LENNOX®

MINI-SPLIT SYSTEMS
3PC/3WMC
Mini-Split
3 Ton Single Zone Heat Pump System - R-410A - 60 Hz

COMMERCIAL
PRODUCT SPECIFICATIONS

Bulletin No. 210952
April 2022

**3WMC036 Wall-Mounted
Non-Ducted Indoor Unit**

**Wireless
Remote Control
(furnished with
3WMC036 Wall-Mount
Non-Ducted Model)**

SET TEMP
60 °F

**3PC036 Heat Pump
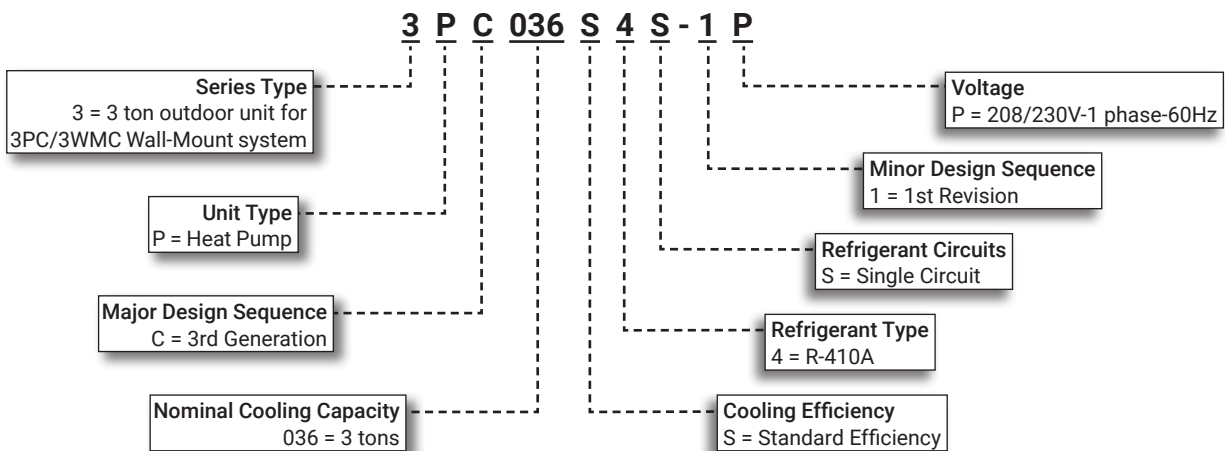Outdoor Units**

ENERGY STAR

SEER 17.50
HSPF - 9.00
3 Tons
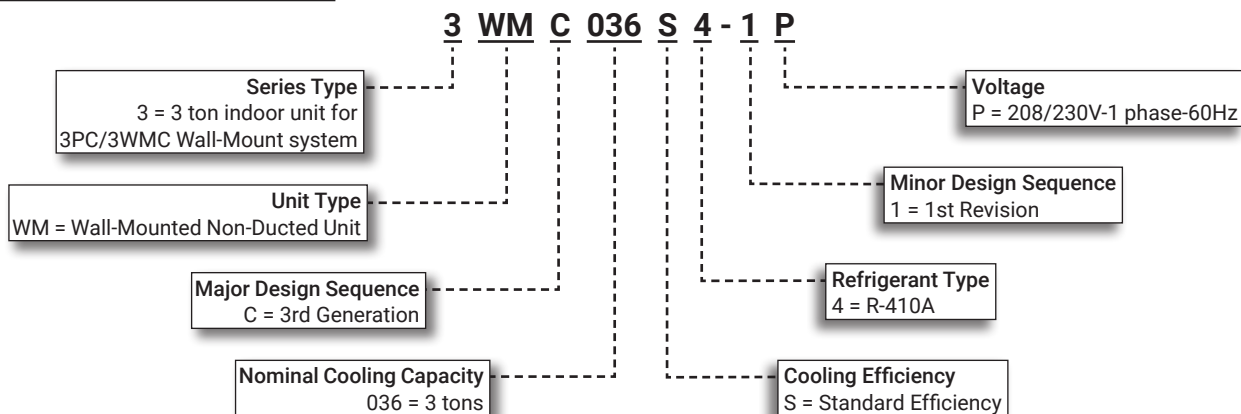**Cooling Capacity - 36,000 Btuh**
Heating Capacity - 36,000 Btuh

MODEL NUMBER IDENTIFICATION

OUTDOOR SINGLE ZONE HEAT PUMP UNIT

3 P C 036 S 4 S - 1 P

Series Type
3 = 3 ton outdoor unit for
3PC/3WMC Wall-Mount system

Unit Type
P = Heat Pump

Major Design Sequence
C = 3rd Generation

Nominal Cooling Capacity
036 = 3 tons

Voltage
P = 208/230V-1 phase-60Hz

Minor Design Sequence
1 = 1st Revision

Refrigerant Circuits
S = Single Circuit

Refrigerant Type
4 = R-410A

Cooling Efficiency
S = Standard Efficiency

WALL-MOUNTED INDOOR UNIT

3 WM C 036 S 4 - 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
C = 3rd Generation

Nominal Cooling Capacity
036 = 3 tons

Voltage
P = 208/230V-1 phase-60Hz

Minor Design Sequence
1 = 1st Revision

Refrigerant Type
4 = R-410A

Cooling Efficiency
S = Standard Efficiency

CONTENTS

APPROVALS AND WARRANTY

APPROVALS

NOTE - The 3PC036 outdoor unit can only be matched with the 3WMC036 indoor unit.

- AHRI Standard 210/240 certified with Addenda 1 and 2
- ENERGY STAR® certified
- Rated According to U.S. Department of Energy (DOE) test procedures
- Indoor and 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

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)
- Outdoor unit sound levels 61.5 dBA
- Indoor unit sound levels as low as 35.5 dBA
- Ductless mini-split system provides an alternative when a ducted system is impractical or cost prohibitive
- Units are shipped completely factory assembled, internally piped, and wired

NOTE - Outdoor unit is designed for outdoor location only.

REFRIGERATION SYSTEM

R-410A Refrigerant
- Non-chlorine, ozone friendly
- Unit is factory pre-charged

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

Outdoor Fan
- Direct drive fan 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

Compressor Crankcase Heater
- Protects against liquid refrigerant migration that can occur during low ambient operation

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

CONTROLS (continued)

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

Automatic Piping/Wiring Correction
• Automatically checks piping/wiring connections
• A "Check Switch" on outdoor unit control reviews zone wiring and piping connections and displays "CE" if all connections are correct
• If a unit(s) is not connected to the correct zone the control will automatically remap the wiring to the correct zone based on indoor unit size

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

WALL-MOUNTED INDOOR UNITS

•

- Low-sound, three-speed Wall Mount with LED display offers three access points for refrigerant outlet pipes: left, right or rear
- The front panel can be raised for accessible wiring and maintenance
- Swing louver angles to 90°
- Unit installs horizontally on a vertical wall
- Pre-Heat Function - Delays the operation of the fan until the indoor coil has reached a pre-determined temperature which prevents the discharge of cold air while the system is operating in the "heating" mode
- LED Readout - Mounted on unit. LED displays unit operation status, and codes for maintenance and servicing
- Auto Restart - Automatically restores the previous function setting if power is interrupted
- Cooling Override - Button on the indoor unit allows a temporary 30 minute override of the system for forced "AUTO" or "COOLING" operation
- Flare Connections - Equipped with liquid and gas flare fittings for quick and secure piping
- Multi-Refrigerant Outlet - Allows left, right, or rear access for refrigeration line connection
- Three Speed Fan - Fan functions at three speeds: low, medium and high
- Air Filter - Cleanable air filter is furnished as standard
- Wireless Remote Controller - Furnished as standard, see Page 6

