



# DAIKIN FDMQ HEATING & COOLING SINGLE-ZONE SYSTEMS

DUCTED-CONCEALED INDOOR UNITS  
Up to 20.2 SEER / Up to 10.6 HSPF / Up to 12.7 EER  
VARIABLE-SPEED, INVERTER, COMPRESSOR



**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.**

## Single-Zone Ducted-Concealed Indoor Units VARIABLE-SPEED, INVERTER, COMPRESSOR



### **AIR INTELLIGENCE** built inside

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 a variable-speed inverter 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<sup>\*\*</sup> 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.

\*\*Adaptor required

# Daikin FDMQ Ducted Concealed Single-Zone Heat Pump Systems

## Concealed Comfort and Enhanced Flexibility

The FDMQ ducted concealed indoor unit expands on the current offering of single-zone ducted systems by providing external static pressure capabilities of up to .6. This allows for longer duct runs and easy implementation of high MERV filters (compared to units with lower static pressure). The FDMQ unit can be converted from rear return-air configurations to a bottom return for installation flexibility. This completely concealed unit delivers heating and cooling comfort to a wide range of applications.

### Features:

- » Energy efficient – Up to 20.2 SEER, up to 10.6 HSPF, up to 12.7 EER
- » Available in .75 to 2 Tons
- » Capable of providing external static pressures up to .6 in. Wg on all models
- » Integral lift mechanism with 29-9/16" of lift
- » Drain pan inspection port makes it easy to observe drain pan conditions
- » No optional adapter needed for DIII-connection, link your unit into the wider building management system
- » 12-Year Parts Limited Warranty\*
- » Outside air integration possible
- » Optional MERV 13 Filter box to help improve IAQ

### Ideal Solution for:

- » Renovations, remodeling and new construction
- » Sunrooms, basements, garages, hot or cold rooms, attics where the walls tend to be lower, or wherever wall space is at a premium
- » Ceiling void or attics which allow for a ducted solution with longer duct runs
- » Homeowners' requiring higher level of filtration
- » Homeowners' reluctance to use a visible wall or a floor mounted unit



\* Complete warranty details available from your local dealer 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. If product installed in a commercial application, limited warranty period is 5 years.

# FDMQ DUCTED CONCEALED SINGLE-ZONE FEATURES OVERVIEW

## Outdoor Unit Features:



**Anti-Corrosion Treatment on Heat Exchanger** – The special anti-corrosion coating on the outdoor unit heat exchanger provides resistance to salt damage and atmospheric corrosion.



**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.

## Standard Features:



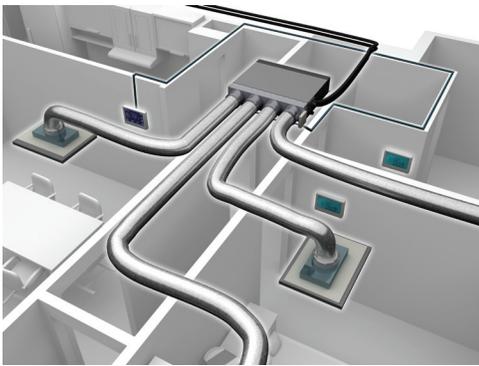
**Hot Start** – (Heat Pump) When the heating operation starts or when the unit changes from cooling to heating, there is no cold draft released into the room.



**Program Dry Function** – This gives priority to reducing the level of humidity in the room rather than room temperature.



**Auto-Restart** – The unit memorizes the operation mode, airflow and temperature settings. Should there be a power failure when the unit is in operation, it will automatically return to the same operating conditions when the power is restored.



- » Increases the flexibility of the FDMQ systems in both residential and commercial applications by adding a Zoning Box to an indoor unit fan coil.
- » Allows several separate ducts to supply air to different individually-controlled zones.
- » The DZK BACnet™ Interface will work with any BACnet/IP compatible Building Management System.



