MINI-SPLIT SYSTEMS



MCA

Mini-Split

Single Zone Ductless Air Conditioning Systems - R-410A - 60 Hz

RESIDENTIAL / COMMERCIAL PRODUCT SPECIFICATIONS

Bulletin No. 210877 May 2020 Supersedes April 2020



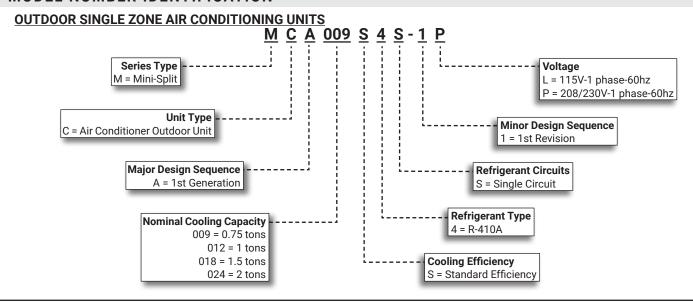
Wireless Remote Control (furnished with Wall-Mount Model)

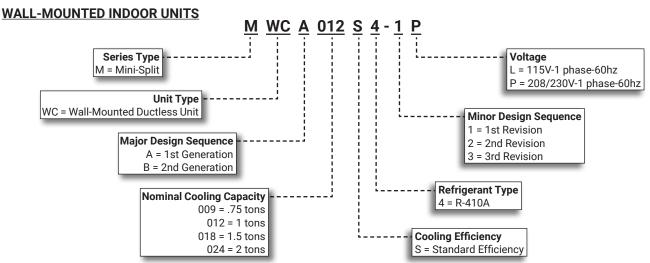


MCA Outdoor Air Conditioning Unit

SEER - Up to 20.00 0.75 to 2 Tons Cooling Capacity - 9,000 to 22,000 Btuh

MODEL NUMBER IDENTIFICATION





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APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 210/240 certified with Addenda 1 and 2
- ENERGY STAR® certified (certain models)
- · Rated According to U.S. Department of Energy (DOE) test procedures
- · Indoor and outdoor units and components UL aned 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 five years
- · All other covered components Limited five years

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

FEATURES - OUTDOOR UNITS

APPLICATIONS

- SEER Up to 20.00
- 0.75 through 2 ton
- · Single phase power supply
- 115V (012 model only)
- 208/230V (all models)
- · Outdoor unit sound levels as low as 51 dBA
- Indoor unit sound levels as low as 24.5 dBA
- Ductless mini-split systems provide a wide range of capacities and 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 use.

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

FEATURES - OUTDOOR UNITS

CONTROLS (continued)

Capillary Tube Refrigerant Metering

- Refrigerant metering device consisting of small diameter tubes feeding liquid refrigerant into the evaporator coil
- · Furnished on all units

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

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.

- Access cover for power and control wiring connections
- Access cover for service valves

FEATURES - INDOOR UNITS

WALL-MOUNTED INDOOR UNITS



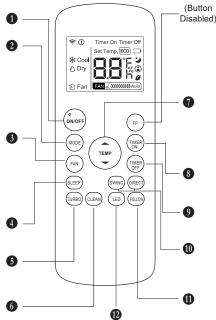
- Low-sound, three-speed Wall Mount with LED display offers three access points for refrigerant outlet pipes: left, right or rear
- The front panel can be raised for accessible wiring and maintenance
- Swing louver angles to 90°
- Unit installs horizontally on a vertical wall
- LED Readout Mounted on 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

ACCESSORIES (FURNISHED)

WIRELESS REMOTE CONTROLLER

Furnished with Indoor Unit.

- · 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



1 ON/OFF Button

• Turns system on and off

MODE Button

 Select system operation modes. Push button to cycle through each setting

FAN Button

Select fan speed. Push button to cycle through each setting

NOTE - Hold button for 2 seconds to activate Silence function. Operates the compressor at low frequency and low fan speed to reduce operating sound levels to a minimum. Hold FAN button for 2 seconds to cancel.

4 SLEEP Button

- Enables the system to automatically increase cooling (in 2°F increments) per hour for the first 2 hours, then maintain a steady temperature for 5 hours
- System shuts off after 7 total hours of operation
- **NOTE** To cancel, push the "MODE", "FAN SPEED" or "ON/OFF" buttons.

NOTE - SLEEP mode is only available when the unit is in COOL mode.

- TURBO Button
 - Enables the unit to reach the preset temperature during cooling operation in the shortest time.
- 6 CLEAN Button
 - Automatically cleans and dries the evaporator coil at the end of the cooling season, preventing any odors or mildew.

NOTE - CLEAN mode is only available in COOL or DRY mode.

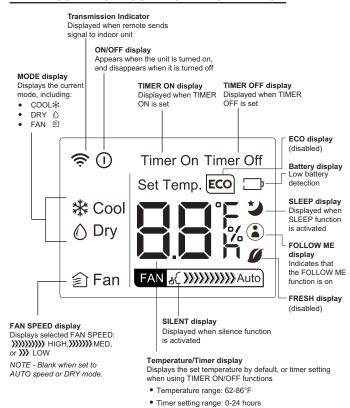
- 7 UP/DOWN Buttons -
 - Increase or decrease the indoor temperature in one degree increments (maximum 86°F, minimum 62°F).
 - **NOTE** Temperature cannot be adjusted in FAN mode.
 - **NOTE** Press and hold and buttons together for 3 seconds to alternate the temperature display between the °F and °C scale.
- 8 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 or turn remote off and on.

