DAIKIN
AIR INTELLIGENCE™

Single and Multi-Zone Systems Reference Guide

DAIKIN

About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 90th anniversary in May 2014. 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 products and refrigeration systems 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.

A WORLD LEADING MANUFACTURER OF HVAC PRODUCTS

FOUNDED IN 1924

WARRANTIES

Single and Multi-Zone Systems		SkyAir††
15 Series† NV Series†† LV 30/36††	19 Series†, Daikin AURORA™†, LV Series†, Quaternity™†, VISTA™†, RMXS† / MXS Series†	All products
		

* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 10-Year Parts Limited Warranty or 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Quebec.

† If product installed in a commercial application, limited warranty period is 5 years

†† Limited warranty registration not required for residential or commercial installations.

Proper sizing and installation of equipment is critical to achieving 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

ENERGY STAR

Not all models are **ENERGY STAR** certified. Refer to specification sheets for further details.

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.

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DAIKIN
AIR INTELLIGENCE™

AIR INTELLIGENT HEATING & COOLING SYSTEMS

SINGLE AND MULTI-ZONE SYSTEM BENEFITS

Features	Benefits
INVERTER-DRIVEN COMPRESSORS	Energy savings* by using only the system capacity needed to heat or cool a space
TOTAL ZONE CONTROL	Cool and heat only rooms needing indoor comfort
INDIVIDUAL COMFORT	Personal comfort control in each room or zone
EASY INSTALLATION	Quick and easy installation, often within a day's work
YEAR-ROUND COMFORT	Heat in extreme climates, down to -13° F, without the need of supplemental heat (select models).
QUIET OPERATION	Operating sound levels as low as 22 dB(A) for undisturbed home comfort.

*Compared to 14 SEER Unitary System

INVERTER – THE HEART OF THE DAIKIN SYSTEM

The inverter compressor is the heart of a Daikin system and maximizes energy savings* and provides absolute comfort while only providing the energy needed to heat or cool a space.

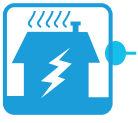
USING

LESS ENERGY CONSUMPTION*
WITH AN INVERTER COMPRESSOR
& FAN MOTOR TECHNOLOGY

WORKS BY CONTROLLING A COMPRESSOR LIKE A THROTTLE PEDAL CONTROLS A CAR ENGINE

ACHIEVING EFFICIENT PART LOAD PERFORMANCE WITH AVERAGE **75%** OF TOTAL OPERATING HOURS AT **LESS THAN 70% OF FULL CAPACITY**

GENERATES THE SAME AMOUNT OF HEAT OUTPUT AS ELECTRIC BOOSTER HEAT WITHOUT THE EXTRA ENERGY



LONGER COMPRESSOR LIFE WITH FEWER STARTS AND LESS WEAR AND TEAR VS. NON-INVERTER SYSTEMS

REFRIGERANT FLOW DELIVERED= REFRIGERANT REQUIRED FOR SPACE

*Compared to 14 SEER Unitary System

PRODUCT

Wall-Mounted

Single and Multi-Zone Models

15 Series | FTXN/FTKN | 9,000 - 24,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 42-43 for more info

- 15 SEER | 8.2 HSPF
- Cooling Range 50-115°F
- Heating Range 5 – 65°F
- Indoor Sound Pressure as low as 19 dB(A)
- Optional Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Compatible with Daikin Comfort App (adapter required)

19 Series | FTX/FTK | 9,000 - 24,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 44-45 for more info

- 19 SEER | 9.0 HSPF
- Cooling Range 50 – 115°F (Extended operation to -4 – 115°F with facility setting and optional Air Adjustment Grille)
- Indoor Sound Pressure as low as 19 dB(A)
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Compatible with Daikin Comfort App (adapter required)

Wall-Mounted

Single and Multi-Zone Models

Daikin AURORA™ Wall-Mounted | FTX | 9,000 - 15,000 BTU/h *(Heat Pump)*

See pages 46-47 for more info

- 20 SEER | 12.5 HSPF
- Up to 100% Cooling Capacity at 104°F, 100% Heating Capacity at 5°F
- Cooling Range 50 – 115°F (Extended operation to -4 – 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range -13 – 60°F
- Indoor Sound Pressure as Low as 19 dB(A)
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Hot Start – Prevents cold draft when heating starts, or when unit changes from cooling to heating.
- Compatible with Daikin Comfort App (adapter required)

