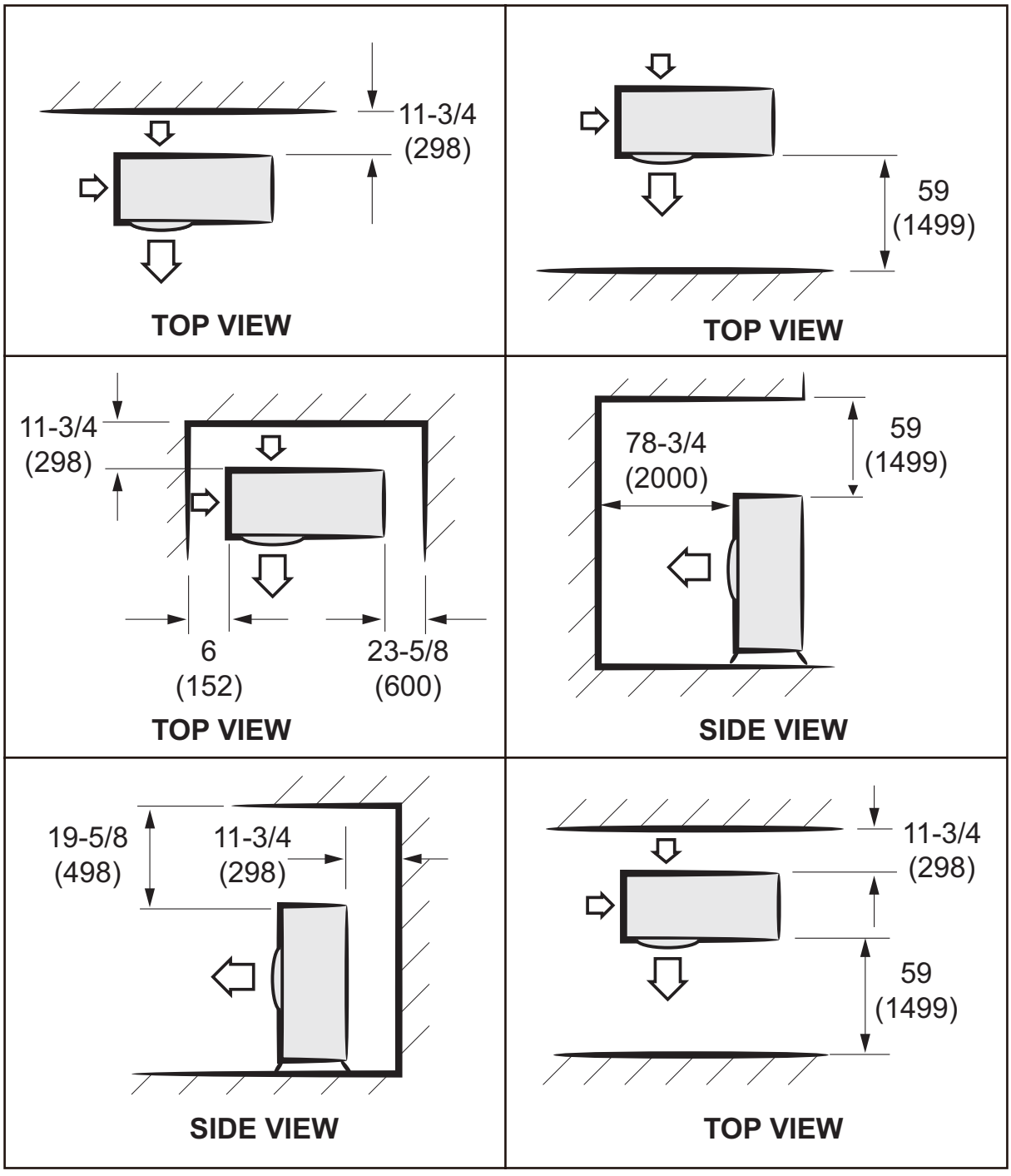
BOTTOM VIEW

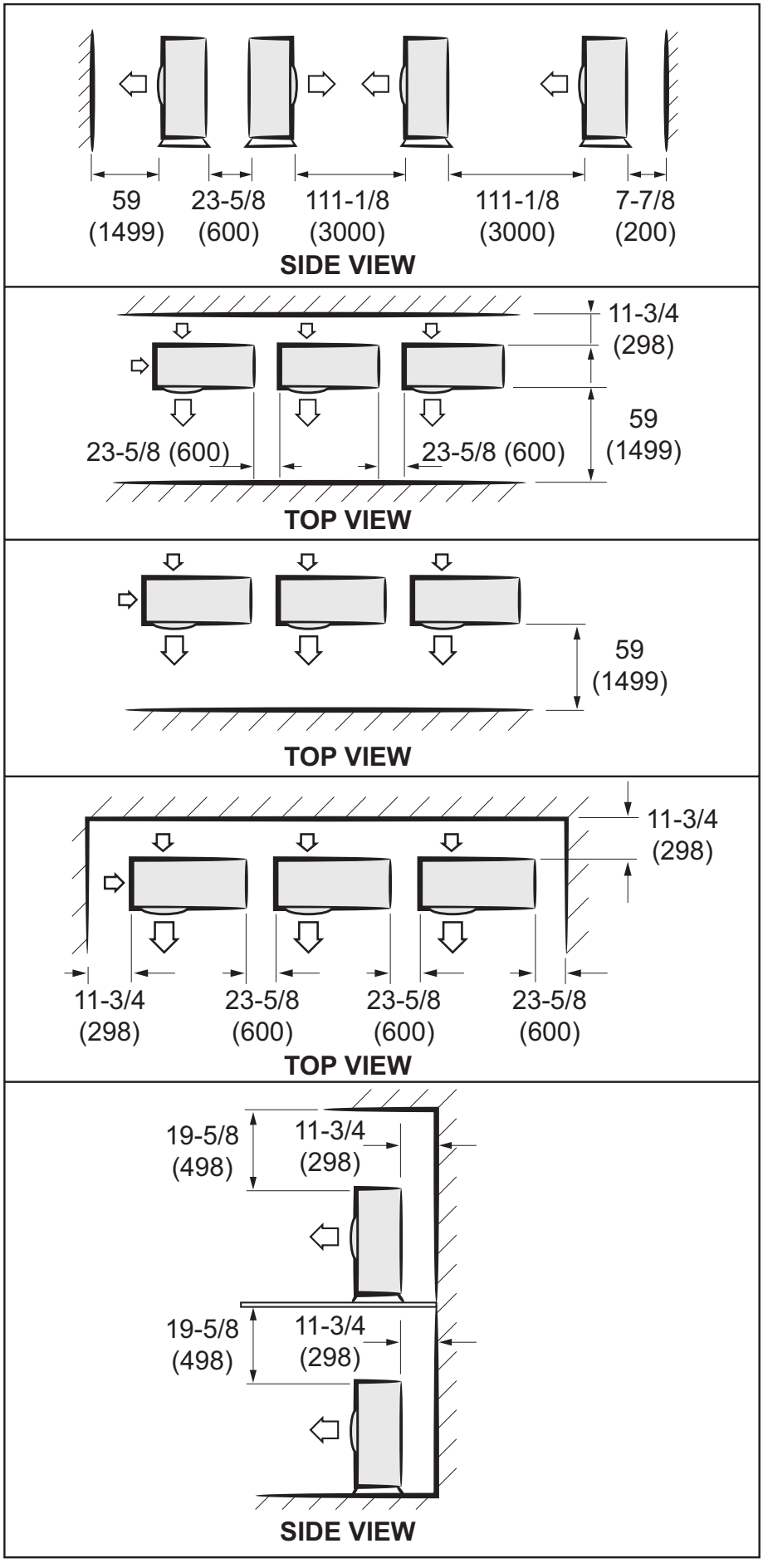
WALLPLATE

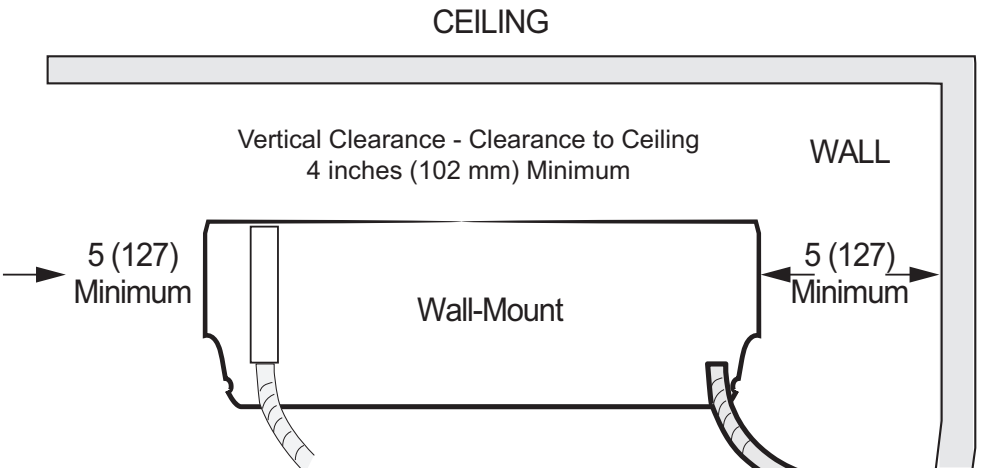




FRONT VIEW **SIDE VIEW**


11-3/4
(298)
TOP VIEW
59
(1499)
TOP VIEW
11-3/4
(298)
6
(152)
23-5/8
(600)
TOP VIEW
78-3/4
(2000)
59
(1499)
SIDE VIEW
19-5/8
(498)
11-3/4
(298)
