



## DAIKIN MXS SERIES MULTI-ZONE HEATING & COOLING SYSTEMS

1.5-4 TON, 2-5 ZONE SYSTEMS  
UP to 20.6 SEER2 / Up to 9.7 HSPF2 / 11.8 EER2  
INVERTER (VARIABLE-SPEED) COMPRESSOR  
RESIDENTIAL AND LIGHT  
COMMERCIAL APPLICATIONS

**Today, the air is perfect.** Perfect temperature. Perfect humidity. Perfectly clean and fresh, like just after a rainstorm. And the only thing more perfect than this outdoor scenario is that it's all happening inside. Because that's where we work. That's where we play, where we sleep, where we truly live.

And that's why at Daikin, we aim to make the air inside as refreshing as the outside. Better comfort. Better control and efficiency. Better quality. So you can create your own unique ecosystem. And everyday is perfect. **Inside and out.**

## DAIKIN MXS SERIES MULTI-ZONE HEATING & COOLING SYSTEMS



### *Perfecting The Air We Share*

A better understanding of how people inhabit their living spaces has led to products designed to create indoor environments that help use energy resources more effectively. Heat pumps extract or reject heat from the outside air, even in cold weather. They use an electrically powered compressor and are extremely effective at

heating and cooling an apartment or a house. Daikin heat pumps are quiet and discreet, and use state-of-the-art technology to keep your energy bills low. With a Daikin heat pump, a large portion of the energy used to heat or cool your home comes from the outside air, a free and infinitely renewable resource.




## Comfort

We offer a wide range of products, and always provide you with the ideal solution, whether for an apartment, condo or a house. Our units are whisper quiet and, with their specially designed airflow pattern, they create your ideal indoor climate.

Daikin units are designed to include features that let you create your own unique ecosystem. From the wide angle louver design to the auto-swing and comfortable mode controller settings, effective heating and cooling is ensured throughout the space.

## Smart inverter technology

 Integrated with an inverter (variable-speed) compressor, Daikin systems deliver the capacity required to maintain desired room conditions, typically reducing energy consumption by up to 30% or more (compared to traditional fixed-speed ducted systems). This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort.

## Energy efficiency

Our products are designed to be highly efficient all year round, and their low energy consumption is reflected in low energy bills for you.

## Control\*\*

Our expertise makes life easier for you, allowing you to control your system via a smartphone app or a user-friendly remote control.

## Reliability

Daikin products are renowned for their reliability. And you can rely on service to match, with industry leading warranties.\*



\* Complete warranty details available from your local dealer/contractor or at [www.daikincomfort.com](http://www.daikincomfort.com). To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. The duration of warranty coverages in Texas differs in some cases.

\*\* Adaptor required

# MXS Series Multi-Zone Heating and Cooling Systems

## Multi-Zone systems provide high efficiency and comfort

Daikin's Multi-Zone Systems are ideal for multi-room applications desiring individual room comfort in a space-saving design. With the ability to connect two, three, four, or five indoor units to a single outdoor unit, over 1,000 combinations are possible with the choice of wall mount units, ducted units, ceiling cassette units, floor mounts or a combination. Suitable for both new build and renovation projects, Daikin Multi-Split Systems are the smart, reliable solution for your home

### Premium Comfort Features:

- » **Energy Efficient** – Up to 20.6 SEER2 / Up to 9.7 HSPF2 / 11.8 EER2 – Inverter (Variable-Speed) Compressor

### Ideal Solution for:


- » Entire homes or floors of homes
- » Multiple zones
- » New construction
- » Primary living areas (master bedrooms and living rooms)


### Outdoor Unit Features:

 **Anti-Corrosion Treatment on Heat Exchanger**

 **Quick Warming Function** – Preheats the compressor to shorten the time required to discharge warm air.

 **Automatic Defrosting** – Sensor performs automatic defrosting of the outdoor heat exchanger if necessary, ensuring optimum heating performance.