WIRELESS REMOTE CONTROLLER (RG10L-WM)

(FURNISHED WITH WALL-MOUNT INDOOR UNITS)

- Complete remote control of system
- Maximum operating range is 25 ft.
- Operates on two AAA 1.5V batteries (furnished)
- Wireless remote controller holder furnished
- Holder can be mounted on a wall for easy access
- Mounting screws furnished
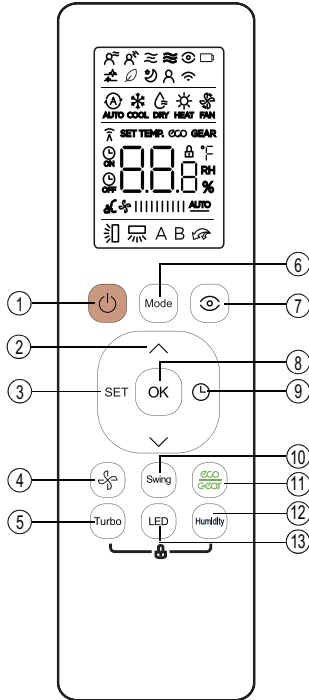
❶ ON/OFF Button
- Turns system on and off

❷ UP/DOWN Buttons ∧∨
- Increase or decrease the indoor temperature in one degree increments (maximum 86°F, minimum 60°F)

NOTE - Temperature cannot be adjusted in FAN mode.

NOTE - Press and hold and buttons together for 3 seconds to alternate the temperature display between the °C and °F scale.

❸ SET Button
- Scrolls through unit operations in this order:
  1. Breeze Away $\mathcal{R}^{\shortmid}$
  2. Active Clean $\overset{\diamond}{\underset{\sim}{\rightleftharpoons}}$
  3. Sleep $\mathcal{Y}$
  4. Follow Me $\mathcal{R}$

NOTE - The selected symbol will flash on the display area. Press the OK button to confirm.

❹ FAN Button
- Cycles fan speeds in the following order:
  - AUTO → 20% → 40% → 60% → 80% → 100%

❺ TURBO Button
- Enables the unit to reach the preset temperature during cooling or heating operation in the shortest time

❻ MODE Button
- Select system operation modes
- Press button to cycle through each setting:
  - AUTO → COOL → DRY → HEAT → FAN

❼ ECO INTELLIGENT EYE Button
- Detects motion in the room to reduce cooling mode when no activity is detected for 30 minutes

❽ OK Button
- Confirms selected function

❾ TIMER Button
- Initiates an auto-on or auto-off time sequence
- Press TIMER button to initiate the ON time sequence
- Press Temp. up or down button for multiple times to set the desired time to turn on the unit
- Press TIMER button to initiate the OFF time sequence.

NOTE - Each press of the button increases or decreases the time (depending on function) in 30 minute increments up to 10 hours.

Above 10 hours each press of the button will increase or decrease the auto-timed setting by 60 minutes up to 24 hours.

To cancel, set timer to 0.0 or turn remote off and on.

❿ SWING Button
- Used to stop or start louver auto swing feature

⓫ ECO/GEAR Button
- Controls temperature/energy efficiency of the unit

NOTE - Only available in cooling mode.

ECO Operation
- Sets unit to 75°F unit operation if setpoint is lower
- Sets fan to Auto operation if setpoint is over 75°F

NOTE - If setpoint is manually changed to less than 75°F, ECO operation is canceled.

GEAR Operation
- Reduces electrical consumption to 75% or 50%

⓬ HUMIDITY Button
- Adjusts the room humidity during DRY mode from 35% to 85%
- Each press of the button increases the humidity in 5% increments

⓭ LED Button
- Turns the LCD display backlight on the indoor unit on or off

NOTE - Press and hold the button for 5 seconds to display the actual room temperature. Press more than 5 seconds to revert back to display set temperature.

WIRELESS REMOTE CONTROLLER INDICATORS (RG10L-WM)

Information is displayed when the Wireless Remote Controller is powered on.

Not applicable for this unit

Breeze Away feature display

Not applicable for this unit

Not applicable for this unit

ECO Intelligent Eye display (certain units)

Active Clean feature display

Not applicable for this unit

Sleep feature display

Follow Me feature display

Not applicable for this unit

Low battery detection (flashing)

Transmission Indicator
Lights up when remote sends signal to indoor unit

ON
TIMER ON display

OFF
TIMER OFF display

Silence feature display

FAN SPEED display
Displays selected fan speed:

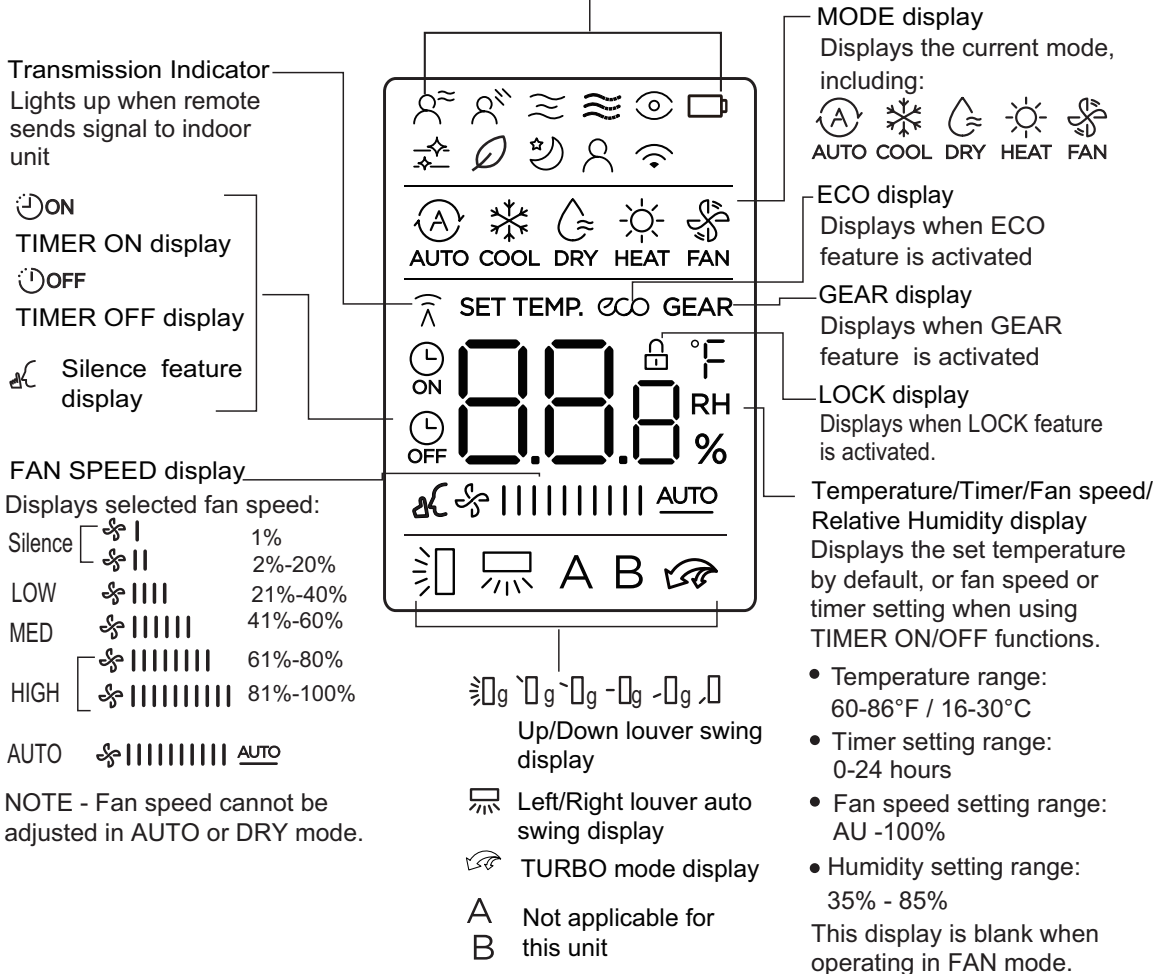|			
Silence	❄ |	1%	
	❄ ||	2%-20%	
LOW	❄ ||||	21%-40%	
MED	❄ ||||||	41%-60%	
HIGH	❄ |||||||||	61%-80%	
	❄ ||||||||||	81%-100%	
AUTO	❄ |||||||||| AUTO		

