

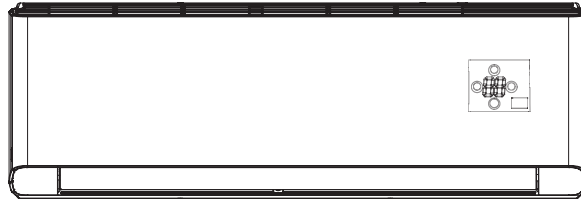


TRANE®

22-1948-1C-EN

Product Data

**Split System (R-410A)
High Wall Type Air Handler
23 Series, Multi-Split Inverter System**



Single Split
Heat Pump

Indoor Unit
4MXW23-A

It's Hard to Stop a Trane.

Split System (R-410A, 60Hz) up to 23 Series, Inverter System – 9,000 to 24,000 BTU/Hr

Whatever their specific heating and cooling needs, people trust Trane to provide reliable efficient solutions. Trane Ductless Systems allow you to create a comfortable indoor environment in spaces where adding ductwork might be impractical or too expensive, or not as efficient as a ductless option.

Retrofit a house that doesn't have a ducted system or where the central system is already at capacity. Bring efficient, economical comfort to new room additions. Provide spot heating and cooling that operates independently of the central system. Utilize ductless efficiency for new construction projects where ductless systems make more sense than a traditional ducted system.

Easy to install Trane Ductless Systems offer flexibility in design and provide efficiency and economy with two simple components - an outdoor unit and one or more stylish, low profile, indoor units. All built with Trane's legendary reliability and innovative thinking.

Introducing the New Trane Ductless Family



**4MXW23 High-Efficiency
Indoor Unit**

Quiet Design

Specially designed air vent efficiently reduces operation noise, as low as 29 dB.

Function/Fan Speed

High speed operation quickly reaches desired temperature. Four fan speeds maximize your comfort experience.

Sleep Mode Function

Temperature rises/falls automatically to maintain room comfort and save energy while you sleep.

Auto Clean/Triple Filtration

Fan runs when unit is stopped to reduce moisture and inhibit the development of bacteria, and the triple filtration further cleans the air that you breathe.

Anti-Cold Design

To prevent blowing cold air directly to the room, air is pre-heated during heating operation.