Wired\*  
Thermostat



Wireless\*  
Thermostat  
\*for DZK Kit



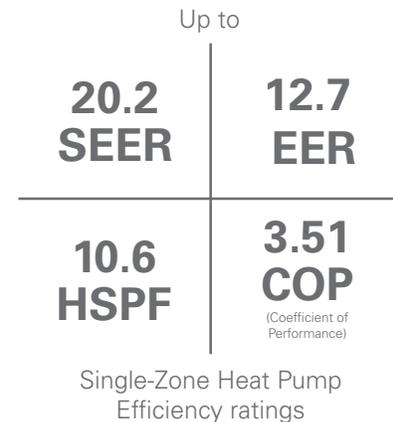
Wireless Lite\*  
Thermostat

## Knowledge is power.

In general, system performance is measured by a higher Seasonal Energy Efficiency Ratio (SEER) and Energy Efficiency Ratio (EER). Higher ratings mean lower operating costs. Similarly, a higher rated Heating Seasonal Performance Factor (HSPF) and Coefficient of Performance (COP) means a more efficient air-source heat pump.

## Why is it 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 COP increases, the higher the efficiency — resulting in lower utility costs.





## 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 AZAI6WSCDKA Wi-Fi adaptor.



### NEW! Daikin Madoka Remote Controller



Daikin is pleased to introduce the *Madoka* remote controller for the North American FDMQ 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.



### COMING SOON! Daikin Adaptive Touch Controller



The Daikin *Adaptive Touch Controller* (ATC) is used to control the FDMQ 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.

### NEW! 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).

### NEW! 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 optional handheld remote should not be used together with the Daikin *One+* smart thermostat.

# SPECIFICATIONS

Unit Class	Indoor Unit Model # / Dimensions (HxWxD)	Outdoor Unit Model # / Dimensions (HxWxD)	Efficiency Rating	Lowest Sound Level (dB(A))		Weight (lbs)		AHRI #	ENERGY STAR® Certified**
				Indoor*	Outdoor	Indoor	Outdoor		
09	FDMQ09RVJU	RX09RMVJU9	17.8 SEER / 11.1 EER / 10.3 HSPF	32	46	64	60	202682020	No
	9-5/8 x 27-9/16 x 31-1/2	21-5/8 x 26-9/16 x 11-3/16							
12	FDMQ12RVJU	RX12RMVJU9	19.4 SEER / 11.6 EER / 10.6 HSPF	33	49	64	60	202682021	No
	9-5/8 x 27-9/16 x 31-1/2	21-5/8 x 26-9/16 x 11-3/16							
15	FDMQ15RVJU	RX15RMVJUA	20.2 SEER / 12.7 EER / 10.3 HSPF	34	50	77	97	205776148	
	9-5/8 x 39-3/8 x 31-1/2	28-15/16 x 34-1/4 x 12-5/8							
18	FDMQ18RVJU	RX18RMVJU9A	18.5 SEER / 12.5 EER / 10.3 HSPF	35	54	82	97	205776150	
	9-5/8 x 39-3/8 x 31-1/2	28-15/16 x 34-1/4 x 12-5/8							
24	FDMQ24RVJU	RX24RMVJUA	18.6 SEER / 12.5 EER / 10 HSPF	40	56	82	108	205776151	
	9-5/8 x 39-3/8 x 31-1/2	28-15/16 x 34-1/4 x 12-5/8							

\* On L fan speed



\*\* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR®** criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).



## About Daikin:



Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 95th anniversary in May 2019. The company is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. 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.

## NEW! 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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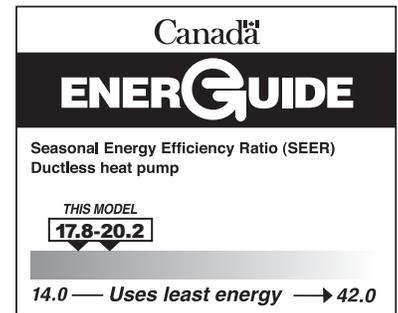
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## ADDITIONAL INFORMATION

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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