NOTE - Fan speed cannot be adjusted in AUTO or DRY mode.

MODE display
Displays the current mode, including:

AUTO COOL DRY HEAT FAN

ECO display
Displays when ECO feature is activated

GEAR display
Displays when GEAR feature is activated

LOCK display
Displays when LOCK feature is activated.

Temperature/Timer/Fan speed/ Relative Humidity display
Displays the set temperature by default, or fan speed or timer setting when using TIMER ON/OFF functions.

- Temperature range: 60-86°F / 16-30°C
- Timer setting range: 0-24 hours
- Fan speed setting range: AU -100%
- Humidity setting range: 35% - 85%

This display is blank when operating in FAN mode.

Up/Down louver swing display

Left/Right louver auto swing display

TURBO mode display

A Not applicable for
B this unit

Note:
All icons are shown for display purposes only.
During actual unit operation, only active icons are displayed.

WIRELESS REMOTE CONTROLLER OPERATION (RG10L-WM)

Auto Operation
1. Press the MODE button to select Auto.
2. Press the UP/DOWN button to set the desired temperature.
3. Press the ON/OFF button to start the system.

Cooling /Heating/Fan Operation
1. Press the MODE button to select COOL, HEAT or FAN mode.
2. Press the UP/DOWN buttons to set the desired temperature.
3. Press the FAN button to select the fan speed.
4. Press the ON/OFF button to start the system.

Dehumidifying (DRY) Operation
1. Press the MODE button to select DRY mode.
2. Press the UP/DOWN buttons to set the desired temperature.
3. Press the ON/OFF button to start the system.

NOTE - Fan speed selection is disabled.

Timer ON/OFF Operation
1. Press the TIMER button. The remote controller shows TIMER ON or TIMER OFF icon
2. Press the TIMER button again to set desired time. Each time the button is pressed the time increases by 30 minutes between 0 and 10 hours and then by 60 minutes between 10 and 24 hours.
3. After setting the TIMER ON or TIMER OFF there will be a one second delay before the remote controller transmits the signal to the unit. After approximately 2 seconds the set temperature will re-appear on the LCD display window.

Silence Operation
1. Press the FAN button for more than 2 seconds to activate or disable the Silence function

Lock Function
1. Press the TURBO and HUMIDITY buttons together two times in less than one second to lock the Controller to prevent tampering
2. Press the TURBO and HUMIDITY together buttons again for two seconds to unlock the Controller

Swing Function
1. Press the Swing button to activate up/down louver operation. Louvers oscillate up and down automatically. Press and hold the Swing button again to disable.

NOTE - Pressing the Swing button multiple times will set the louvers at five different fixed airflow angles.

2. Press and hold Swing button for 2 seconds to activate left/right louver operation. Louvers swing left and right automatically.

SET BUTTON FUNCTIONS

Breeze Away
• Prevents unit from blowing air directly on a person

NOTE - Only available in COOL, FAN or DRY modes.

Active Clean
• Washes away dust, mold, and grease that may cause odors when it adheres to the indoor coil by automatically freezing and then rapidly thawing the coil
• Indoor unit displays "CL"
• After 20 to 45 minutes the unit will automatically turn cancel the operation

NOTE - Only available in COOL or DRY modes.

Sleep
• Enables the system to automatically increase cooling or decrease heating (in 2°F increments) per hour for the first 2 hours, then maintain a steady temperature for 5 hours
• System keeps the final operation mode after 8 total hours of operation

NOTE - To cancel, push the "MODE", "FAN SPEED" or "ON/OFF" buttons.

SLEEP mode is only available when the unit is in COOL, HEAT or AUTO mode

Follow Me
• Allows remote temperature sensing of the room at the remote controller location
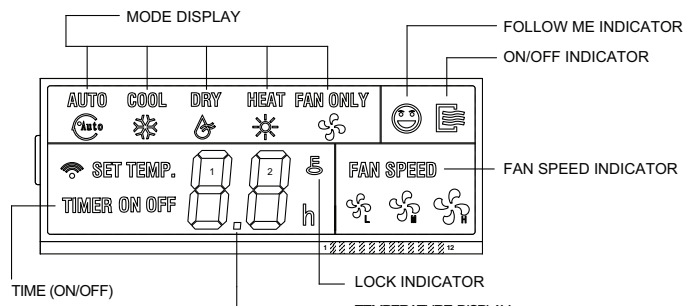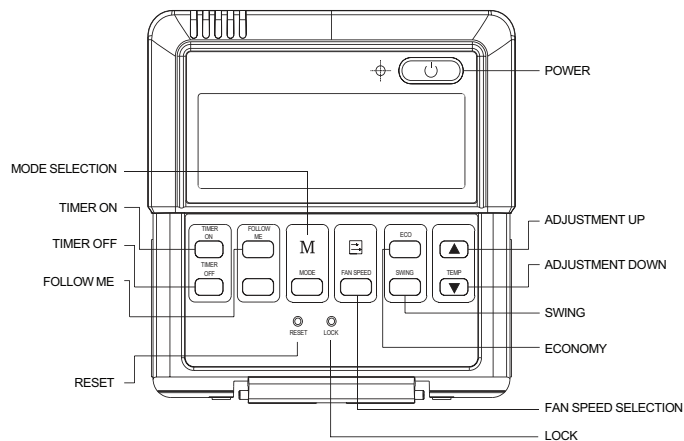
WIRED REMOTE CONTROL

M0STAT61Q-1

- Permanent Memory - Maintains clock, fan speed and mode of operation settings following power outages
- Dimensions (H x W x D) - 4-3/4 x 4-3/4 x 7/8 in.
- Additional hardware is furnished for installation
- Wiring - Controller uses 5-wire shielded 20 ft. (6 m) cable (furnished) for easy low voltage connection to the indoor unit
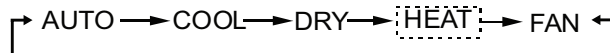- Maximum cable length is 40 ft. (12 m)