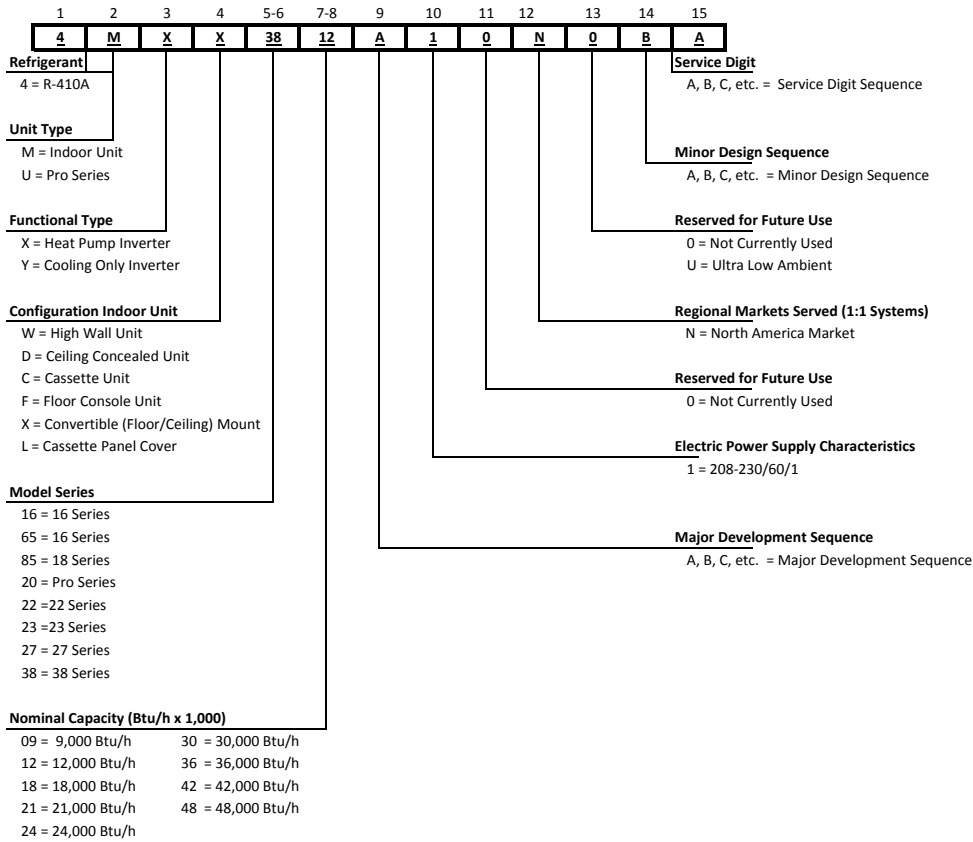
Timer

Operate the unit automatically only when you want by setting the timer.

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INDOOR UNIT MODEL NOMENCLATURE



Optional indoor unit accessories

Model Number	Description	4MXW23 Mini-split Indoor 23 Series
BAYFTHW02P2A	Active Carbon & Catechin filter for 23 Series units	✓
AREMOTE2AHANDAA	Wireless Controller	✓
TREWIRE1BHANDAA	Wired Controller	✓
AREPROG1AHANDAA	Programmable Controller	✓

Application Area/Air Throw for High Wall			
Model	Application Area	Cooling Mode	Heating Mode
4MXW2309	129-194 sf. (12-18 m ²)	29.5 (9)	23 (7)
4MXW2312	172-258 sf. (16-24 m ²)		
4MXW2318	248-366 sf. (23-34 m ²)	31.2 (9.5)	21.6 (6.5)
4MXW2324	291-452 sf. (27-42 m ²)		19.7 (6)
Unit: ft. (m)			

General Data – IP

Indoor Unit	4MXW2309A10N		4MXW2312A10N	
	Cooling	Heating	Cooling	Heating
RATED Volts/PH	208 / 230 / 1		208 / 230 / 1	
Frequency (Hz)	60Hz		60Hz	
Rated Cooling / Heating Capacity (Btu/h):	9000	11000	12000	13000
Air Flow Volume (CFM) (H//M/L/QUIET)	375/275/225/175		400/275/225/175	
Dehumidifying Volume (pt./h)	1.7		3.0	
Fan Motor Speed (r/min) (H//M/L/QUIET)	1350/1200/1050/750	1300/1150/1000/900	1400/1200/1050/800	1400/1200/1000/900
Fan Motor RLA(A)	0.09		0.09	
Evaporator	Aluminum Fin-Copper Tube		Aluminum Fin-Copper Tube	
Pipe Diameter (inch)	0.28		0.28	
Rows - Fin Gap (inch)	2 - 0.06		2.0 - 0.06	
Coil length (L) x depth (D) x coil width (W) (inch)	25 x 0.9 x 12.1		25 x 0.9 x 12.1	
Output of Swing Motor (W)	1.5		1.5	
Fuse (A)	3.15		3.15	
Sound PRESSURE Level dB (A)(H//M/L/QUIET) ①	43/39/35/29		45/39/35/29	
Uncrated Dimension (W/H/D) (inch)	33.3 x 11.4 x 8.2		33.3 x 11.4 x 8.2	
Crated Dimension of Package (L/W/H) (inch)	36.3 x 11.1 x 14.9		36.3 x 11.1 x 14.9	
Net Weight /Gross Weight (lbs)	22.1 / 26.5		22 / 26.5	

Connection Pipe

Gas additional charge(oz/ft)	0.22	0.22
Outer Diameter Liquid Pipe (inch)	1/4	1/4
Outer Diameter Gas Pipe (inch)	3/8	1/2

