

**4MXX8509-24A-SUB-1A**

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**SUBMITTAL****Split System (R-410A)  
Floor and Ceiling Type  
Air Handler for  
Multi-Split Inverter System  
9,000 - 24,000 BTU/Hr****Model Specifications**

<b>MODEL - Floor and Ceiling Type</b>	<b>4MXX8509A10N0AA</b>	<b>4MXX8512A10N0AA</b>
RATED Volts/PH	208 / 230 / 1	208 / 230 / 1
Frequency (Hz)	60Hz	60Hz
Total Cooling Capacity (Btu/h)	8500	11900
Total Heating Capacity (Btu/h)	9500	13100
Air Flow Volume (CFM) (H/M/L)	383 / 324 / 265	383 / 324 / 265
Sound Power Level dB(A) (H/M/L)	50 / 47 / 43	50 / 47 / 43
Sound PRESSURE Level dB(A) (H/M/L) ①	40 / 37 / 33	40 / 37 / 33
Dehumidifying Volume (pint/h)	1.69	1.69
PCB Fuse Current (A)	PCB 3.15A Transformer 0.2A	PCB 3.15A Transformer 0.2A
Fan Quantity	4	4
Fan Type	Centrifugal	Centrifugal
Motor Full Load Amp (FLA)	0.28	0.28
Fan Motor Drive Type	Direct Drive	Direct Drive
Fan Motor Speed (RPM) (H/M/L)	690 / 610 / 480	690 / 610 / 480
Evaporator Face Area (ft <sup>2</sup> )	2.69	2.69
Evaporator Number of Rows	2	2
Evaporator Fin Type	Hydrophilic film-louver fin	Hydrophilic film-louver fin
Evaporator Fin Color - Blue/Not Blue	Blue	Blue
Air Filter Size (L x W/No.)	21.81 x 8.68 / 2	21.81 x 8.68 / 2
Gas Pipe (to indoor unit) (inch)	3/8	3/8
Liquid Pipe (inch)	1/4	1/4
Connection Method	Flare Connection	Flare Connection
Drain Connection (inner diameter)(inch)	1/2	1/2
Dimension (Uncrated) (W x D x H)	48.03 x 27.56 x 8.86	48.03 x 27.56 x 8.86
Dimension (Crated) (L x W x H)	52.76 x 32.28 x 11.81	52.76 x 32.28 x 11.81
Net Weight (lbs)	88.2	88.2
Gross Weight (lbs)	110.2	110.2

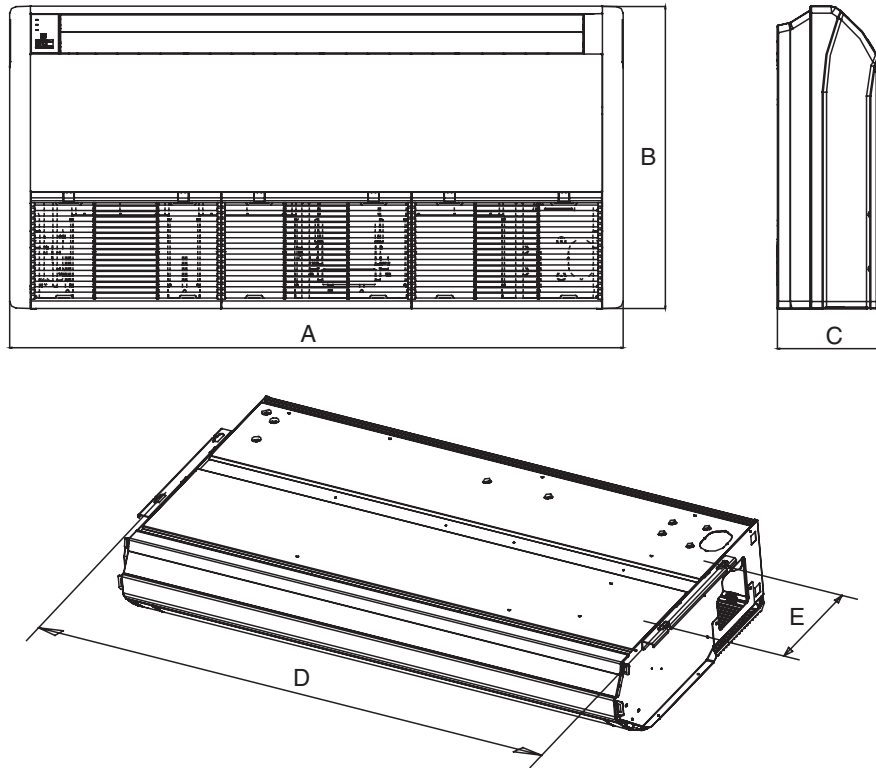
① Sound PRESSURE Level @ 3.3 ft. dB(A)