DISPLAY

- MODE DISPLAY
- FOLLOW ME INDICATOR
- ON/OFF INDICATOR
- FAN SPEED INDICATOR
- TIME (ON/OFF)
- LOCK INDICATOR

BUTTONS AND FUNCTIONS

- POWER
- MODE SELECTION
- TIMER ON
- TIMER OFF
- FOLLOW ME
- RESET
- ADJUSTMENT UP
- ADJUSTMENT DOWN
- SWING
- ECONOMY
- FAN SPEED SELECTION
- LOCK

MODE Button

- Select system operation modes. Push button to cycle through each setting
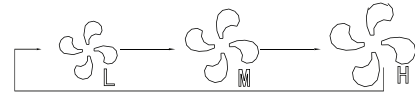
AUTO → COOL → DRY → HEAT → FAN

POWER Button

- Turns system on and off

FAN SPEED Button

- Selects fan speed. Each button press cycles through the following settings on display

L   M   H

NOTE - Not available in **AUTO** mode.

TIMER ON / TIMER OFF Buttons

- TIMER ON (initiates an auto-on time sequence)
- TIMER OFF (initiates an auto-off time sequence) can be used separately or together
- Each press of the button increases the time in 30 minute increments up to 10 hours
- Above 10 hours each press of the button will increase the auto-timed setting by 60 minutes up to 24 hours

NOTE - To cancel, set timer to 0.0.

UP/DOWN Buttons ▲ ▼

- Increase or decrease the indoor temperature in two degree increments (maximum 88°F, minimum 62°F).

NOTE - Temperature cannot be adjusted in FAN mode.

NOTE - Press and hold and buttons together for 3 seconds to alternate the temperature display between the °C and °F scale.

SWING Button

- Used to stop or start horizontal louver auto swing feature

ECONOMY Button

- Maintains the most comfortable temperature and saves energy

RESET Button (Recessed)

- Resets Controller to factory settings. Recessed to prevent tampering

LOCK Button (Recessed)

- Locks Controller buttons to prevent tampering with settings

OPTIONAL ACCESSORIES

Extension Cable for Wired Remote Controller

- 20 ft. cable for easy low voltage connection to the indoor unit
- Extends cable to maximum 40 ft. length

WIRED PROGRAMMABLE CONTROLLER

M0STAT64Q-2

- Wired programmable local controller for mini-split indoor units with convenient timed schedules for daily operation
- Up to 8 events per day
- Schedule start time, mode, setpoint, and fan speed
- Compatible with all indoor units
- Copy/paste function for easy duplication of events to other days
- Built-in system diagnostics
- Large, back-lit, easy-to-read LCD screen with digital display

BUTTONS AND FUNCTIONS

POWER Button
- Turn system on and off

FAN SPEED Button
- Scroll through fan speeds (Auto - Low - Med - High)

MODE Button
- Use + and − buttons to scroll through available operation modes (Auto / Cool / Dry / Fan / Heat)

PLUS (+) and MINUS (−) Buttons
- Setpoint adjustment (62-86°F)
- Select days of the week when setting a schedule
- Select mode of operation

SWING Button
- Stop or start horizontal (up/down) louver auto swing
- Controls swing oscillation and louver angle in 6° increments

TIMER Button
- Sets current time of day (24 hour clock)
- Setup weekly schedules or to setup timed operation for the indoor unit
- Stop/Stop timed operation

DAY OFF / DEL Button
- Disable specific days/schedules of the week
- Delete a specific event

CONFIRM Button
- Confirms each step when managing schedules

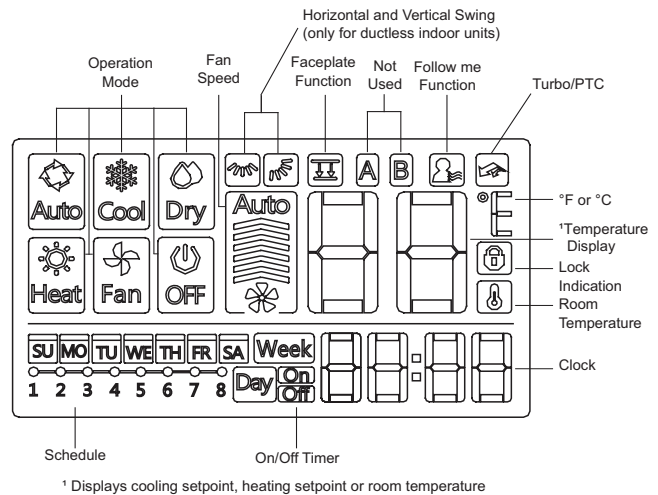BACK/TURBO Button
- Turbo sets indoor unit fan speed to high for a factory-set time period

COPY/FOLLOW ME Button
- Toggles between room temperature sensing from the indoor unit or the controller

DISPLAY

¹ Displays cooling setpoint, heating setpoint or room temperature

- Audible tone when a button is pressed (can be disabled)
- Lock function disables buttons to prevents tampering
- Controller uses 4-wire shielded 20 ft. (6 m) cable (furnished) for easy low voltage connection to the indoor unit
- Adaptor cables are furnished for various indoor unit connections

NOTE - Cable for longer lengths must be ordered separately.

NOTE - Maximum cable length is 164 ft. (50 m).

- Hardware for mounting furnished
- Mounts to standard electrical junction box (not furnished)
- Lithium battery furnished
- Power Supply: 5 VDC
- Dimensions (H x W x D): 4-7/8 x 4-3/4 x 3/4 in. (124 x 121 x 19 mm)

OPTIONAL ACCESSORIES

Extension Cable for Wired Programmable Controller
- 20 ft. cable for easy low voltage connection to the indoor unit
- Extends cable to 40 ft. (12 m) length

OPTIONAL ACCESSORIES - ORDER SEPARATELY

OUTDOOR UNITS

Condenser Pad
- Provides permanent foundation for outdoor units
- One-piece lightweight structural foam and molded from high-density polyethylene (HDPE)
- Lightweight, easy to carry and install
- Textured finish provides a non-skid surface so outdoor unit sits securely in one place
- UV stable

Disconnects
- Positive unit disconnect
- Single door enclosure
- Fused and non-fused models available

Fuses
- 30 and 60 amp fuses available

Indoor/Outdoor Wiring Cable
- 14-gauge, 4-conductor wire
- THHN (Thermoplastic High Heat-resistant Nylon-coated) wire
- Suitable for wet or dry locations
- Rated up to 600V

Refrigerant Line Sets
- Refrigerant lines are shipped refrigeration clean
- Lines are cleaned, dried, pressurized and sealed at factory

Wall Brackets
- Heavy duty 1/8 in. thick steel brackets for supporting outdoor units
- Mount at any height to allow for easy maintenance under units
- Pre-punched holes for easy installation
- Powder coated gray finish
- Load rating 600 lbs. per pair

Whips
- Heavy duty electrical whips are available in 8 and 10 gauge sizes
- 6 ft. lengths
- Weatherproof metal conduit