- 9 SWING Button
 - Used to start or stop horizontal (up/down) louver autoswing feature
- 10 DIRECT Button
 - Used to change the louver movement and set the desired up/down air flow direction
 - The louver angle changes 6° for each press of the button
- **11** FOLLOW Button
 - Allows remote temperature sensing of the room at the remote controller location
- 12 LED Button
 - Turns the LCD display backlight on the indoor unit on or off

ACCESSORIES (FURNISHED)

WIRELESS REMOTE CONTROLLER OPERATION



NOTE - Blank when operating in FAN mode.

Cooling Operation

- 1. Press the MODE button to select COOL mode.
- Press the ON/OFF button to start the air conditioner.

DRY (Dehumidifying) 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 air conditioner.

NOTE - Fan speed cannot be changed in DRY mode.

Fan Operation

- 1. Press the MODE button to select FAN mode.
- 2. Press the **FAN** button to select the fan speed in four steps- Auto, Low, Med,or High.
- Press the ON/OFF button to start the air conditioner.

NOTE - Temperature settings are disabled during fan only operation.

Timer ON/OFF Operation

- Press the TIMER ON or TIMER OFF button. The remote controller shows TIMER ON or TIMER OFF, the previous Auto-on time setting and the signal "h" (indicating hours) will be shown on the LCD display area.
- Push the TIMER ON or TIMER OFF button again to set desired time. Each time you press the button, the time increases by 30 minutes between 0 and 10 hours and 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 signal "h" (indicating hours) will disappear and the set temperature will re-appear on the LCD display window.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

WIRED PROGRAMMABLE CONTROLLER

M0STAT64Q-1



- 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)

NOTE - HEAT and AUTO modes are not available on air conditioner models.

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

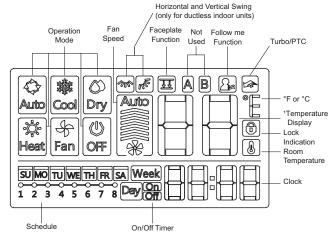
BACK/TURBO Button

 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 ACCESORIES - ORDER SEPARATELY

WIRED NON-PROGRAMMABLE CONTROLLER

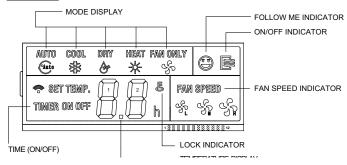
M0STAT61Q-1



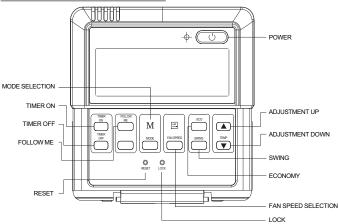
- Permanent Memory Maintains clock, fan speed and mode of operation settings following power outages
- Dimensions (H x W x D) 4-3/4 x 4-3/4 x 7/8 in.
- · Additional hardware is furnished for installation
- Controller uses 5-wire shielded 20 ft. (6 m) cable (furnished) for easy low voltage connection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

NOTE - Maximum cable length is 40 ft. (12 m).

DISPLAY



BUTTONS AND FUNCTIONS



MODE Button

Select system operation modes. Push button to cycle through each setting



POWER Button

· Turns system on and off

Fan Speed Button

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



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. (12 m) length

OPTIONAL ACCESORIES - 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

Hail Guards

- Protects outdoor coils on all sides without inhibiting airflow or performance
- Self-tapping screws provided for installation
- Flat shape allows for outdoor units to be placed close together
- · Each kit contains all required guards
- Order one hail guard kit per outdoor unit module

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

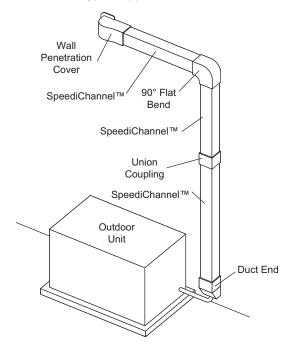
- · Condensate drain service port
- · Flexible and easy to use with nitrogen, water or shop vac
- Screw cap on top allows easy access to condensate drain line

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



OPTIONAL ACCESORIES - 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

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







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
- nstallation temperatures range from -4°F to 140°F
- Mount blocks fit all mini-split outdoor units with a sliding rail feature