Quaternity™ | FTXG | 9,000 - 15,000 BTU/h *(Heat Pump)*

See page 53 for more info

- 26.1 SEER | 11.0 HSPF
- Cooling Range 14° - 109°F
- Heating Range -4 – 75°F
- Indoor Sound Pressure as low as 26 dB(A)
- Dehumidifying to a preset relative setting
- Flash Streamer air cleaner
- 3-D Airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- Available on Single-Zone Systems only

Wall-Mounted

Single and Multi-Zone Models

LV Series | FTXS | 9,000 - 24,000 BTU/h *(Heat Pump)*

See pages 50-51 for more info

- 24.5 SEER | 12.5 HSPF
- Cooling Range 14 – 115°F (Extended operation to 0 – 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range 5 – 65°F
- Indoor Sound Pressure as low as 22 dB(A)
- Intelligent Eye infrared sensor with the ability to sense movement in the room and change temperature conditions during unoccupied periods
- 3-D Airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Compatible with Daikin Comfort App (adapter required)

Daikin EMURA™ Wall-Mounted | CTXG | 9,000 - 18,000 BTU/h *(Heat Pump)*

NEW!

See pages 62-63 for more info

- Up to 18.9 SEER | Up to 12.5 HSPF
- Indoor Sound Pressure as low as 21 dB(A)
- Stylish silver or pure matte white finish
- 2-Area Intelligent Eye infrared sensor with the ability to sense movement in the room and change temperature conditions during unoccupied periods. The intelligent eye also directs air flow away from people in the room to avoid cold drafts.
- 3-D Airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Compatible with Daikin Comfort App (adapter required)
- Available on Multi-Zone Systems only

Wall-Mounted

Single and Multi-Zone Models

NV & LV 30/36 | FTX/FTXS | 30,000 – 36,000 BTU/h *(Heat Pump or Cooling Only)*

See page 56 & 57 for more info

- Up to 17.5 SEER | Up to 9.3 HSPF
- Cooling range 50 – 115°F (Extended operation to -4 with facility setting and optional air adjustment grille)
- Low ambient cooling down to -22°F on cooling only model
- Optional Ultra Low Ambient Year Round Cooling Kit, down to -40°F on cooling only model.
- Indoor sound pressure as low as 37 dB(A)
- Intelligent Eye infrared sensor with the ability to sense movement in the room and change temperature conditions during unoccupied periods
- 3-D airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- Comfort Mode - When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Compatible with Daikin Comfort App (adapter required)

SkyAir | FAQ | 18,000 - 24,000 BTU/h *(Heat Pump or Cooling Only)*

See page 66 for more info

- Up to 18.6 SEER | Up to 9.4 HSPF
- Cooling Range 23 – 115°F (Extended operation to 0°F with optional Air Adjustment Grille)
- Heating Range 0 – 60°F
- Indoor Sound Pressure as low as 37 dB(A)
- Vertical auto-swing function & wide angle louvers ensure efficient air distribution & comfortable airflow.
- Front panel can be removed for easy cleaning.

Ceiling-Mount and Floor-Standing

Single and Multi-Zone Models

Daikin VISTA™ Ceiling Cassette | FFQ | 9,000 – 18,000 BTU/h *(Heat Pump)*

NEW!

See pages 54-55 for more info

- Up to 20.9 SEER | Up to 11.7 HSPF
- Cooling range 5-115°F
- Heating range 5-65°F
- Indoor sound pressure as low as 29 dB (A)
- 2x2 for seamless integration into ceiling tiles
- 2, 3 or 4-way airflow pattern
- Built-in condensate pump (up to 22")
- Fresh air intake knockout
- Presence and floor sensor (optional)

SkyAir Round Flow Cassette | FCQ | 18,000 – 42,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 70-71 for more info

- Up to 18.6 SEER | Up to 10.2 HSPF
- Cooling range 23-115°F
- Heating range -4-60°F
- Indoor sound pressure as low as 27 dB (A)
- 23 configurable airflow patterns ensure ideal airflow distribution
- 360° airflow reduces draft

SkyAir Ceiling-Suspended | FHQ | 18,000 – 42,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 72-73 for more info