INDOOR UNITS

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

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

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

Wall Penetration Cover
SpeediChannel™
90° Flat Bend
SpeediChannel™
Union Coupling
SpeediChannel™
Outdoor Unit
Duct End
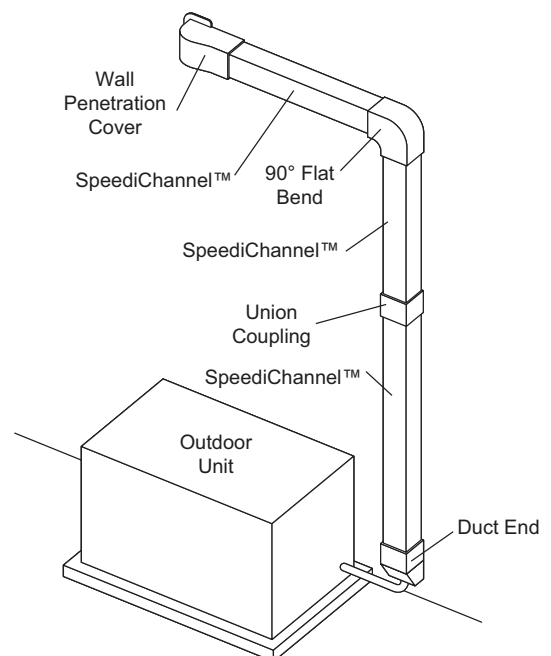
SPEEDICHANNEL™ SYSTEM (continued)

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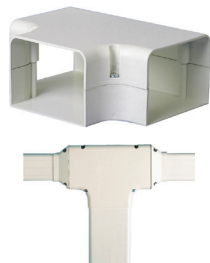
Union Coupling
- Union Couplings are used for joining two pieces of SpeediChannel™
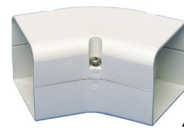- Each coupling is individually packed and furnished with stainless steel screws

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
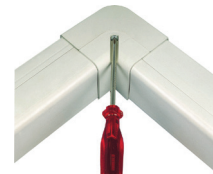
Mount Block White Qty. (2) 14 in. and (2) 36 in.
- Mount Blocks are used as mounting bases when outdoor units must be bolted down
- End caps (for aesthetics) come furnished with mounting bolts
- Maximum load capacity is 900 pounds per mounting block
- Installation temperatures range from -4ºF to 140ºF
- Mount blocks fit all mini-split outdoor units with a sliding rail feature

SPECIFICATIONS — 3PC OUTDOOR UNIT

	Outdoor Unit Model No.	3PC036S4S
	Nominal Tons	3
Ambient Temperature Operating Range - °F	Cooling	5 - 122
	Heating	5 - 86
Energy Star		Yes
Sound Data (dBA)	Cooling/Heating	61.5
Refrigerant (R-410A)	Charge furnished	7 lbs. 5 oz.
	Maximum line length with furnished charge - ft.	30
	Additional charge required per ft. - oz.	0.32
Compressor	No. and Type	(1) Rotary
	Refrigerant oil type	VG74
	Refrigerant oil charge - oz.	22.7
Connections - in.	Liquid/Gas pipe (flare)	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	213
	Max. difference in level of indoor unit - ft.	98
Outdoor Fan(s)	(No.) Diameter - in.	(1) 22
	Total air volume - cfm	2235
	rpm	1150
Outdoor Coil	Number of rows	3
	Fins per inch	18
	Fin type	Hydrophilic aluminum
	Tube outside diameter - in.	5/16
	Tube type	Rifled copper tubing
	Net face area - ft.²	8.14
	Application area - sq. ft.	515 - 750
Design Pressure	PSIG	550 / 340
Shipping Data	Net/Shipping weight (lbs.)	150 / 159

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V
	[1] Maximum Overcurrent Protection (amps)	35
	[2] Minimum circuit ampacity	28
Outdoor Fan Motor	Rated load amps	0.5
	Output - W	120

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 — 3WMC WALL-MOUNTED INDOOR UNIT

	Indoor Unit Model No.	3WMC036S4
	Nominal Tons	3
	Power Supply - 60 hz - 1 phase	208/230V
	Rated load amps	0.55
	Output (W)	58
Room Temperature Range (°F)	Cooling	60 - 90
	Heating	32 - 86
	Air Volume - cfm (High/Medium/Low)	639 / 506 / 382
	Sound Data (dBA) - Low/Medium/High	47.5 / 42 / 35.5
	Piping Connections - Liquid/Gas - o.d. - flare - in.	3/8 / 5/8
	Drain connection o.d. - in.	1
Shipping Data	Net/Shipping weights - lbs.	44 / 55

AHRI SYSTEM MATCH

Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	Heat Capacity		HSPF (IV)	AHRI Reference
						High	Low		
Wall-Mounted Non-Ducted	3PC036S4S-1P	3WMC036S4-1P	36,000	17.5	8.5	36,000	22,400	9.0	207683502

Ratings are AHRI certified to AHRI Standard 210/240-2017;
  • 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		Catalog No.	Size 36
OUTDOOR UNIT			
Condenser Pad (18 x 38 x 3)		Y5014	•
Disconnects	30 amp, fused, 1 ph	27P37	•
	60 amp, non-fused, 1 ph	27P39	•
Fuses	30A	83P75	•
	60A	83P77	•
Line Sets	3/8 in. x 5/8 in. x 25 ft.	X8406	•
	3/8 in. x 5/8 in. x 50 ft.	X8407	•
Wall Brackets	36 inch	X1728	•
Whips	10 Gauge - 1/2 in. x 6 ft.	29P54	•
	8 Gauge - 3/4 in. x 6 ft.	27P44	•
INDOOR UNIT			
[1] Diversitech Condensate Pumps with Reservoir	ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V	Y5170	•
	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	Y7949	•
Blue Diamond® Condensate Pumps with Reservoir	MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V	14T69	•
	MultiTank Kit	14T75	•
A/C Easy Tee® Condensate Cleanout		Y7947	•
CONTROLS			
Wired Remote Controller	M0STAT61Q-1	14A66	•
Extension Cable for Wired Remote Controller - 20 ft.		Y8008	•
NOTE - As an option, the Wired Remote Controller can be ordered for the wall-mount unit if desired.			
Wired Programmable Controller	M0STAT64Q-2	22U20	•
Extension Cable for Wired Programmable Controller - 20 ft.	M0CTRL64Q-1	Y8738	•
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.		Y2067	•
SPEEDICHANNEL™ SYSTEM			
SpeediChannel™ Starter Kit - 4 in.		Y3387	•
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	•
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	•

[1] Y7949 condensate pump can be installed inside the indoor unit. All other pumps must be installed external to the indoor unit.