Outdoor Unit N	lodel No.	MCA009S4S	MCA0	12S4S	MCA018S4S	MCA024S4S	
Nominal Size -	Tons	0.75		1	1.5	2	
Ambient Tempo	erature Operating Range - °F	5 - 122	5 -	122	5 - 122	5 - 122	
Energy Star		No	N	lo	No	No	
Sound Data (dl	ВА)	51	5′	1.5	53.5	57	
Refrigerant	Charge furnished (115V)		1 lb.	5 oz.			
(R-410A)	Charge furnished (208/230V)	1 lb. 2 oz.	1 lb.	3 oz.	2 lbs. 0 oz.	2 lbs. 9 oz.	
Maximum line	e length with furnished charge - ft.	25	2	25	25	25	
Addi	tional charge required per ft oz.	0.16	0.	16	0.16	0.32	
Compressor	No. and Type	(1) Rotary	(1) F	Rotary	(1) Rotary	(1) Rotary	
	Refrigerant oil type	VG74	VC	G74	VG74	VG74	
	Refrigerant oil charge - oz.	5.7		(115V) 08/230V	14.9	15.2	
Connections -	in. Liquid/Gas pipe (flare)	1/4 / 3/8	1/4	/ 1/2	1/4 / 1/2	3/8 / 5/8	
Maximum refrigerant pipe length - ft.		82	8	32	98	98	
Max. difference in level of indoor unit - ft.		33	33		66	66	
Outdoor	(No.) Diameter - in.	(1) 16-3/4	(1) 1	6-3/4	(1) 16-3/4	(1) 19-1/4	
Fan	Total air volume - cfm	1230		(115V) 08/230V	1195	1824	
	rpm	850/700	850	/700	850/700	800/550	
Outdoor Coil	Number of rows	1	1		2	2	
	Fins per inch	21	21		21	21	
	Fin type	Hydrophilic aluminium					
	Tube outside diameter - in.	1/4 1/4 1/4 1/4					
	Tube type			Rifled copp	er tubing		
	Net face area - ft.²	4.15	4.	15	4.15	5.48	
	Application area - ft.²	130 - 195		50 (115V) (208/230V)	250 - 355	310 - 460	
Design Pressu	re PSIG	550/340	550	/340	550/340	550/340	
	Net/Shipping weight (lbs.) (115V)		63	/ 68			
Data	(208/230V)	54 / 59	55	/ 60	66 / 73	89 / 96	
ELECTRICAL [DATA						
Electrical Char	acteristics - 60 Hz - 1 Phase	208/230V	115V	208/230V	208/230V	208/230V	
¹ Maximu	m Overcurrent Protection (amps)	15	20	15	20	25	
² Minimum circuit ampacity		10	15	11	15	18	
Compressor Rated load amps		6.2	9.5	6.8	9.0	12.0	
Outdoor Fan	Rated load amps	0.4	0.6	0.5	0.6	0.6	
Motor	Output - W	58	58	58	58	115	

 $\ensuremath{\mathsf{NOTE}}$ - 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 - WALL-MOUNTED INDOOR UNITS									
Indoor Unit Model No.	MWCA009S4	MWCA	A012S4	MWCA018S4	MWCA024S4				
Nominal Size - Tons	0.75		1	1.5	2				
Power Supply - 60 hz - 1 phase	208/230V	115V	208/230V	208/230V	208/230V				
Rated load amps	0.22	0.43	0.22	0.40	0.40				
Output (W)	47.4	46	47.4	36	89				
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90	62 - 90	62 - 90				
Air Volume - cfm (High/Medium/Low)	241/206/147	235/206/147	241/194/206	530/441/353	581/456/331				
Sound Data (dBA) - Low/Medium/High	26.5/32/38	24.5/33/38.5	24.5/34.5/37.5	30.5/34.5/42	34/40.5/46				
Piping Connections - Liquid/Gas - o.d flare - in.	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8				
Drain connection o.d in.	1	1	1	1	1				
Net/Shipping weights - lbs.	17 / 22	19 / 25	18 / 24	26 / 31	32 / 40				

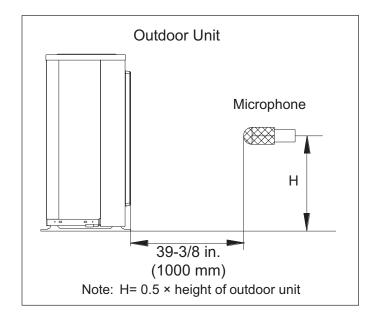
AHRI SYSTEM MATCHES									
Indoor Unit Type	Outdoor Unit Indoor Unit Cooling Capacity SEER EER AHRI Reference								
	MCA009S4S-1P	MWCA009S4-1P	9,000	19.00	11.10	202515503			
Ductless	MCA012S4S-1L	MWCA012S4-1L	12,000	16.50	10.00	202515502			
	MCA012S4S-1P	MWCA012S4-1P	11,500	19.00	11.10	202515504			
	MCA018S4S-1P	MWCA018S4-1P	17,000	20.00	10.80	202515505			
	MCA024S4S-1P	MWCA024S4-1P	22,000	19.00	10.90	202515506			

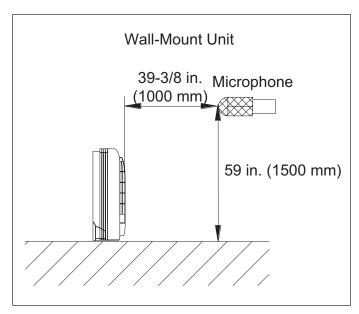
Ratings are AHRI certified to AHRI Standard 210/240 with Addenda 1 and 2 (with 25 ft. of connecting refrigerant lines); 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air.