 **Outdoor Unit Quiet Operation** – Outdoor unit sound levels can be reduced by 3dB for times when quieter operation is needed.

 **Intelligent Defrost Mode\*** – The outdoor unit will enable this mode to help prevent frost/ice from building up in cold climate conditions. It will also help with longer heating operation time for additional comfort for occupants (compared to HVAC systems without this function).

\*Available on 5MXS only



5MXS drain pan shown

### Optimized drain pan:

- » Outdoor unit drain pans have up to 14 holes which allows for effective drainage of condensation. In some cases, this drain pan design eliminates the need for drain pan heaters, resulting in higher efficiencies in low ambient temperatures.



## Compatible Indoor Units:



### EMURA – Designed to perfectly balance technological capability and the beauty of aerodynamics

- » Iconic award winning design and engineering excellence
- » Elegant finish in pure matte white or modern silver
- » Two-area intelligent eye sensor controls comfort and allows for energy savings during unoccupied periods
- » Titanium apatite photo-catalytic air purification



### VISTA – Unique design that integrates seamlessly into the ceiling

- » Iconic award winning design and engineering excellence
- » Elegant finish in white or silver / white combination
- » DC fan motor and two optional intelligence sensors for energy efficiency
- » Outside air integration possible of up to 2-3% of the nominal indoor air volume



### FTXS – Discreet wall mounted unit providing high efficiency and comfort

- » Discreet, stylish front panel blends easily with the wall, and matches all interior decors
- » Dry program allows humidity levels to be reduced without variations in room temperature
- » Intelligent Eye function reduces heating or cooling operation during unoccupied periods



### FVXS – Floor mounted unit for optimal heating comfort thanks to dual airflow

- » Its low height enables the unit to fit perfectly beneath a window
- » Can be installed against a wall or recessed
- » Vertical auto swing moves the louver up and down for efficient air and temperature distribution



### FDMQ – Ducted Concealed Indoor Unit capable of up to .6 esp

- » Higher external static pressure capabilities allow for longer duct runs and easily implementing up to MERV 13 filters (compared to units with lower static pressure)
- » Drain pan inspection port makes it easy to observe drain pan conditions
- » Rear or bottom return air configurations for installation flexibility
- » Outside air integration possible

## Knowledge is power

The new minimum efficiency standards are based upon new metrics (SEER2/EER2/HSPF2) derived from a new test procedure (M1) rather than the historical metrics (SEER/EER/HSPF) from the old test procedure (M).

Testing procedures and requirements for developing efficiency ratings will now be more stringent with the new 2023 DOE regulations. The current M testing procedure is being replaced by the M1 testing procedure for 2023 compliance.

## Why is COP important?

The COP of a heat pump is the ratio of:  $COP = \frac{\text{energy out}}{\text{energy in}}$

When the COP is >1, the result is a system providing more heating energy than energy consumed. As the COP2 increases, the higher the efficiency — resulting in lower utility costs.

Up to

|                             |                            |
|-----------------------------|----------------------------|
| <b>20.6</b><br><b>SEER2</b> | <b>11.8</b><br><b>EER2</b> |
| <b>9.7</b><br><b>HSPF2</b>  | <b>4.6</b><br><b>COP2</b>  |

(Coefficient of Performance)

Multi-Zone Heat Pump  
Efficiency ratings





## You're always in control.

### Individual comfort and control

Daikin systems have an available infrared remote controller allowing you to access all functions at the click of a button.

### From anywhere in the world. Or your living room.

It can happen to anyone. You forgot to change the temperature of your heat pump system or air conditioner before leaving the house, or you will be delayed returning home and wish to avoid needlessly heating or cooling your home. What in the past would have resulted in wasted energy is no longer a problem. With the DKN App, you are always in control. You can use your tablet or smart-phone to access your Daikin system via the internet\*.



\*Requires purchase and installation of AZAI6WSCDKA or AZAI6WSCDKB adaptors depending on the indoor unit.