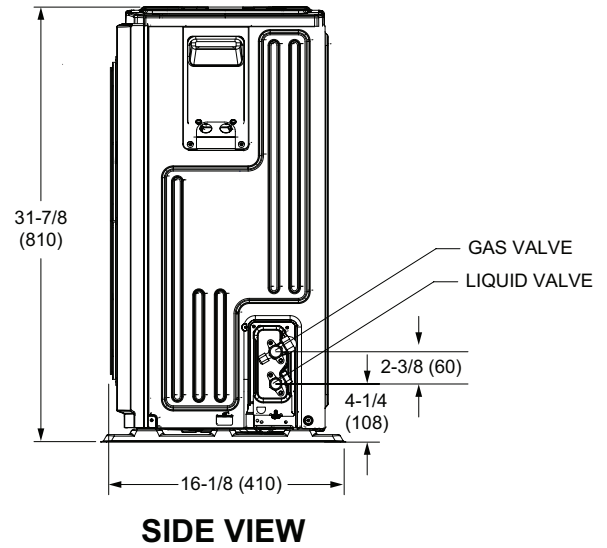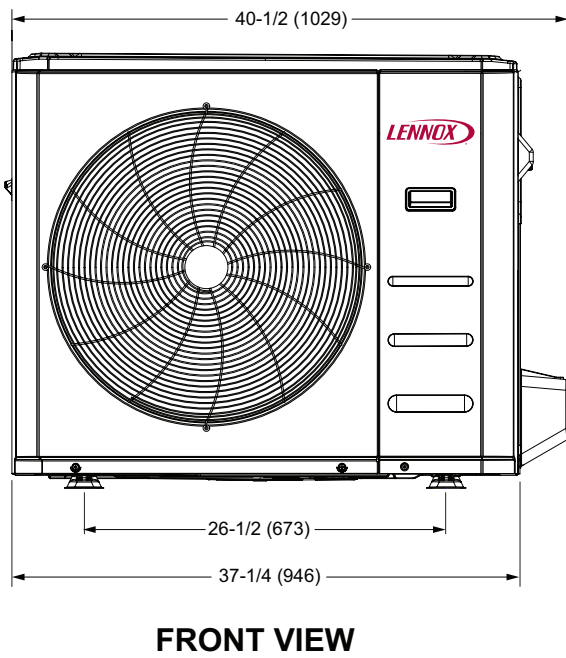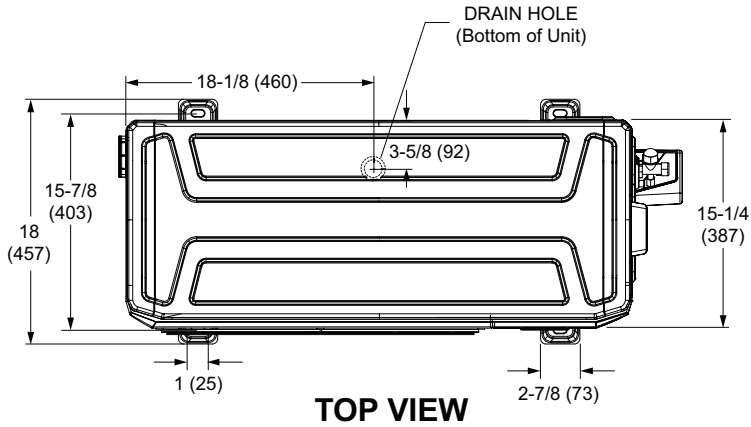| Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb / Wet Bulb)							
	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F	
	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh
−22	29.82	18.53	31.26	19.31	33.11	20.36	35.22	21.52
−13	31.05	19.68	32.82	20.69	34.73	21.76	36.37	22.66
−4	31.67	20.72	33.13	21.53	34.58	22.37	36.79	23.66
0	31.61	21.76	33.63	23.04	35.03	23.86	36.91	24.99
5	30.88	21.79	32.75	23.00	34.84	24.33	37.02	25.73
17	32.00	22.24	33.37	23.07	35.23	24.23	37.32	25.53
25	32.68	23.61	34.26	24.64	35.91	25.70	37.68	26.79
35	32.32	23.91	34.35	25.28	36.50	26.73	38.06	27.71
47	33.32	25.23	34.93	26.33	37.16	27.87	38.75	28.91
55	33.81	25.48	35.85	26.90	37.74	28.18	39.56	29.39
65	35.40	26.64	37.07	27.74	38.69	28.83	40.43	29.96
75	35.82	28.10	37.58	29.32	39.19	30.40	41.25	31.85
85	34.80	28.04	36.59	29.30	38.47	30.64	40.58	32.14
95	32.83	26.57	34.63	27.86	36.60	29.26	38.86	30.89
105	31.34	26.85	33.13	28.25	34.77	29.50	36.99	31.18
115	29.14	27.32	30.61	28.57	32.12	29.84	33.81	31.24
122	27.45	27.35	28.71	28.50	30.22	29.89	31.98	31.50

Outdoor Temperature - °F (Dry Bulb)	Indoor Temperature - °F (Dry Bulb)			
	60°F	65°F	70°F	75°F
	Total mBtuh	Total mBtuh	Total mBtuh	Total mBtuh
−22	14.77	14.37	13.94	13.34
−13	16.09	15.63	15.24	14.67
−4	17.64	17.21	16.66	15.97
0	19.81	19.24	18.73	17.94
5	21.65	21.04	20.43	19.69
17	22.67	22.01	21.48	20.51
20	24.17	23.53	22.87	22.05
25	25.86	24.99	24.26	23.41
32	27.07	26.36	25.59	24.54
35	28.44	27.75	26.89	25.68
40	34.58	33.47	32.40	30.98
47	39.30	38.16	37.01	35.35
50	39.67	38.63	37.61	36.26
57	40.52	39.15	38.12	36.79

DRAIN HOLE
(Bottom of Unit)

18-1/8 (460)

3-5/8 (92)

15-7/8
(403)

18
(457)

15-1/4
(387)

1 (25)

2-7/8 (73)

TOP VIEW

40-1/2 (1029)

31-7/8
(810)

GAS VALVE

LIQUID VALVE

2-3/8 (60)

4-1/4
(108)

26-1/2 (673)

16-1/8 (410)

37-1/4 (946)

SIDE VIEW

FRONT VIEW

3WMC036S4

46-7/8 (1191)

14-5/8 (371)

11 (279)

SIDE VIEW

FRONT VIEW

BOTTOM VIEW

3MWC036S4

Indoor unit outline

22-1/2 (570)

2-3/8 (60)

14-5/8 (371)

2 (51)

2-3/4 (70)

2 (51)

2 (51)

44-7/8 (1140)

Left rear side
refrigerant pipe inlet
2-1/2 (64) diameter

Right rear side
refrigerant pipe inlet
2-1/2 (64) diameter

24 (610)

12 (305)

24 (610)

Air Inlet

[1] 12 (305)

79 (2007)