SIDE VIEW
11-3/4
(298)
59
(1499)
TOP VIEW

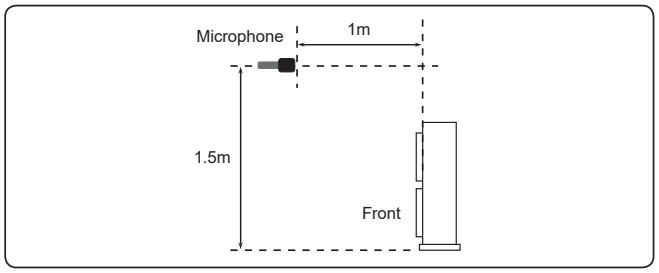

59
(1499)
23-5/8
(600)
111-1/8
(3000)
111-1/8
(3000)
7-7/8
(200)
SIDE VIEW
11-3/4
(298)
59
(1499)
23-5/8 (600)
23-5/8 (600)
TOP VIEW
59
(1499)
TOP VIEW
11-3/4
(298)
11-3/4
(298)
23-5/8
(600)
23-5/8
(600)
23-5/8
(600)
TOP VIEW
19-5/8
(498)
11-3/4
(298)
19-5/8
(498)
11-3/4
(298)
SIDE VIEW


CEILING
Vertical Clearance - Clearance to Ceiling
4 inches (102 mm) Minimum
WALL
5 (127)
Minimum
Wall-Mount
5 (127)
Minimum

SOUND DATA

Sound Pressure level

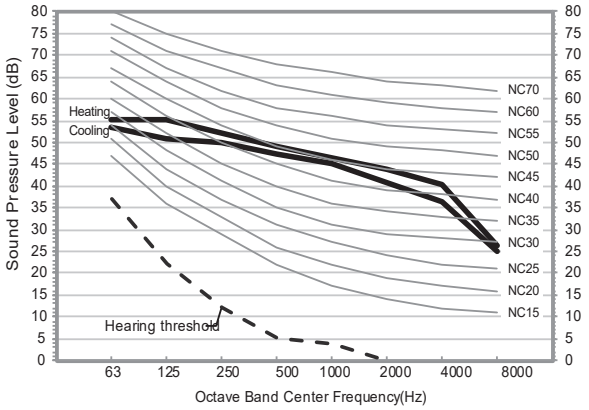
Outdoor unit



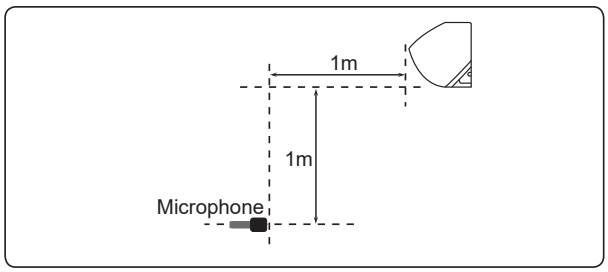
Unit: dB(A)