- Up to 18.0 SEER | Up to 10.0 HSPF
- Cooling range 23-115°F
- Heating range -4-60°F
- Indoor sound pressure as low as 31 dB (A)
- Auto-swing capability with 100° airflow pattern for comfortable distribution
- Lateral servicing space allows installation in corners, narrow spaces, walls, and ceilings
- Innovative stream fan technology

Daikin AURORA™ Floor-Mounted | FVXS | 9,000 – 15,000 BTU/h *(Heat Pump)*

See page 48-49 for more info

- Up to 20.0 SEER | Up to 11.7 HSPF
- Up to 100% cooling capacity at 104°F (40°C), 100% heating capacity at 5°F (-15°C)
- Cooling range 50-115°F (extended operation to -4-115°F with facility setting and optional air adjustment grille)
- Heating range -13-60°F
- Indoor sound pressure as low as 23 dB (A)
- Mounted in various configurations, including partially or completely concealed

Ducted Models

LOW-STATIC (< 0.2) MODELS | FDXS / CDXS | 9,000 – 24,000 BTU/h

(Heat Pump)

See pages 52, 64-65 for more info

- Up to 15.5 SEER | Up to 10.4 HSPF
- Static capability up to 0.16" W.G.
- Cooling range 14-115°F
- Heating range 5-65°F
- Indoor sound pressure as low as 31 dB (A)
- Compact design (7-7/8" in height)
- Rear or bottom return
- CDXS models compatible with multi-split outdoor models only

SKYAIR HIGH-STATIC (< 0.8) MODELS | FBQ | 18,000 – 42,000 BTU/h

(Heat Pump or Cooling Only)

See pages 68-69 for more info

- Up to 17.5 SEER | Up to 10.6 HSPF
- Cooling range 23-115°F
- Heating range -4-65°F
- Indoor sound pressure as low as 37 dB (A)
- Medium external static pressure (ESP) capabilities up to 0.8" W.G.
- Three user selected fan speeds available plus fan "Auto" logic
- Built-in condensate pump
- Bottom access for easy service

SKYAIR MEDIUM-STATIC (< 0.5) MODELS | FTQ SERIES | 18,000 – 42,000 BTU/h

(Heat Pump)

See pages 74-75 for more info

- Up to 20.0 SEER | Up to 12.0 HSPF
- Cooling range 23-115°F
- Heating range -4-60°F
- Indoor sound pressure as low as 31 dB (A)
- Upflow or horizontal right configurations
- Field-installed electric heat options available from 3 kW to 15 kW

Outdoor Units

SINGLE-ZONE MODELS

RK, RKN, RKS *(Cooling Only)*
RX, RXN, RXS, RXG, RXL, RX *(Heat Pump)*
9,000 – 24,000 BTU/h

- Up to 26.1 SEER
- Slim, compact design
- Anti-corrosion coating on heat exchanger
- For rooms up to 1,600 SF

RZQ *(Heat Pump)* **RZR** *(Cooling Only)*
18,000 – 42,000 BTU/h

- Up to 20.0 SEER
- Choose from 6 indoor ducted and non-ducted indoor model types
- Up to 230 ft. total piping length
- Heating operation down to -4°F (Heat pump only)
- User-friendly, intelligent controls

MULTI-ZONE MODELS

MXL, MXS, RMXS *(Heat Pump)*
18,000 – 48,000 BTU/h

- Up to 19.5 SEER and up to 12.5 HSPF
- Mix and match indoor unit flexibility
- Up to 130% connection ratio
- Long piping lengths up to 433 ft. total
- Connect 2-8 indoor units to one outdoor unit

See pages 58-59 for more info

** RMXS48LVJU requires at least one branch port unit. Refer to Engineering Guide for details.*

Controls

Daikin ENVi Wired Thermostat

Intelligent comfort control anytime, anywhere

The Daikin ENVi Intelligent Thermostat is an intelligent, user-friendly residential control that gives the homeowner full access to comfort control at home or away from home. With supported Wi-Fi connectivity, homeowners can monitor and control their Daikin systems via their PCs, tablets, or smart phones through the User Web Portal or Daikin ENVi apps. The apps work with Apple, Android, and Blackberry devices.

www.DaikinENVi.com

Easy-to-use
User-friendly interface makes it easy to set up your personalized program, adjust your settings, and make adjustments anytime, anywhere.