Hail Guards	OPTIONAL A	CCESSORIES - ORDER SEPARATELY					
OUTDOOR UNIT	Description		Catalog		Si	ze	
Condenser Pad (18 x 38 x 3)	Description		No.	09	12	18	24
Disconnects 30 amp, fused, 1 ph 60 amp, non-fused, 1 ph 70 amp, non-fused, 1 amp, non		OUTDOOR UNIT					
Fuses	Condenser Pad (18	·	Y5014	•	•	•	•
Fuses	Disconnects	30 amp, fused, 1 ph	27P37	•	•	•	•
Hail Guards		60 amp, non-fused, 1 ph		•	•	•	•
Hall Guards M9GARD19C-1 M9GARD15C-1 15D32	Fuses	30A	83P75	•	•	•	•
M9GARD15Q-1				•	•	•	•
Line Sets	Hail Guards			•		•	N/A
1/4 in. x 1/2 in. x 2/8 in. x 50 ft. 1/4 in. x 1/2 in. x 1/2 in. x 2/5 ft. 1/4 in. x 1/2 i					N/A		
1/4 in. x 1/2 in. x 25 ft. 1/4 in. x 1/2 in. x 25 ft. 1/4 in. x 1/2 in. x 1/2 in. x 50 ft. 1/4 in. x 1/2 in. x 50 ft. 3/8 in. x 5/8 in.	Line Sets			•			
1/4 in. x 1/2 in. x 50 ft. 3/8 in. x 25 ft. 3/8 in. x 5/8 in. x 25 ft. 3/8 in. x 5/8 in						N/A	
3/8 in. x 5/8 in. x 25 ft. 3/8 in. x 5/6 ft. x x x x x 5/6 ft. x x x 5/6 ft. x x x x 5/6 ft. x x x x x 5/6 ft. x x x 5/6 ft. x x x x x 5/6 ft. x x 5/6 ft. x x x 5/6 ft. x					•	•	
Mail Brackets 30 inch X1727			X0259	N/A	•	•	N/A
Wall Brackets							•
Whips		3/8 in. x 5/8 in. x 50 ft.	X8407		N/A		•
8 Gauge - 3/4 in. x 6 ft. 27P44	Wall Brackets	30 inch	X1727	•	•	•	•
Diversitech ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V V5170	Whips	· ·	29P54	•	•	•	•
Diversitech Condensate		8 Gauge - 3/4 in. x 6 ft.	27P44	•	•	•	•
Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V Y7946 N/A • N/A N/A Pumps with Reservoir Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 2030V Y7949 • • • • • • • • • • • • • • • • • •		INDOOR UNIT			,		
Pumps with Reservoir Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V Plumps with MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 210V-230V Pumps with Reservoir MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V Pumps with Reservoir Sensor Cable Extension - 16 ft. A/C Easy Tee® Condensate Cleanout CONTROLS Wired Programmable Controller M0STAT64Q-1 Extension Cable for Wired Programmable Controller - 20 ft. M0CTRL64Q-1 Extension Cable for Wired Programmable Controller - 20 ft. M0CTRL64Q-1 Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft. SPEEDICHANNEL™ SYSTEM SpeediChannel™ Starter Kit - 4 in. SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6) Union Coupling - 4 in. 90° Flat Bend Elbow - 4 in. 90° Flat Bend Elbow - 4 in. 45° Flat Bend Elbow - 4 in. Duct End - 4 in. Flex Joint - 4 in. Duct End - 4 in. Flat Wall Escutcheon - 4 in. MirroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V 41774 • • • N/A 14T76 • • • N/A 14T76 14T76 14T76 14T76 14T76 14T77 14T76 14T76 14T76 14T76 14T76 14T76 14T77 14T76 14T	¹ Diversitech	ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V	Y5170	•	•	•	•
Reservoir Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V Y7949	_	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V	Y7946	N/A	•	N	I/A
Condensate Pumps with Reservoir MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V MultiTank Kit Sensor Cable Extension - 16 ft. 14T69 N/A • • • • • • • • • • • • • • • • • • •	•	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	Y7949	•	•	•	•
Condensate Pumps with Reservoir MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V MultiTank Kit Sensor Cable Extension - 16 ft. 14T69 N/A • • • • • • • • • • • • • • • • • • •	¹ Blue Diamond®	MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V	14T74	•	•	•	N/A
Pumps with Reservoir Sensor Cable Extension - 16 ft. 14T76		MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V	14T69		N/A	I.	
Sensor Cable Extension - 16 ft. 14T76 • • • A/C Easy Tee® Condensate Cleanout Y7947 • • • CONTROLS Wired Programmable Controller M0STAT64Q-1 15D30 • • • Wired Non-Programmable Remote Controller M0STAT61Q-1 14A66 • • • 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™ Starter Kit - 4 in. Y3388 • • • SpeediChannel™ Starter Kit - 4 in. Y3388 • • • SpeediChannel™ Starter Kit - 4 in. Y3389 • • • Union Coupling - 4 in. Y3399 • • • Union Coupling - 4 in. Y3391 •	•		14T75		N/A		•
CONTROLS Wired Programmable Controller M0STAT64Q-1 15D30 • • • • • • Wired Non-Programmable Remote Controller M0STAT61Q-1 14A66 • • • • • • • 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 • • • • • • • • • • • • • • • • • • •	Reservoir	Sensor Cable Extension - 16 ft.	14T76	•	•	•	
CONTROLS Wired Programmable Controller M0STAT64Q-1 15D30 • • • • • • Wired Non-Programmable Remote Controller M0STAT61Q-1 14A66 • • • • • • • 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 • • • • • • • • • • • • • • • • • • •	A/C Easy Tee® Con	densate Cleanout	Y7947	•	•	•	•
Wired Non-Programmable Remote Controller MOSTAT61Q-1 14A66 • • • 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° Inside Elbow - 4 in. Y3391 • • • • 90° Inside Elbow - 4 in. Y3391 • • • • 45° Flat Bend Elbow - 4 in. Y3392 • • • • Flex Joint - 4 in. Y3393 • • • • T-Joint - 4 in. Y3395 • • • • • • • • • • •	•						
Extension Cable for Wired Programmable Controller - 20 ft. M0CTRL64Q-1 Y8738 ·	Wired Programmab	ole Controller M0STAT64Q-1	15D30	•	•	•	•
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. Y3397 • • • • Mount Block (White) Qty, 2 - 14 in. Y3397 • • • •	Wired Non-Program	nmable Remote Controller M0STAT61Q-1	14A66	•	•	•	•
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 • • •	Extension Cable fo	r Wired Programmable Controller - 20 ft. M0CTRL64Q-1	Y8738	•	•	•	•
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. Y3397 • • • Mount Block (White) Qty, 2 - 14 in. Y3397 • • •	Indoor/Outdoor Wir	ring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.	Y2067	•	•	•	•
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 • • •		SPEEDICHANNEL™ SYSTEM					
Union Coupling - 4 in. Y3389 • • • 90° Flat Bend Elbow - 4 in. Y3391 • • • 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 • • •	SpeediChannel™ S	Starter Kit - 4 in.	Y3387	•	•	•	•
90° Flat Bend Elbow - 4 in. 90° Inside Elbow - 4 in. 45° Flat Bend Elbow - 4 in. Y3391 Y3392 Flex Joint - 4 in. Y3393 T-Joint - 4 in. Y3394 T-Joint - 4 in. Y3395 T-Joint - 4 in. Y3395 Wall Penetration Cover - 4 in. Y3399 Y3399 Y3397 Y3397 Y3397	SpeediChannel - 4	in. x 6-1/2 ft. (qty. 6)	Y3388	•	•	•	•
90° Inside Elbow - 4 in. 45° Flat Bend Elbow - 4 in. Flex Joint - 4 in. T-Joint - 4 in. Duct End - 4 in. Y3395 Flat Wall Escutcheon - 4 in. Wall Penetration Cover - 4 in. Mount Block (White) Qty, 2 - 14 in. Y3391 Y3392 Y3393 Y3393 Y3395 Y3396 Y3396 Y3397 Y3397	Union Coupling - 4	in.	Y3389	•	•	•	•
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 • • •			Y3390	•	•	•	•
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 • • •	90° Inside Elbow -	4 in.	Y3391	•	•	•	•
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 • • • • • •	45° Flat Bend Elbo	w - 4 in.		•	•	•	•
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 • • •	Flex Joint - 4 in.			•	•	•	•
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 • • •				•	•	•	•
Flat Wall Escutcheon - 4 in. Y3396 • • • Wall Penetration Cover - 4 in. Y3399 • • • Mount Block (White) Qty, 2 - 14 in. Y3397 • • •	Duct End - 4 in.			•	•	•	•
Wall Penetration Cover - 4 in. Y3399 • • • Mount Block (White) Qty, 2 - 14 in. Y3397 • • •		on - 4 in.		•	•	•	•
Mount Block (White) Qty, 2 - 14 in.				•	•	•	•
				•	•	•	•
	•	•		•	•	•	•