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

General Data – IP

Indoor Unit	4MXW2318A10N		4MXW2324A10N	
	Cooling	Heating	Cooling	Heating
RATED Volts/PH	208 / 230 / 1		208 / 230 / 1	
Frequency (Hz)	60Hz		60Hz	
Rated Cooling / Heating Capacity (Btu/h):	18000	19800	22000	23000
Air Flow Volume (CFM) (H//M/L/QUIET)	550/475/400/335		700/650/575/525	
Dehumidifying Volume (pt./h)	3.8		4.2	
Fan Motor Speed (r/min) (H//M/L/QUIET)	1400/1200/1050/800	1400/1200/1100/900	1300/1100/900/850	1300/1100/1000/900
Fan Motor RLA(A)	0.24		0.38	
Evaporator	Aluminum Fin-Copper Tube		Aluminum Fin-Copper Tube	
Pipe Diameter (inch)	0.28		0.28	
Rows - Fin Gap (inch)	2 - 0.06		2 - 0.06	
Coil length (L) x depth (D) x coil width (W) (inch)	28.1 x 1 x 12		33.25 x 1 x 13.5	
Output of Swing Motor (W)	2.5		2.5	
Fuse (A)	3.15		3.15	
Sound PRESSURE Level dB (A)(H//M/L/QUIET) ①	47/43/40/39		48/44/40/36	
Uncrated Dimension (W/H/D) (inch)	38.2 x 11.8 x 8.8		42.4 x 12.8 x 9.7	
Crated Dimension of Package (L/W/H) (inch)	41 x 15.1 x 12.6		45.2 x 16.3 x 13.8	
Net Weight /Gross Weight (lbs)	27.6 / 34.2		34.2 / 41.9	
Connection Pipe				
Gas additional charge(oz/ft)	0.2		0.5	
Outer Diameter Liquid Pipe (inch)	1/4		1/4	
Outer Diameter Gas Pipe (inch)	5/8		5/8	

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

General Data – SI

Indoor Unit	4MXW2309A10N		4MXW2312A10N	
	Cooling	Heating	Cooling	Heating
RATED Volts/PH	208 / 230 / 1		208 / 230 / 1	
Frequency (Hz)	60Hz		60Hz	
Rated Cooling / Heating Capacity (Btu/h):	9000	11000	12000	13000
Air Flow Volume (m ³ /h) (H//M/L/QUIET)	640/490/410/290		680/490/410/290	
Dehumidifying Volume (L/h)	0.80		1.4	
Fan Motor Speed (r/min) (H//M/L/QUIET)	1350/1200/1050/750	1300/1150/1000/900	1400/1200/1050/800	1400/1200/1000/900
Fan Motor RLA(A)	0.09		0.09	
Evaporator	Aluminum Fin-Copper Tube		Aluminum Fin-Copper Tube	
Pipe Diameter (mm)	φ 7		φ 7	
Rows - Fin Gap (mm)	2 - 1.4		2 - 1.4	
Coil length (L) x depth (D) x coil width (W) (mm)	635×22.8×306.3		635×22.8×306.3	
Output of Swing Motor (W)	1.5		1.5	
Fuse (A)	3.15		3.15	
Sound PRESSURE Level dB (A)(H//M/L/QUIET) ①	43/39/35/29		45/39/35/29	
Uncrated Dimension (W/H/D) (mm)	845×289×209		845×289×209	
Crated Dimension of Package (L/W/H) (mm)	921×281×379		921×281×379	
Net Weight /Gross Weight (kg)	10 / 12		10 / 12	
Connection Pipe				
Gas additional charge(g/m)	20		20	
Outer Diameter Liquid Pipe (mm)	φ 6		φ 6	
Outer Diameter Gas Pipe (mm)	φ 9.5		φ 12	