Energy Friendly
Save money on your utility bills and reduce energy consumption (as compared to non-scheduled systems) with a weekly schedule.

Value
Access your own personal and secure web page to manage all aspects of your thermostat at no cost to you.

Intelligent
Receive automatic alerts and reminders for service due dates, filter changes, and more.

For details, contractor benefits, and access to the Daikin ENVi Contractor Portal, refer to Page 29 or visit
www.ecobee.com/contractors

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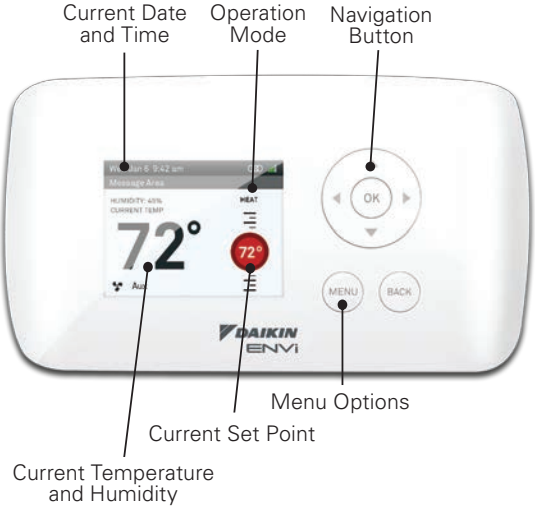


Features Include:

- Wi-Fi enabled for access anywhere via smart phone, tablet, or computer
- Weekly schedule
- Live weather forecasts
- Automated alerts and reminders
- Cool, heat, and auto modes with dual set point control
- Setback control
- Room temperature and relative humidity display

Note: A separate adaptor may be required. Refer to engineering guides. Not available with all products.

Infrared Remote Controller

Comfort control at your fingertips

Want to make your room comfortable at the touch of a single button? No problem. Wall-mounted and slim-ducted units come with a user-friendly remote control featuring a minimalistic, modern design in a matte crystal-white finish that forms a perfect match with the indoor unit.

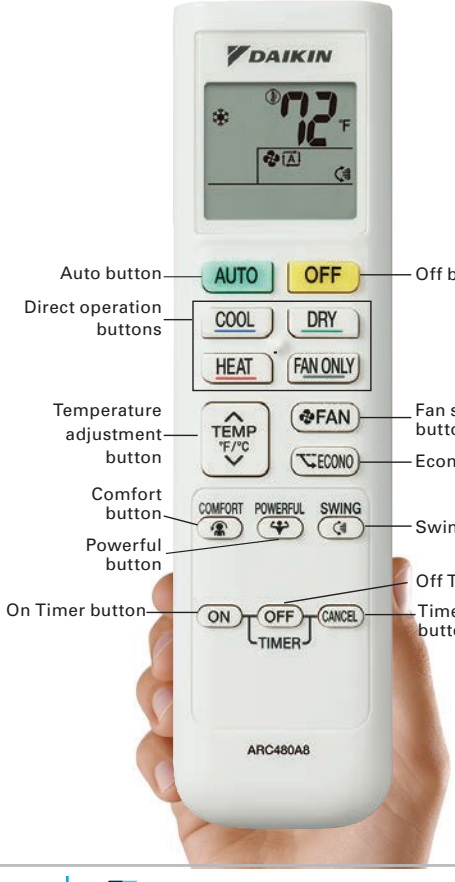
CONTROLLER FEATURES INCLUDE:

- **FAN**: Fan speed adjustment
- **POWERFUL**: System boost for 20 minutes in current operating mode
- **MODE**: HEAT, COOL, AUTO, DRY
- **TEMP**: Setpoint adjustment
- **COMFORT***: Adjusts louver position based on mode
- **SENSOR***: Intelligent Eye occupancy sensor
- **SWING***: Automatic vertical and horizontal auto-swing
- **WEEKLY***: 7-day programmable schedule
- **TIMER**: Timer and clock adjustment

**Available on Select Systems*

Wireless Remote Controller

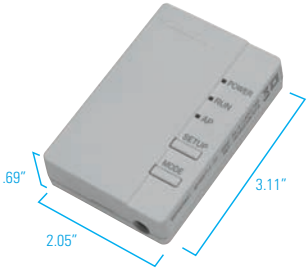
Optional wall-mounted wired controller (BRC944B2) available (requires KRP adapter on the 09,12 KE models)



15 Series and 19 models shown. Models vary.

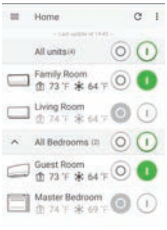
Daikin Comfort Control App and Wireless Interface Adapter for Mini-Splits and SkyAir Products

BRP072A43



App functionality requires that a **BRP072A43** wireless Interface Adapter be connected to an approved Daikin system.