¹ Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

SOUND LEVELS - TEST CONDITIONS





COOLING CAPACITY - 009 (208/230V) Outdoor Indoor Temperature - °F (Dry Bulb / Wet Bulb) Temperature - °F 65°F / 54°F 70°F / 59°F 75°F / 63°F 80°F / 67°F (Dry Bulb) **Total** Sensible **Total** Sensible **Total** Sensible **Total** Sensible mBtuh mBtuh mBtuh mBtuh mBtuh mBtuh mBtuh mBtuh 5 7.96 5.70 8.44 6.12 9.11 6.53 9.59 6.86 6.27 15 8.56 9.18 6.79 9.96 7.29 10.37 7.60 7.03 25 9.08 6.18 9.57 10.33 10.87 7.33 6.45 35 9.45 6.51 9.89 6.79 10.61 7.32 11.17 7.72 45 10.45 7.13 10.89 7.46 11.82 8.07 12.44 8.45 55 10.41 7.58 10.97 7.98 11.97 8.71 12.47 9.03 65 10.45 7.61 11.01 8.02 11.89 8.66 12.51 9.12 75 10.61 7.44 11.11 7.79 11.86 8.32 12.55 8.80 85 7.06 10.39 7.35 11.22 7.98 9.92 11.81 8.32 95 9.24 6.81 9.79 7.21 10.45 7.70 11.06 8.27 105 8.69 6.78 9.16 7.14 9.89 7.71 10.40 8.12 110 8.14 6.92 8.63 7.34 9.22 7.83 9.75 8.29 115 7.37 6.56 7.81 6.95 8.43 7.50 8.87 7.90 122 6.59 6.07 6.99 6.43 7.58 6.98 7.90 7.27

COOLING CAPACITY - 012 (115V)										
Outdoor		Indoor Temperature - °F (Dry Bulb / Wet Bulb)								
Temperature - °F (Dry 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		
5	7.64	5.28	8.13	5.61	8.44	5.80	8.83	6.09		
15	7.93	5.62	8.44	5.98	8.85	6.32	9.22	6.52		
25	8.38	5.94	8.77	6.22	9.30	6.62	9.63	6.90		
35	8.81	6.18	9.16	6.42	9.61	6.82	10.06	7.10		
45	9.00	6.63	9.63	7.09	10.09	7.55	10.46	7.68		
55	9.47	7.31	9.96	7.69	10.39	7.87	10.88	7.78		
65	9.92	7.01	10.42	7.37	10.93	7.73	11.33	8.01		
75	10.15	7.31	10.80	7.77	11.28	8.11	11.81	8.50		
85	10.78	7.86	11.28	8.22	11.90	8.67	12.39	9.03		
95	11.02	7.73	11.53	8.08	12.16	8.53	12.60	8.84		
105	9.81	7.11	10.31	7.48	10.82	7.85	11.33	8.22		
110	8.67	6.76	9.17	7.15	9.72	7.58	10.07	7.86		
115	7.98	6.78	8.44	7.17	8.76	7.44	9.17	7.79		
122	7.14	6.35	7.43	6.61	7.79	6.94	8.16	7.26		