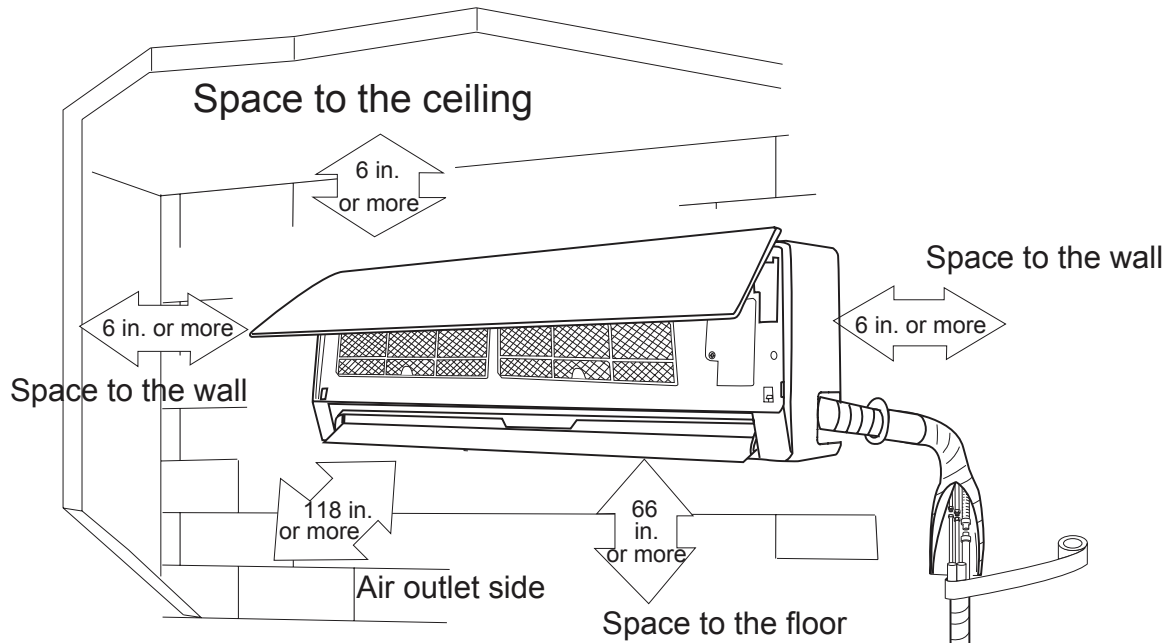
① Sound PRESSURE Level @ 1m dB(A)

General Data – SI

MODEL – Heat Pump Only	4MXW2318A10N		4MXW2324A10N	
	Cooling	Heating	Cooling	Heating
RATED Volts/PH	208 / 230 / 1		208 / 230 / 1	
Frequency (Hz)	60Hz		60Hz	
Rated Cooling / Heating Capacity (Btu/h):	18000	19800	22000	23000
Air Flow Volume (m ³ /h) (H//M/L/QUIET)	950/830/700/570		1200/1100/ /1000/ /900	
Dehumidifying Volume (L/h)	1.8		2.0	
Fan Motor Speed (r/min) (H//M/L/QUIET)	1400/1200/1050/800	1400/1200/1100/900	1300/1100/900/850	1300/1100/1000/900
Fan Motor RLA(A)	0.24		0.38	
Evaporator	Aluminum Fin-Copper Tube		Aluminum Fin-Copper Tube	
Pipe Diameter (mm)	φ 7		φ 7	
Rows - Fin Gap (mm)	2 - 1.4		2 - 1.5	
Coil length (L) x depth (D) x coil width (W) (mm)	715×25.4×304.8		845×25.4×342.9	
Output of Swing Motor (W)	2.5		2.5	
Fuse (A)	3.15		3.15	
Sound PRESSURE Level dB (A)(H//M/L/QUIET) ①	47/43/40/39		48/44/40/36	
Uncrated Dimension (W/H/D) (mm)	970×300×224		1078×325×246	
Crated Dimension of Package (L/W/H) (mm)	1041×383×320		1148×413×350	
Net Weight /Gross Weight (kg)	12.5 / 15.5		15.5 / 19	
Connection Pipe				
Gas additional charge(g/m)	15		50	
Outer Diameter Liquid Pipe (mm)	φ 6		φ 6	
Outer Diameter Gas Pipe (mm)	φ 16		φ 16	

① Sound PRESSURE Level @ 1m dB(A)

Clearance Requirements



The dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures

Refrigeration piping and high voltage wiring, including communication and ground wiring to the multi-split outdoor unit.

Note: Refrigeration piping size, length and additional charge is discussed in the Installer's Guide associated with the outdoor unit.

NOTE:

The maximum recommended height from the floor to the bottom of the indoor unit is 11.5 ft (3.5m).

Mechanical Specifications

Single Zone Indoor High Wall

General

The High Wall mounted 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 remotely.

Remote Controller

The unit shall have an optional wireless infrared remote controller with an easily readable digital display panel to start, stop and regulate the air conditioner from a distance.

The wireless and wired controllers are available for all units. **(Sold separately)**

Healthy Filters

The unit shall have one combined active carbon and catechin filter with the unit. The filter needs to be cleaned at least once a year.



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