Daikin Comfort Control App Screen Shots



Control individual units or groups of units conveniently

Select mode of operation and temperature setting

Compatibility

SERIES	MODELS
15	FTXN_NMVJU, FTKN_NMVJU
19	FTX_NMVJU FTK_NMVJU
Daikin AURORA™	FTX_NMVJU FVXS_NMVJU
LV	FTXS_LVJU FDXS_LVJU
NV	FTX_NVJU
MXS/Daikin AURORA™ MXL	CTXG_QVJU, CTXS_LVJU, FTXS_LVJU, FVXS_ NMVJU, FDXS_LVJU, CDXS_LVJU
Quaternity	FTXG_HVJU

Functions accessible via the Daikin Comfort Control App

Auto Mode — Your Daikin system will change between cooling or heating to maintain the desired temperature range.

Fan Mode — The indoor unit fan will run to circulate the air in the space without cooling or heating

Heating Mode — Your Daikin system will only run in heating mode to maintain the desired heating temperature

Cooling Mode — Your Daikin system will only run in cooling mode to maintain the desired cooling temperature

Dry Mode — Your Daikin system will continually work to dry the air without affecting the temperature in the space

Schedule — Adjust or set a schedule remotely

BRC1E73 Navigation Controller

Advanced, configurable comfort.

The Navigation Controller provides advanced comfort with as little or as much control as your home or business desires. Choose from an advanced or simplified display or one of the available optional face decals for comfort in a minimal, sleek design.

Advanced Display

Simplified Display

Optional Face Decals

Single Setpoint Face Decals for Simplified Display

BRC1E73RM

BRC1E73RF

BRC1E73RMF

Dual Setpoint Face Decals for Simplified Display

BRC1E73RM2

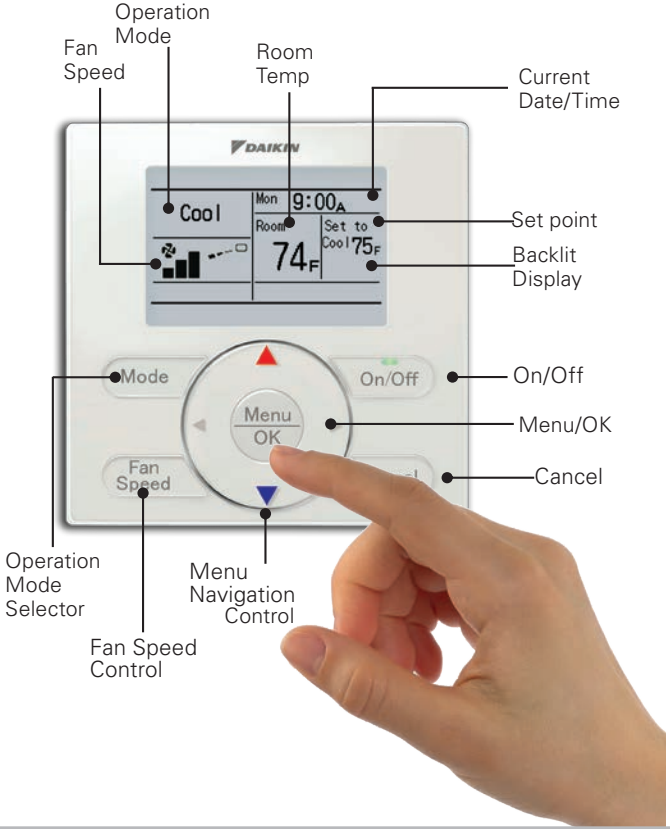
BRC1E73RF2

BRC1E73RMF2

Note: Not available with all products.