Air Outlet
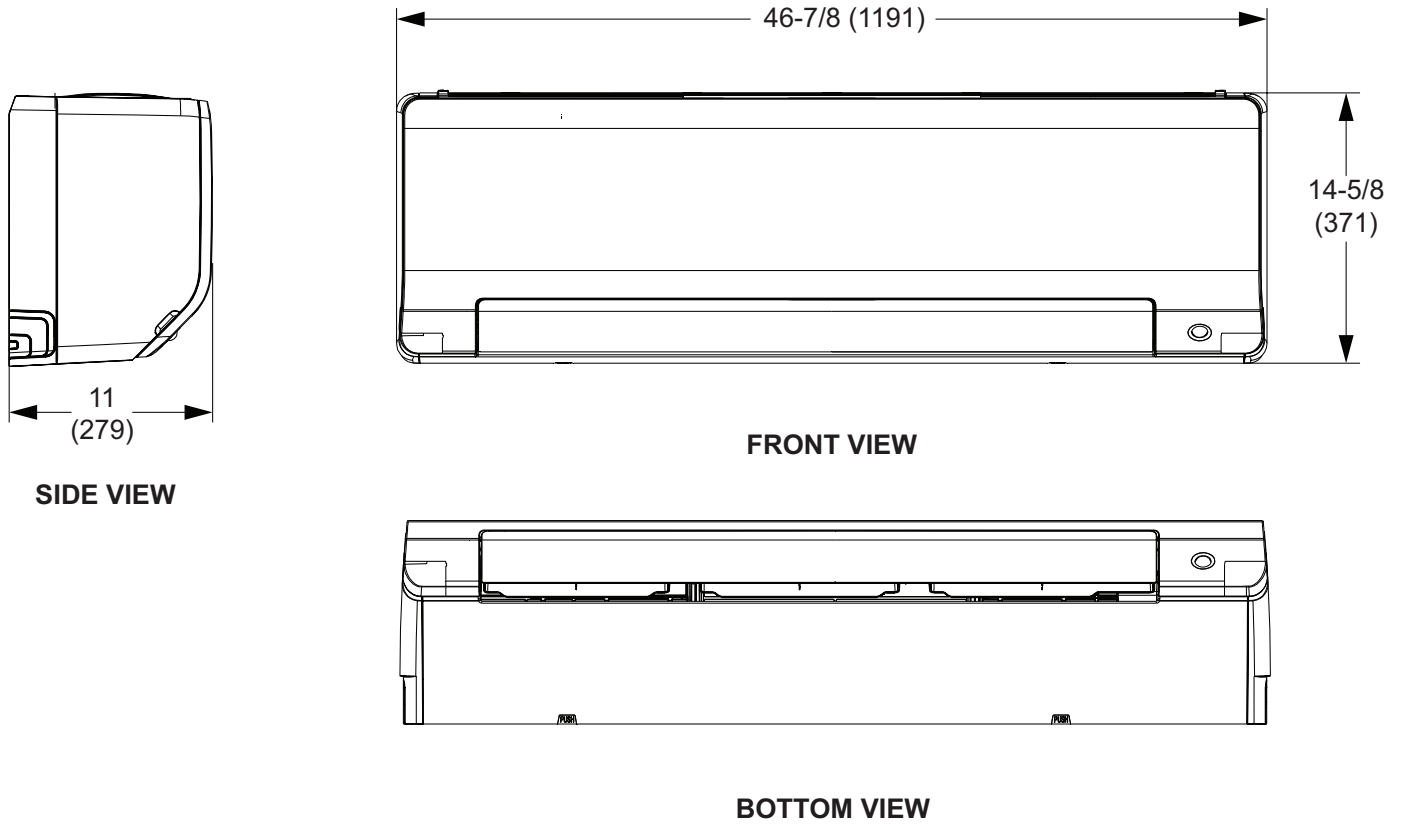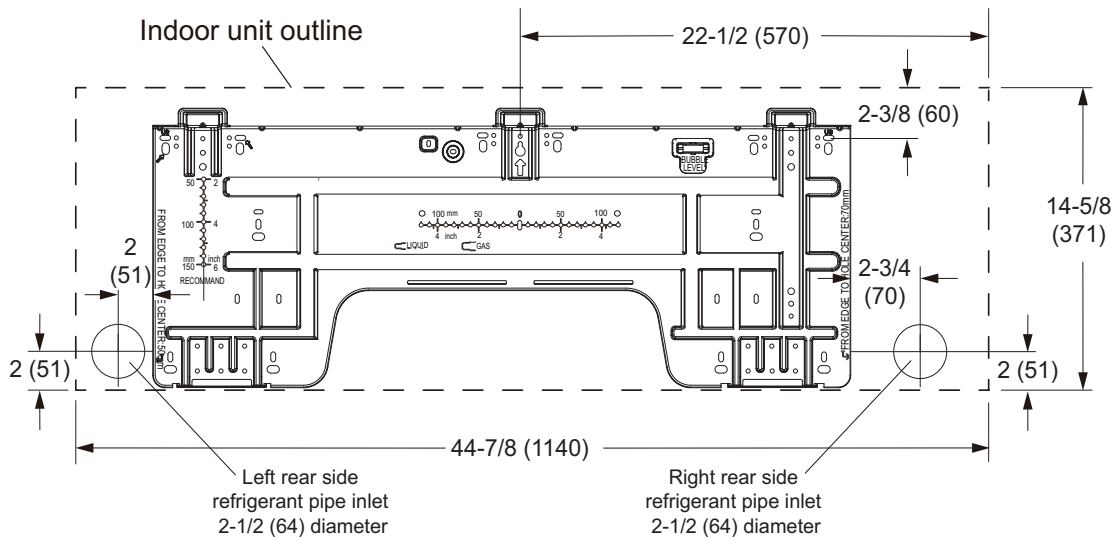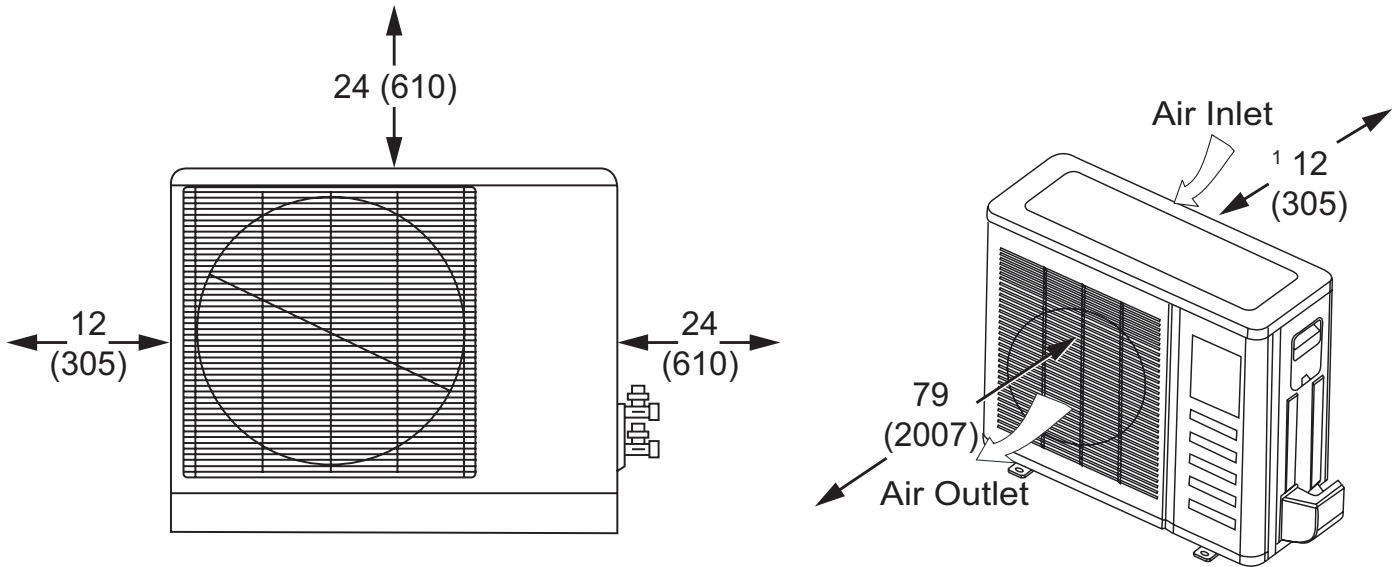
[1] Minimum rear clearance can be 6 inches (152 mm) when mounted on brackets and with no obstructions on the other three sides.