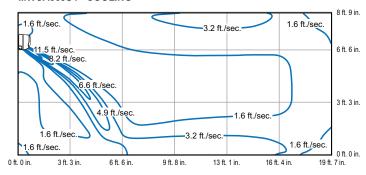
COOLING CAPACITY - 012 (208/230V)									
Outdoor	Indoor Temperature - °F (Dry Bulb / Wet Bulb)								
Temperature - °F	65°F	/ 54°F	70°F	/ 59°F	75°F	/ 63°F	80°F / 67°F		
(Dry Bulb)	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	
5	10.44	7.51	11.00	7.92	11.88	8.55	12.58	9.05	
15	10.86	7.92	11.46	8.35	12.31	8.97	13.17	9.59	
25	11.33	7.95	11.88	8.33	12.91	9.06	13.74	9.63	
35	11.95	8.67	12.45	9.03	13.52	9.81	14.31	10.37	
45	11.75	8.69	12.25	9.06	13.31	9.84	14.16	10.46	
55	11.36	8.26	11.84	8.61	13.01	9.46	13.77	10.01	
65	11.12	8.10	11.72	8.54	12.66	9.22	13.40	9.76	
75	10.74	7.54	11.33	7.95	12.18	8.54	13.03	9.13	
85	10.44	7.38	10.95	7.74	11.90	8.41	12.66	8.95	
95	10.13	7.91	10.63	8.29	11.61	9.06	12.29	9.59	
105	9.51	7.90	9.91	8.23	10.70	8.89	11.39	9.46	
110	8.71	7.40	9.08	7.72	9.92	8.43	10.49	8.92	
115	7.88	7.01	8.21	7.31	8.98	7.99	9.55	8.50	
122	7.06	6.42	7.35	6.69	8.03	7.31	8.50	7.74	

COOLING CAPACITY - 018 (208/230V)										
Outdoor		Indoor Temperature - °F (Dry Bulb / Wet Bulb)								
Temperature - °F (Dry 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		
5	18.18	13.18	19.25	13.95	20.21	14.64	21.27	15.41		
15	17.66	13.24	18.70	14.02	19.63	14.72	20.77	15.58		
25	17.49	12.49	18.83	13.45	19.66	14.05	20.69	14.79		
35	17.76	12.45	18.69	13.11	19.51	13.69	20.65	14.48		
45	17.19	12.51	18.09	13.17	19.10	13.90	20.10	14.63		
55	16.64	12.06	17.52	12.70	18.40	13.33	19.57	14.19		
65	16.09	11.57	17.23	12.39	18.00	12.94	19.04	13.69		
75	15.83	11.53	16.66	12.13	17.59	12.81	18.51	13.48		
85	15.29	11.29	16.10	11.89	16.99	12.56	17.98	13.29		
95	14.75	11.65	15.80	12.48	16.58	13.10	17.45	13.79		
105	14.00	11.34	14.74	11.94	15.48	12.53	16.38	13.26		
110	13.00	10.79	13.84	11.49	14.53	12.06	15.30	12.70		
115	11.76	10.59	12.53	11.27	13.09	11.78	13.92	12.53		
122	10.59	9.85	11.09	10.31	11.71	10.89	12.39	11.52		

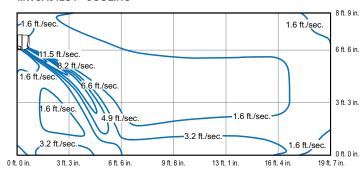
COOLING CAPACITY - 024 (208/230V)

Outdoor	Indoor Temperature - °F (Dry Bulb / Wet Bulb)									
Temperature - °F	65°F	65°F / 54°F		70°F / 59°F		75°F / 63°F		80°F / 67°F		
(Dry Bulb)	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh	Total mBtuh	Sensible mBtuh		
5	17.92	14.25	19.22	15.28	20.19	16.03	21.59	17.03		
15	17.95	14.49	19.47	15.72	20.34	16.34	21.75	17.41		
25	18.32	14.28	19.31	15.05	20.41	15.85	21.94	16.79		
35	18.39	14.32	19.61	15.27	20.72	16.14	22.16	16.99		
45	18.47	13.93	19.93	15.03	20.94	15.79	22.39	16.89		
55	18.87	13.69	20.22	14.67	21.02	15.25	22.60	16.40		
65	18.93	13.65	20.30	14.63	21.33	15.38	22.81	16.44		
75	18.99	15.11	20.60	16.39	21.53	17.12	23.02	18.31		
85	19.41	15.67	20.46	16.51	21.62	17.45	23.25	18.76		
95	19.47	15.17	20.76	16.17	21.93	17.09	23.46	18.28		
105	17.81	13.86	19.21	14.96	20.18	15.71	21.59	16.81		
110	16.47	13.40	17.65	14.37	18.44	14.93	19.72	15.83		
115	14.89	13.73	15.97	14.73	16.69	15.19	17.94	16.27		
122	13.17	12.63	14.29	13.70	14.93	14.31	15.97	15.31		