Features & Functions:

Basic Operation	Function
Operation Mode	Configurable Display
Set Point	Auto-Changeover
Fan Speed, Airflow Direction	Weekly Schedule
Auto On/Off Timer	Independent Cooling and Heating Set Points and Setback for unoccupied periods



SELLING TIPS

Single and Multi-Zone Selling Tips

Look for opportunities to sell Daikin single and multi-zone systems on EVERY call.

1. Discover homeowner problems and needs.

Ask questions and have customers fill out a comfort survey prior to or during the visit.

- ☐ Lifestyle – age of home, family members in home, kids, aging parents, main living areas (bedroom, living room), remodeling, etc.
- ☐ Comfort – airflow issues, hot or cold rooms, noise issues, air quality, etc.
- ☐ Energy – average energy bills, expected utility trends, energy improvements to home, etc.

2. Look for additional comfort and energy saving opportunities throughout the home.

- ☐ Areas with heavy or low sunlight
- ☐ Empty rooms
- ☐ Space heaters or portable air conditioners
- ☐ Air filtration devices
- ☐ Sun rooms, porches, basements, attics, additions

3. Introduce Daikin single and multi-zone systems features and benefits.

- ☐ Next generation heating and cooling
- ☐ Single and multi-zone systems and ducted system options for individual rooms or entire homes
- ☐ Energy efficiency
- ☐ Heat and cool only the rooms you use
- ☐ Individual room comfort control
- ☐ Long-life, washable filters
- ☐ Quick and easy installation
- ☐ High quality, reliable products with outstanding limited warranties*

4. Introduce the benefits of the Daikin Comfort Control App or Daikin ENVi Intelligent Thermostats.

- ☐ Control remotely from anywhere using PC, smart phone or tablet
- ☐ Traditional thermostat functionality
- ☐ Bright, backlit display (ENVi)
- ☐ View room temperature, relative humidity, outdoor temperature and weather forecast (ENVi)
- ☐ Fault notifications (ENVi)

5. Include Daikin single and multi-zone system options with your proposal and differentiate from the competition.

- ☐ Go beyond traditional single and multi-zone systems and offer more comfort choices
- ☐ Recommend an option that includes a Daikin system
- ☐ Provide your customers with superior comfort, control and efficiency

* Complete warranty details available from your Daikin distributor or at www.daikincomfort.com and www.daikinac.com

Single and Multi-Zone System Installation Best Practices

Outdoor Unit (Compressor)

- Locate the outdoor unit on a stable level surface solid enough to bear the weight and potential vibration of the unit.
- Use adjustment risers to place the unit off the ground to minimize debris and snow buildup and improve drainage. Do not place anything under the unit which must be kept away from moisture.
- Secure outdoor units to pads, risers and/or surface using bolts and/or adhesives.

Condensate Drain

- Install with a downhill slope. Drain may be routed with line set and run to a proper termination point so long as it is away from crawl spaces and walkways.

Refrigerant Charge

- Ensure the system has the proper refrigerant charge. Many installations may not require adjustments.
- Gauges to verify refrigerant levels are only needed when adjustments are necessary. A scale must be used to ensure a proper charge when adding or removing refrigerant.

Properly installed Daikin systems can provide:

- Reduced callbacks and improved profitability
- Valuable energy savings for your customers*
- Improved customer satisfaction
- Increased referrals and future sales

*Compared to 14 SEER Unitary System

Attend a Daikin University course for more information.
Register online at www.DaikinUniversity.com

Line Set Insulation and Protection

- Cover the entire line set length with insulation to avoid condensation. Refer to installation manual for proper insulation dimensions.
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.
- Use line cover to protect the outdoor portion of the insulated line set to avoid premature insulation damage.
- Add UV tape as needed on areas without line cover to ensure protection of the entire line set length.

Cold Climate Efficiency and Installation Tips

Indoors

- Furnaces or Zonal Electric Heat – Set back at the thermostat or shut off at the breaker for furnace or zonal heat so that it does not compete with the Daikin system.
- Temperature Set Back – Set programmable thermostat to HEAT with the fan in ON position for air distribution and set the temperature 4° F below the Daikin system.

Outdoors

- Increase clearance under the outdoor unit to promote easy drainage and reduce snow and ice buildup.
- Consider wall-mount brackets to increase outdoor unit clearance.
- Use a pan heater to avoid defrost discharge freezing inside the condenser in extreme climates.