Model	Cooling	Heating
3WPD036S6S	50	52

- NC Curve
  1) 3WPD036S6S



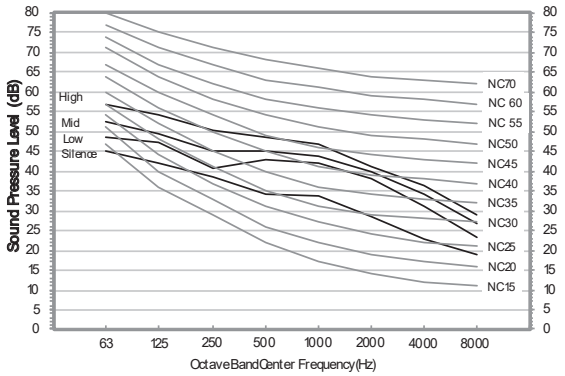
Indoor unit



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

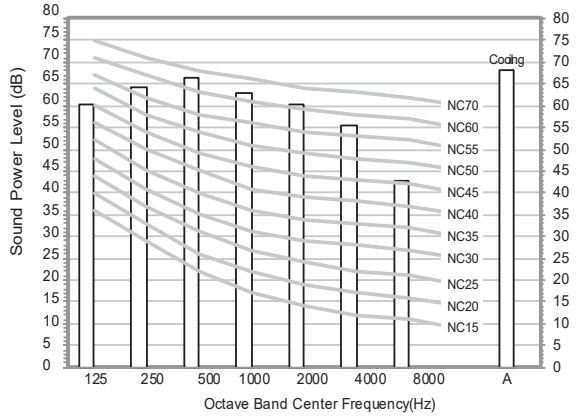
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

Model	Cooling
3WPD036S6S	69

- NC Curve

1) 3WPD036S6S



Indoor unit

NOTE

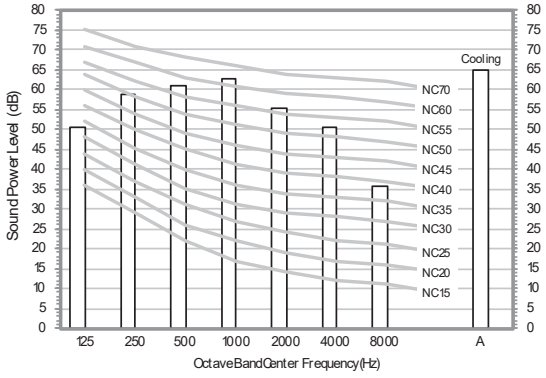
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

Model	Cooling
3WM036S6	65

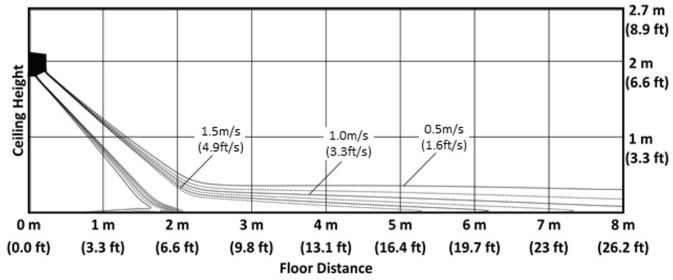
- NC Curve

1) 3WMD036S6

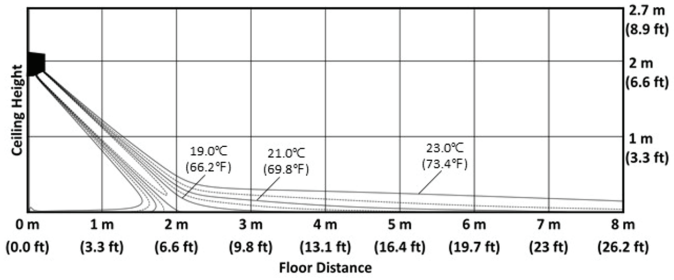


AIR THROW DATA

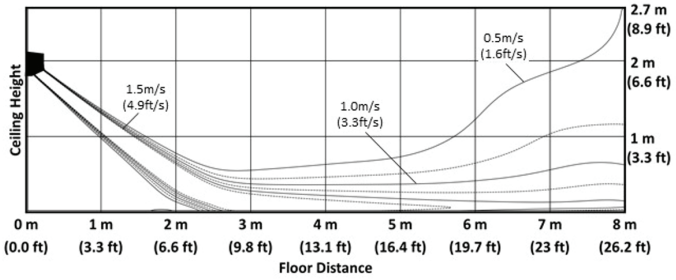
- Cooling Air Velocity distribution
  (Discharge angle : 20 degree)