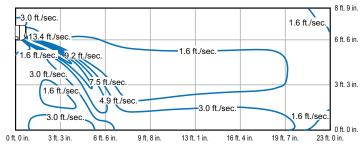
MWCA009S4 - COOLING



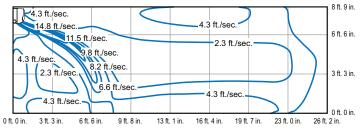
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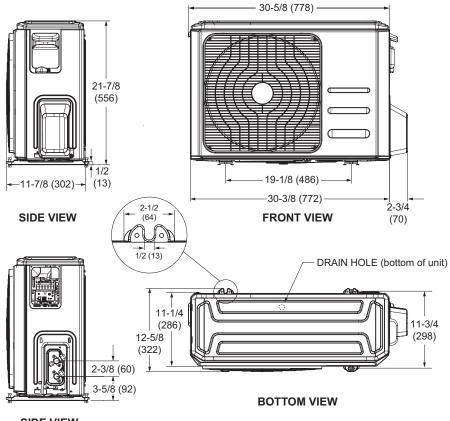
MWCA018S4 - COOLING



MWCA024S4 - COOLING

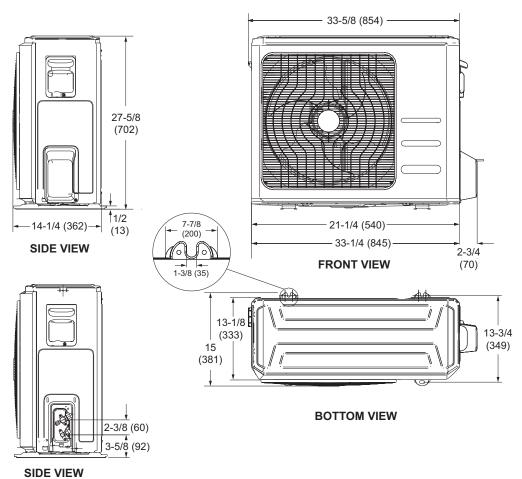


MCA009S4S, MCA012S4S, MCA018S4S



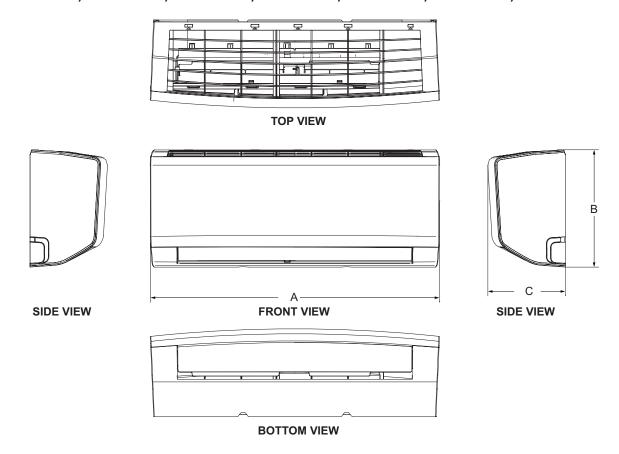
SIDE VIEW

MCA024S4S



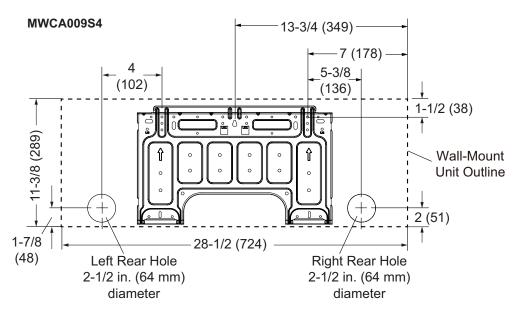
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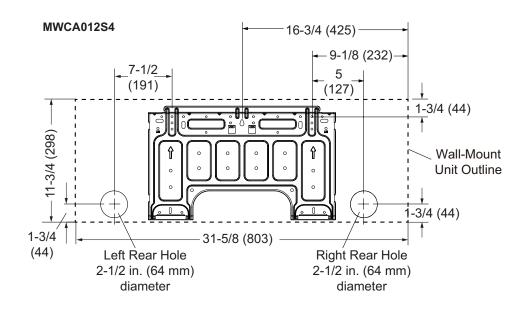
MWCA009S4, MWCA009S4, MWCA012S4, MWCA012S4, MWCA018S4, MWCA024S4, MWCA030S4

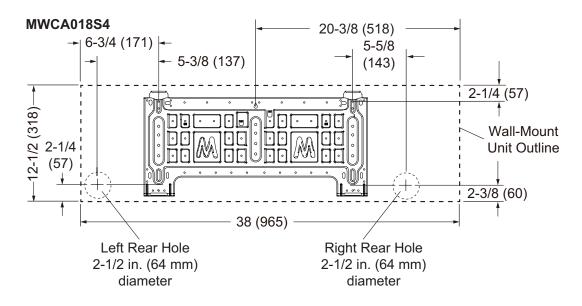


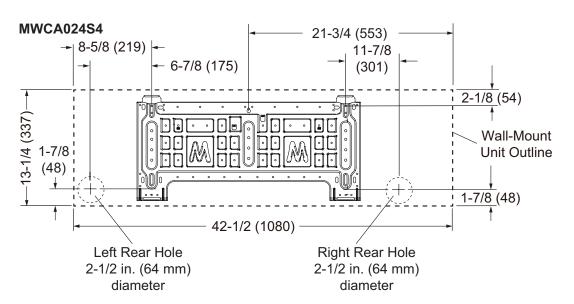
Size	A		E	3	С		
Size	in.	mm	in.	mm	in.	mm	
MWCA009	29-5/8	752	11-3/8	289	8-5/8	219	
MWCA012	32-3/4	832	11-3/4	298	8-3/4	222	
MWCA018	39-1/8	994	12-1/2	318	9-7/8	251	
MWCA024	44	1118	13-1/4	337	10-1/4	260	