WALL

WALL

Vertical Clearance - Clearance to Ceiling - 6 inches (152 mm) Minimum

Wall-Mount

5 (127) Minimum

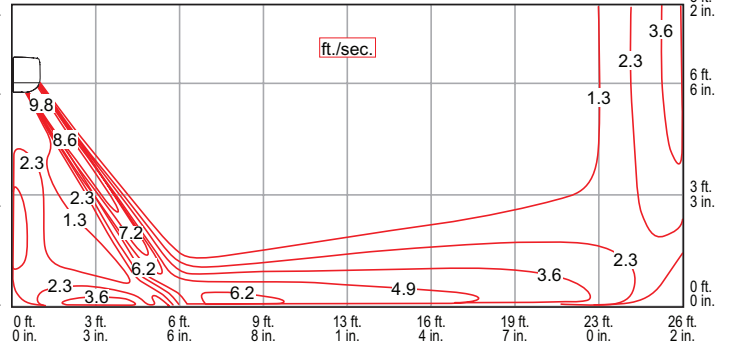5 (127) Minimum

FRONT VIEW
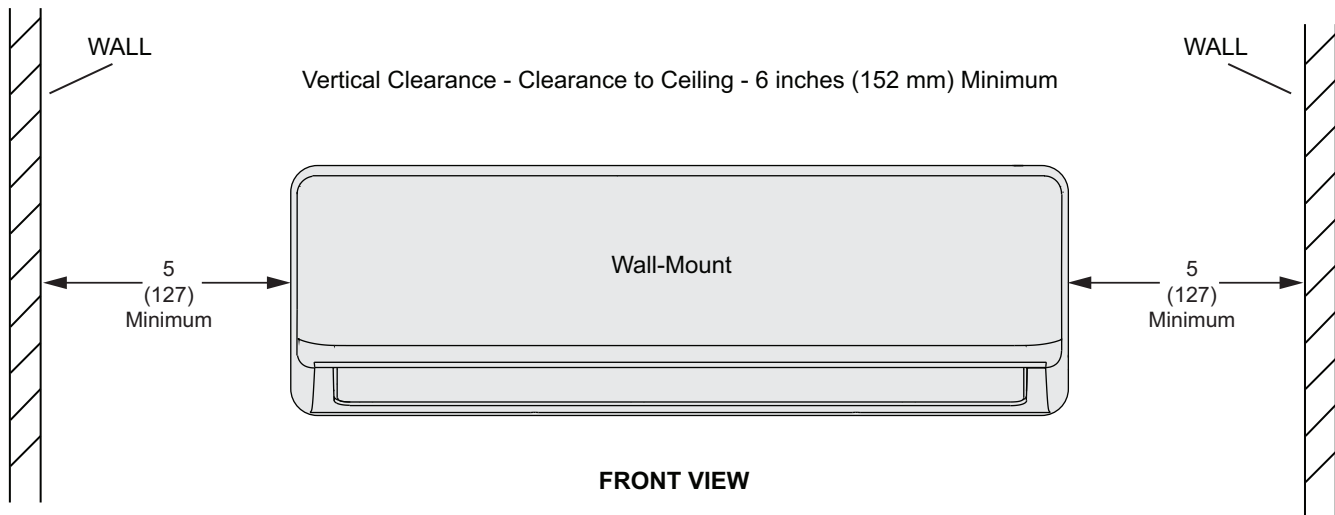
Vertical Clearance - Clearance to Floor - 72 inches (1829 mm) Minimum
NOTE - Provide 96 inches (2438) clearance to floor for best performance

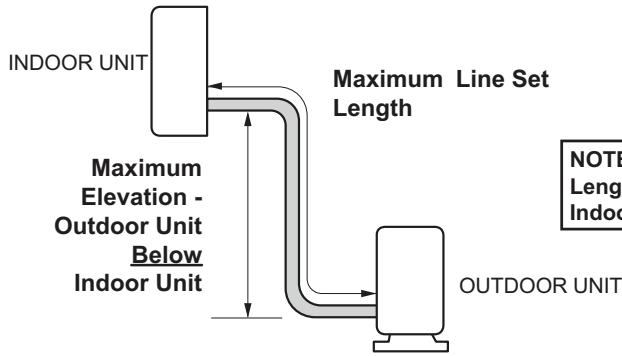## AIR THROW DATA - WALL-MOUNTED INDOOR UNITS

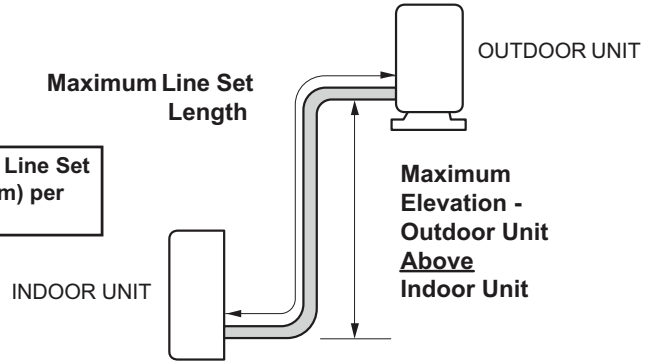**3MWMC036S4-1P - COOLING**
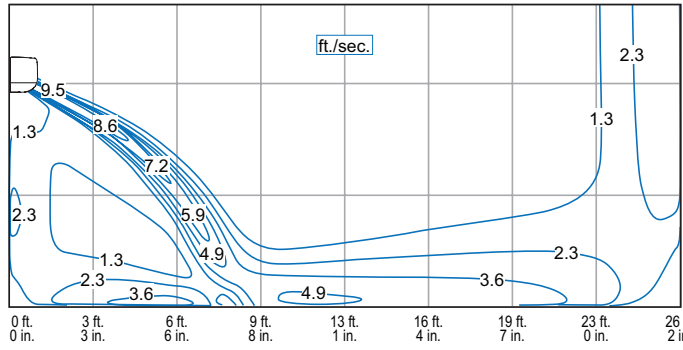
3MWMC036S4-1P - HEATING

LINE SET AND ELEVATION GUIDELINES

Outdoor Unit <u>BELOW</u> Indoor Unit

INDOOR UNIT

Maximum Line Set Length

Maximum Elevation - Outdoor Unit <u>Below</u> Indoor Unit

OUTDOOR UNIT

NOTE - Minimum Line Set Length - 10 ft. (3 m) per Indoor Unit

Outdoor Unit <u>ABOVE</u> Indoor Unit

OUTDOOR UNIT

Maximum Line Set Length

Maximum Elevation - Outdoor Unit <u>Above</u> Indoor Unit

INDOOR UNIT

Size	Line Set Diameters (in.)		Maximum Elevation - Outdoor Unit <u>Below</u> Indoor Unit ft. (m)	Maximum Elevation - Outdoor Unit <u>Above</u> Indoor Unit ft. (m)	Maximum Line Set Length ft. (m)
	Liquid	Gas			
036	3/8	5/8	98 ft. (30 m)	98 ft. (30 m)	213 ft. (65 m)

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