

DAIKIN AURORA SINGLE-ZONE INVERTER HEAT PUMP SYSTEMS

FDMQ DUCTED CONCEALED UNITS
Up to 19.4 SEER / Up to 10.8 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.**

Daikin *AURORA* Single-Zone FDMQ Ducted Concealed Heat Pump
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** 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. 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 *AURORA* Single-Zone Inverter Heat Pump Systems

Designed for living: Solutions for hot and cold climates.

Living in colder climates doesn't mean a heat pump isn't a viable option to heat each space in your home or business, nor does living in warmer climates preclude the use of a heat pump as a viable option for cooling. The outdoor units of this Daikin *AURORA* heat pump system have been redesigned to withstand extreme weather conditions, even when it is down to -13°F WB (-25°C WB) or up to 115°F DB (46°C DB) for year round comfort.

Premium comfort features:

- » **Energy Efficient** – Up to 19.4 SEER / Up to 10.8 HSPF / Up to 12.7 EER for ultra-efficient cooling and heating operation and reduced operating costs compared to conventional lower-efficiency systems.
- » **Enhanced Capacity** – Up to 100% rated heating capacity at 5°F WB (-15°C WB) and confirmed continuous operation as low as -13°F WB (-25°C WB) ambient temperature.
- » Up to 95% rated cooling capacity at 104°F DB (46°C DB)

Ideal solution for:

- » Renovations, remodeling and new construction
- » Sun rooms, 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

Outdoor unit features:



Anti-Corrosion Treatment on Heat Exchanger



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.



Outdoor Unit Quiet Operation



DAIKIN AURORA FDMO DUCTED CONCEALED UNITS
 Up to 19.4 SEER / Up to 10.8 HSPF / Up to 12.7 EER
 VARIABLE-SPEED, INVERTER, COMPRESSOR

Concealed Comfort and Enhanced Flexibility.

Daikin FDMO ducted concealed units deliver heating and cooling comfort for the entire home, without distracting from the décor. Easily incorporate longer duct runs and high MERV filters with available external static pressures of up to 0.6.

Indoor unit features:



Quick Warming Function. Prevents the compressor from pumping liquid refrigerant in low-ambient conditions. (Heat pumps only)



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



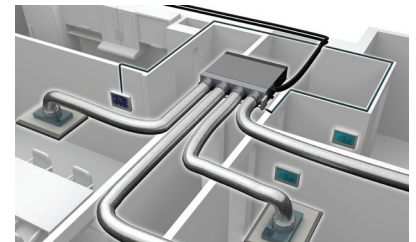
Outside air integration possible.



Optional MERV 13 Filter Kit available.



- » Increases the flexibility of the AURORA 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



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.

Up to	
19.4 SEER	12.7 EER
10.8 HSPF	3.8 COP
<small>(Coefficient of Performance)</small>	

Daikin AURORA Single-Zone Heat Pump Efficiency Ratings

COP	Oil 85	Natural Gas .95	Electricity 1.00	AURORA 3.8 <small>(Ducted Concealed Unit)</small>



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.



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 FDMQ indoor units with advanced and configurable control logic. The *ATC* comes in 4 different models with a built-in temperature sensor, humidity sensor, CO₂ 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*.

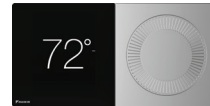
NEW! Daikin DKN Plus Interface



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 Cloud NA App via Wi-Fi, 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.

NEW! Daikin *One+* Smart Thermostat



The Daikin *One+* 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.

**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	Sound Level (dB(A))		Weight (lbs)		AHRI #
				Indoor	Outdoor	Indoor	Outdoor	
12	FDMQ12RVJU	RXL12QMVJU9	18 SEER / 11.7 EER / 10.8 HSPF	33	50	64	70	204717990
	9-5/8 x 27-7/16 x 31-1/2	21-5/8 x 26-7/16 x 11-3/16						
18	FDMQ18RVJU	RXL18UMVJUA	19.4 SEER / 12.7 EER / 10.3 HSPF	35	54	82	130	205663343
	9-5/8 x 39-3/8 x 31-1/2	28-15/16 x 34-1/4 x 12-5/8						
24	FDMQ24RVJU	RXL24UMVJUA	18.6 SEER / 12.5 EER / 10 HSPF	40	55	82	130	205663345
	9-5/8 x 39-3/8 x 31-1/2	28-15/16 x 34 5/8 x 12-5/8						



Use of the AHRI Certified® mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org



DAIKIN AURORA SINGLE-ZONE INVERTER HEAT PUMP SYSTEMS

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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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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