### Daikin Madoka Remote Controller



Daikin is pleased to introduce the *Madoka* remote controller for the North American FDMQ and FFQ indoor units (P1P2) indoor units. The *Madoka* features a sleek and stylish design with an intuitive interface including touch button control. It retains advanced

functions for indoor unit control. It can be commissioned and managed with ease through a Bluetooth® configuration app or via the onboard menus. The *Madoka* provides 3 configurable display modes: Text (default), Icon, and Scale to help meet project and occupant needs. Learn more at [www.daikinac.com](http://www.daikinac.com).



**Madoka Quick Set App**  
Available for download on  
iOS and Android devices.



### Daikin Adaptive Touch Controller



The Daikin *Adaptive Touch Controller* (ATC) is used to control FDMQ and FFQ indoor units (P1P2) with advanced and configurable control logic. The *ATC* comes in 4 different models with a built-in temperature sensor, humidity sensor, CO<sub>2</sub> sensor, and occupancy sensor. The

*ATC* will also provide analog input, analog output, digital input, and digital output terminals to monitor auxiliary sensors and control auxiliary equipment. The built-in sensors can be combined with advanced logic to create actionable tasks based upon the sensor values. The *ATC* controller can be integrated with a compatible building management system (BMS) using *BACnet™* MS/TP.

### Daikin DKN Plus Interface



The new Daikin DKN Plus Interface (AZAI6WSPDKC) enables the energy-efficient control of Daikin air conditioners by a third-party thermostat or an automation system. With this interface, third-

party devices or systems can control the Single-Zone and Multi-Zone indoor units through the DKN NA App, Cloud API, Modbus®, BACnet™ MS/TP, or thermostat relay contacts. This interface can be commissioned easily through the DKN Cloud NA app via Bluetooth® Low Energy (BLE). Learn more at [www.daikinac.com](http://www.daikinac.com).

### Daikin One+ Smart Thermostat



The Daikin *One+* smart thermostat is now available for single and multi-zone indoor unit models. With the new translation adaptor, connecting the Daikin *One+* smart thermostat provides several

user features including remote monitoring, control and geofencing using the Daikin *One* home app, *Google*, and *Amazon* voice assistants. Learn more at [www.daikinone.com](http://www.daikinone.com).

\*\* Note that the handheld remote that comes with some indoor units should not be used together with the Daikin *One+* smart thermostat.

# SPECIFICATIONS

| Outdoor Units | 2-Port (2MXS18WMVJU9)               |           | 3-Port (3MXS24WMVJU9)                |           | 4-Port (4MXS35WMVJU9)             |           | 5-Port (5MXS48WMVJU9)                |           |
|---------------|-------------------------------------|-----------|--------------------------------------|-----------|-----------------------------------|-----------|--------------------------------------|-----------|
|               | Efficiency                          | AHRI#     | Efficiency                           | AHRI#     | Efficiency                        | AHRI#     | Efficiency                           | AHRI#     |
| Non-Ducted    | 16.0 SEER2 / 8.7 HSPF2 / 11.8 EER2  | 210722659 | 18.0 SEER2 / 9.7 HSPF2 / 11.7 EER2   | 210722661 | 18.1 SEER2 / 9.4 HSPF2 / 9.2 EER2 | 210722662 | 20.6 SEER2 / 9.3 HSPF2 / 10.5 EER2   | 210722663 |
| Ducted        | 14.3 SEER2 / 7.7 HSPF2 / 8.8 EER2   | 210725095 | 14.9 SEER2 / 7.8 HSPF2 / 8.5 EER2    | 210725097 | 14.9 SEER2 / 7.8 HSPF2 / 8.0 EER2 | 210725098 | 14.5 SEER2 / 7.8 HSPF2 / 8.2 EER2    | 210725099 |
| Mixed         | 15.15 SEER2 / 8.2 HSPF2 / 10.3 EER2 | 210800984 | 16.45 SEER2 / 8.75 HSPF2 / 10.1 EER2 | 210800985 | 16.5 SEER2 / 8.6 HSPF2 / 8.6 EER2 | 210800986 | 17.55 SEER2 / 8.55 HSPF2 / 8.55 EER2 | 210800987 |