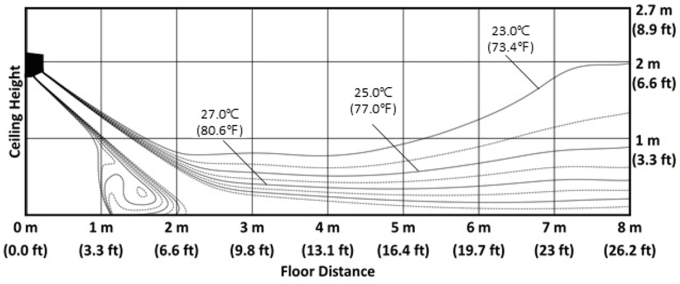
- Cooling temperature distribution
  (Discharge angle : 20 degree)



- Heating Air Velocity distribution
  (Discharge angle : 30 degree)

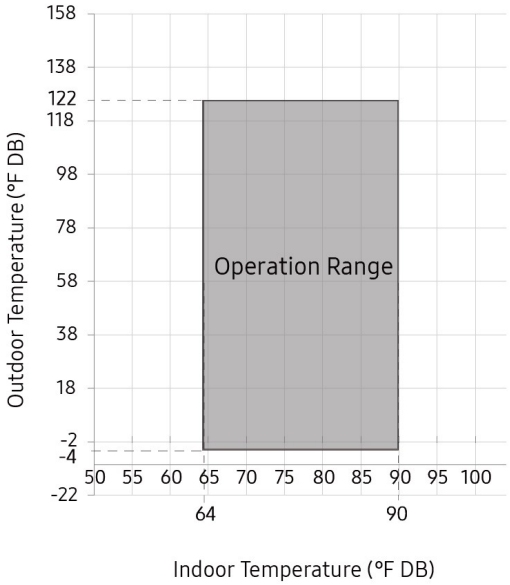


- Heating temperature distribution
  (Discharge angle : 30 degree)