# Model Specifications cont.

MODEL - Floor and Ceiling Type	4MXX8518A10N0AA	4MXX8524A10N0AA
RATED Volts/PH	208 / 230 / 1	208 / 230 / 1
Frequency (Hz)	60Hz	60Hz
Total Cooling Capacity (Btu/h)	17000	22800
Total Heating Capacity (Btu/h)	18700	27400
Air Flow Volume (CFM) (H/M/L)	559 / 412 / 294	736 / 530 / 412
Sound Power Level dB(A) (H/M/L)	55 / 51 / 48	58 / 53 / 39
Sound PRESSURE Level dB(A) (H/M/L) ①	45 / 41 / 38	48 / 43 / 29
Dehumidifying Volume (pint/h)	3.80	5.28
PCB Fuse Current (A)	PCB 3.15A Transformer 0.2A	PCB 3.15A Transformer 0.2A
Fan Quantity	4	4
Fan Type	Centrifugal	Centrifugal
Motor Full Load Amp (FLA)	0.56	0.63
Fan Motor Drive Type	Direct Drive	Direct Drive
Fan Motor Speed (RPM) (H/M/L)	985 / 800 / 680	985 / 800 / 680
Evaporator Face Area (ft2)	3.01	3.01
Evaporator Number of Rows	3	3
Evaporator Fin Type	Hydrophilic film-louver fin	Hydrophilic film-louver fin
Evaporator Fin Color - Blue/Not Blue	Blue	Blue
Air Filter Size (L x W/No.)	21.81 x 8.68 / 2	21.81 x 8.68 / 2
Gas Pipe (to indoor unit) (inch)	1/2	5/8
Liquid Pipe (inch)	1/4	3/8
Connection Method	Flare Connection	Flare Connection
Drain Connection (inner diameter)(inch)	1/2	1/2
Dimension (Uncrated) (W x D x H)	48.03 x 27.56 x 8.86	48.03 x 27.56 x 8.86
Dimension (Crated) (L x W x H)	52.76 x 32.28 x 11.81	52.76 x 32.28 x 11.81
Net Weight (lbs)	88.2	99.2
Gross Weight (lbs)	110.2	119.0