| Indoor Units / Dimensions (HxWxD) | Unit Class   |  |                |  |  |             |
|-----------------------------------|--|--|----------------|--|--|-------------|
|                                   | 07   | 09   | 12             | 15   | 18   | 24          |
| EMURA (Wall Mount)                |  | FTXR09WVJUW/S9   | FTXR12WVJUW/S9 |  | FTXR18WVJUW/S9   |             |
|                                   |  | 11 <sup>15</sup> / <sub>16</sub> x 39 <sup>5</sup> / <sub>16</sub> x 8 <sup>3</sup> / <sub>8</sub> |                |  | 11 <sup>15</sup> / <sub>16</sub> x 39 <sup>5</sup> / <sub>16</sub> x 8 <sup>3</sup> / <sub>8</sub> |             |
| VISTA (Ceiling Cassette)          |  | FFQ09W2VJU9  | FFQ12W2VJU9    | FFQ15W2VJU9  | FFQ18W2VJU9  |             |
|                                   |  | 10 <sup>1</sup> / <sub>4</sub> x 22 <sup>5</sup> / <sub>8</sub> x 22 <sup>5</sup> / <sub>8</sub>   |                |  |  |             |
| FTXS Wall Mount                   | CTXS07WVJU9  | FTXS09WVJU9  | FTXS12WVJU9    | FTXS12WVJU9  | FTXS18WVJU9  | FTXS24WVJU9 |
|                                   | 11 <sup>5</sup> / <sub>8</sub> x 31 <sup>1</sup> / <sub>2</sub> x 8 <sup>7</sup> / <sub>16</sub> |  |                | 13 <sup>3</sup> / <sub>8</sub> x 41 <sup>5</sup> / <sub>16</sub> x 9 <sup>3</sup> / <sub>4</sub> |  |             |
| FVXS Floor/Low Wall Mount         |  | FVSX09WVJU9  | FVSX12WVJU9    | FVSX15WVJU9  | FVSX18WVJU9  |             |
|                                   |  | 23 <sup>5</sup> / <sub>8</sub> x 27 <sup>9</sup> / <sub>16</sub> x 8 <sup>1</sup> / <sub>4</sub>   |                |  |  |             |
| FDMQ Ducted Concealed             | CDMQ07WVJU9  | FDMQ09WVJU9  | FDMQ12WVJU9    | FDMQ15WVJU9  | FDMQ18WVJU9  | FDMQ24WVJU9 |
|                                   | 9 <sup>5</sup> / <sub>8</sub> x 27 <sup>9</sup> / <sub>16</sub> x 31 <sup>1</sup> / <sub>2</sub> |  |                | 9 <sup>5</sup> / <sub>8</sub> x 39 <sup>5</sup> / <sub>16</sub> x 31 <sup>1</sup> / <sub>2</sub> |  |             |



## About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company and is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. Founded in 1924, Daikin is approaching 100 years of HVAC worldwide leadership. DIL is primarily engaged in developing indoor comfort systems and refrigeration products for residential, commercial, and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient, and premium quality indoor climate and comfort management solutions.

## Daikin *SplitXpress* Selection Tool

The new interactive *SplitXpress* mobile app and website provide a complete product selection tool to streamline system selection for single and multi-zone projects. Users can create equipment selections and add accessories / pricing details to quickly share quotes with customers. Available for free on the *App Store* (iOS) and *Google Play* (Android), and at <https://splitxpress.daikincity.com>.



### WARNINGS:

- » Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- » For any inquiries, contact your local Daikin sales office.

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### ADDITIONAL INFORMATION

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.



Our continuing commitment to quality products may mean a change in specifications without notice.

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