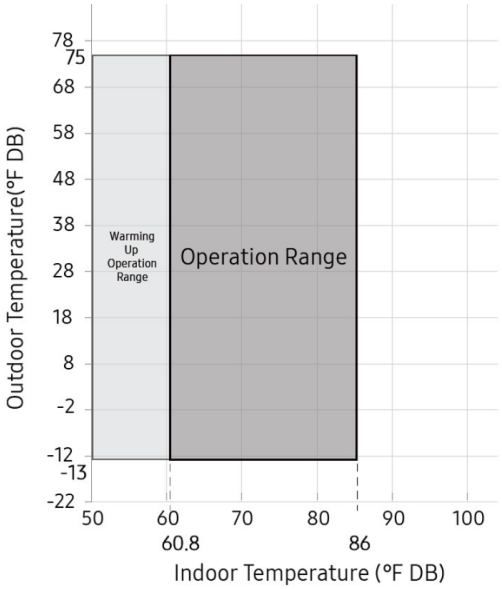


Outdoor Units

Cooling



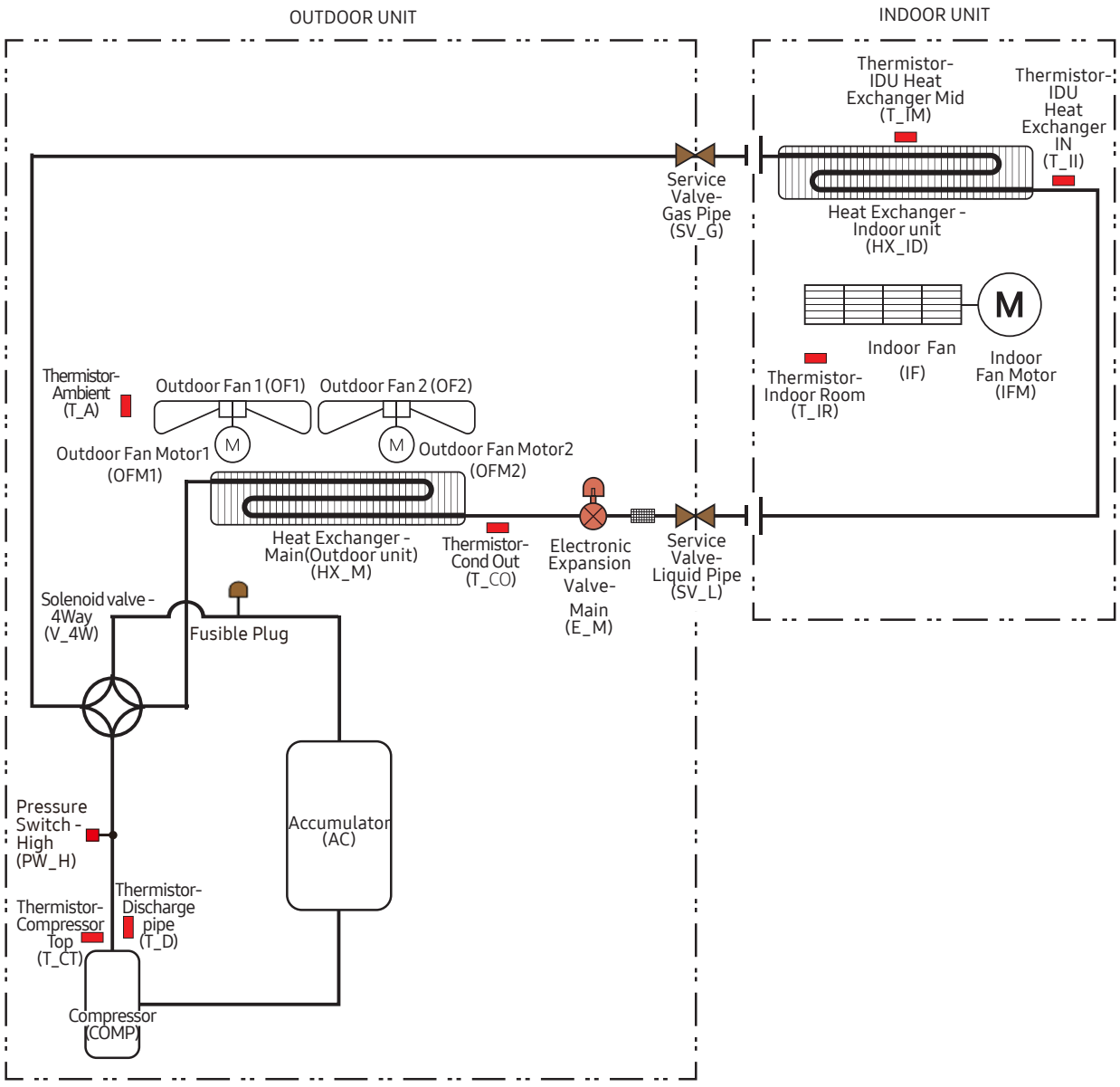
Heating



NOTE

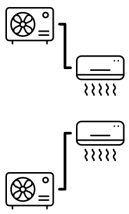
- The assumed installation conditions are follows
  - The pipe length(including elbow) is 7.5m(24.6ft).
  - The level difference is 0 m.

Outdoor Units



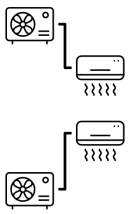
Outdoor Units

Cooling



Level Difference (ft)	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
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	0.88
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	0.88
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	0.88
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	0.88
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	0.88
-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	0.87
-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	0.85
-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	0.84
-65.6	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.83
-82.0	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.87	0.85	0.81
-98.4	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84	0.80

Heating



Level Difference (ft)	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
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	0.88
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	0.88
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	0.88
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	0.88
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	0.88
-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	0.88
-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	0.88
-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	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	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
-98.4	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88

REVISIONS

Sections	Description of Change
AHRI Ratings	Updated.
Specifications	Outdoor heating range updated to include optional Wind Baffles requirement.









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