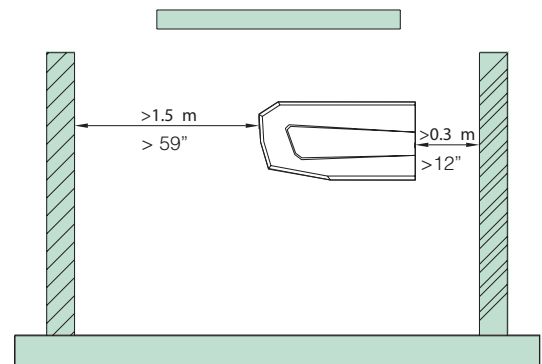
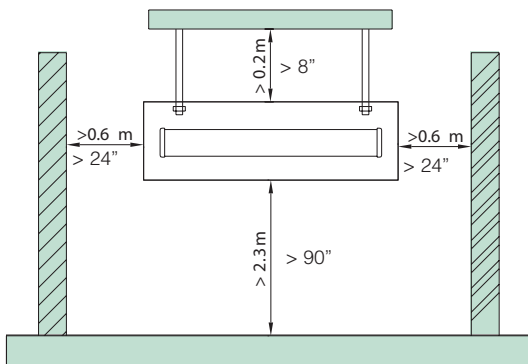
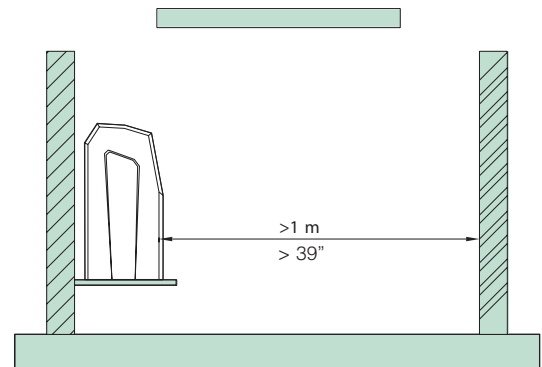
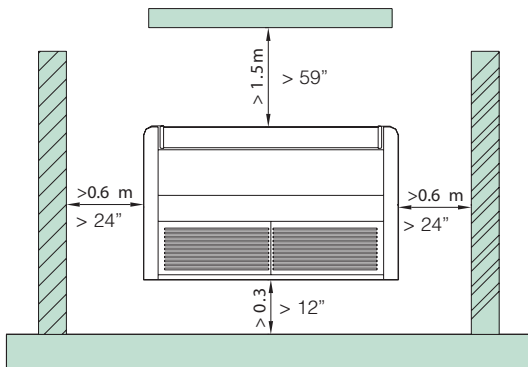
① Sound PRESSURE Level @ 3.3 ft. dB(A)

# Unit Dimensions



	Unit Dimensions - In. (mm)				
MODEL	A	B	C	D	E
4MXX8509A10N0AA	48.03" (1220mm)	27.56" (700mm)	8.86" (225mm)	45.6" (1158mm)	11.0" (280mm)
4MXX8512A10N0AA					
4MXX8518A10N0AA					
4MDX8524A10N0AA					

## Installation and Maintenance Clearances



# Mechanical Specifications

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## Floor and Ceiling Type Indoor Unit

### General

The Floor and Ceiling type air handler shall be completely factory assembled including coil, condensate drain pan, fan motor, washable filter, air purifying filter and electric controls to be used with a wireless remote controller. Unit shall be shipped with a unit mounting plate. Unit shall be matched with a Trane outdoor unit, rated and tested in accordance with AHRI standard. Unit shall be ETL listed.

### Unit Casing

Casing shall be provided with knockouts on the right, and left of the unit to facilitate piping and electrical connection on either side of the unit. An electrical service cover shall be provided to permit easy access to the electrical terminal strip.

### Discharge Airflow and Distribution System

Unit shall have auto swing, dual horizontal blades to optimize the aperture outlet for vertical airflow and air distribution.

Blade shall close automatically when the air conditioner is turned off to minimize dust entering the unit. Five-Step preset program on the remote controller shall be available to control the blade angle.

Manually adjusted wide-angle louvers shall be provided to adjust the coverage and direction of airflow.

### Controls

Units shall have the capability to be controlled with the supplied wired control unit. The optional wireless remote may be used to operate the wall mounted control.

### Remote Controller

The unit may have an optional wireless infrared remote controller with easy reading digital display panel to start, stop and regulate the supplied wired control from a distance.

The wireless controller is available for all units. **(Sold separately)**

### Washable Filtration

The unit shall have an easy clean, washable filter which allows for cleaning when needed. Clean filters provide optimum efficiency and fresh air into the room.