DIMENSIONS - WALL-MOUNTED INDOOR UNITS - WALL PLATES

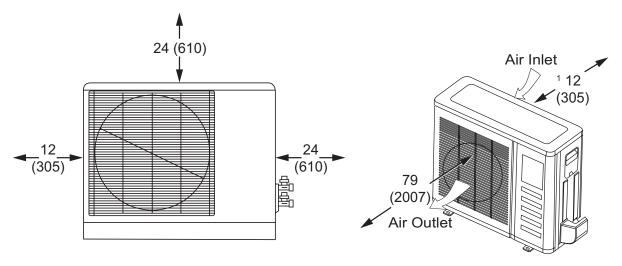




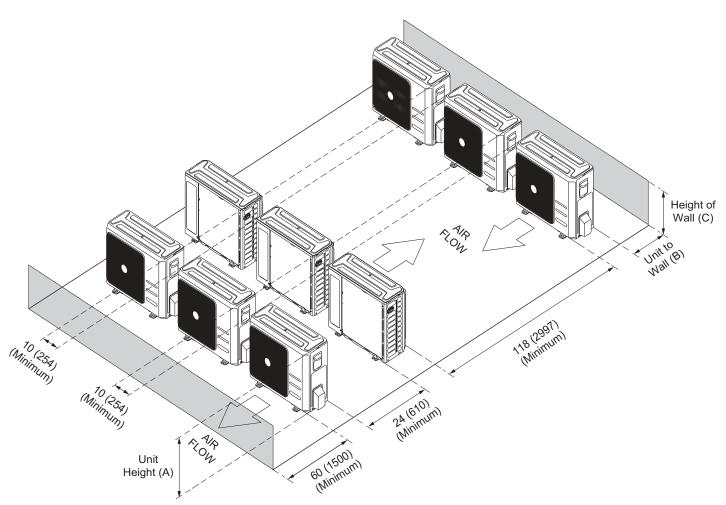




INSTALLATION CLEARANCES - OUTDOOR UNITS



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



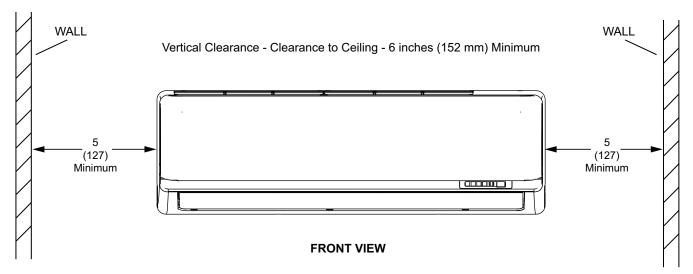
CLEARANCE NOTES FOR MULTIPLE UNITS:

If the height of the wall (C) is less than or equal to the height of the smallest unit (A), the distance from the unit to the wall (B) must be a minimum of 10 inches (254 mm).

If 1/2 the height of the unit (A) is less than the height of the wall (C), the distance from the unit to the wall (B) must be a minimum of 12 inches (305 mm).

If the height of the wall (C) is greater than the height of the unit (A), the distance from the unit to the wall (B) must be a minimum of 20 inches (508 mm).

INSTALLATION CLEARANCES - WALL-MOUNTED INDOOR UNITS

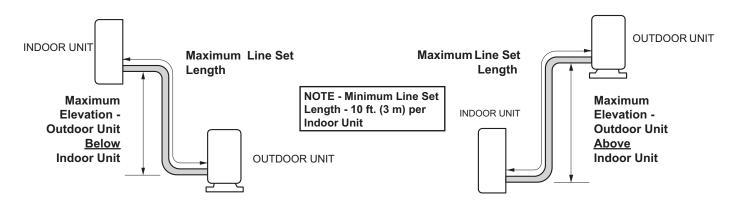


Vertical Clearance - Clearance to Floor - 72 inches (1829 mm) Minimum NOTE - Provide 96 inches (2438) clearance to floor for best performance

LINE SET AND ELEVATION GUIDELINES

Outdoor Unit BELOW Indoor Unit

Outdoor Unit ABOVE Indoor Unit



	Line Set Dia	meters (in.)	Maximum	Maximum	Maximum Line Set Length ft. (m)	
Size	Liquid	Gas	Elevation - Outdoor Unit Below Indoor Unit ft. (m)	Elevation - Outdoor Unit <u>Above</u> Indoor Unit ft. (m)		
009	1/4	3/8	33 ft. (10 m)	33 ft. (10 m)	82 ft. (25 m)	
012	1/4	1/2	33 ft. (10 m)	33 ft. (10 m)	82 ft. (25 m)	
018	1/4	1/2	66 ft. (20 m)	66 ft. (20 m)	98 ft. (30 m)	
024	3/8	5/8	66 ft. (20 m)	66 ft. (20 m)	98 ft. (30 m)	

REVISIONS	
Sections	Description of Change
Specifications	Maximum line length with furnished charge - ft. updated.









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