Homeowner Education

- Use Daikin systems as the primary heating and cooling system to increase comfort and efficiency. Secondary heating and cooling systems can remain off until needed as a supplement.
- Regular washing and cleaning of the filters can maintain performance and efficiency of Daikin single and multi-zone systems.
- Familiarize customers with all features provided on the Remote functionality, please see the Controller Quick User Guides:
  - BRC944B2 Controller Quick User Guide
  - ARC447A3 Quaternity™ Controller Quick User Guide

CONTINUED ON NEXT PAGE

- Introduce the features of the Daikin Comfort Control App or Daikin ENVi Intelligent Thermostats.
  - Wi-Fi set-up
  - Smart phone and tablet control
  - System control and scheduling
  - Outside temperature, humidity and weather forecasts
- Explain temperature control from remote controller, set temperature setpoints that provide the desired comfort level for heat and cool operations.
- Select and set the priority zone setting (Multi-Zone).

Recommended Single and Multi-Zone System Maintenance Performed by an HVAC Technician

- Check and clean air filters
- Wash outdoor coil on a regular bi-annual (twice a year) schedule
- Wash out float reservoir for condensate pumps (spring or fall)
- Check and replace hand-held Remote Controller batteries annually
- Check all electrical connections
- Check flare connections for oil (presence of oil can indicate a refrigerant leak)
- Clean debris (leaves – grass – dirt) from base pan of outdoor unit to ensure condensate drainage in heating season

Daikin eQuip

Enhance the way you do business with Daikin eQuip, Daikin's FREE mobile app that gives you single and multi-zone system support at your fingertips.

Daikin eQuip is designed for both smart phones and tablets, and places information in your hands quickly and easily for all of your on-the-go needs. Use this app to:

- Search for information related to Daikin and any of our products, to download your most often referenced documents for quick and easy future access.
- Search, share, and send information via email or text message (SMS) for immediate sharing.
- Receive instant updates (Wi-Fi or Cellular service required) for the most up to date news and information on Daikin.

SCAN NOW to get Daikin instantly at your *fingertips*.

Resources

The Daikin website offers instant access to brochures, manuals and other commonly used resources.

Installation Manuals

Service Manuals

For more information:

Sales and Technical Support:
1-855-DAIKIN1

www.daikinac.com

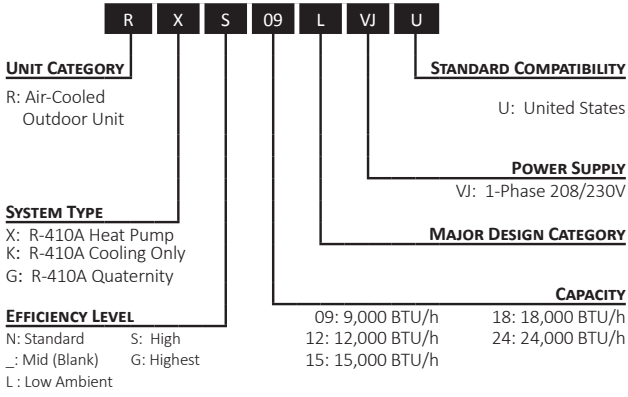
SPECIFICATIONS & ACCESSORIES

Nomenclature

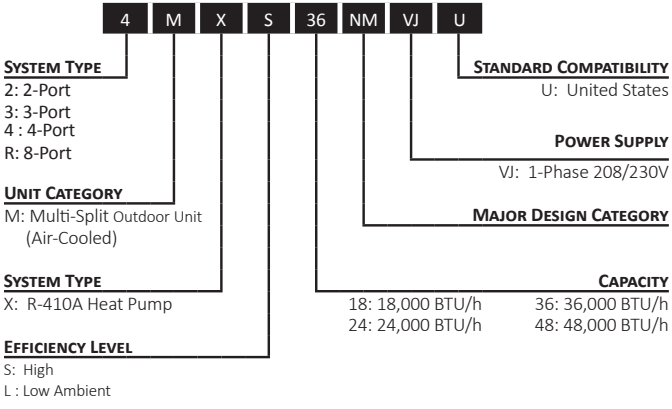
Single and Multi-Zone Systems

How to Read Model Numbers – Outdoor Units

Single Zone

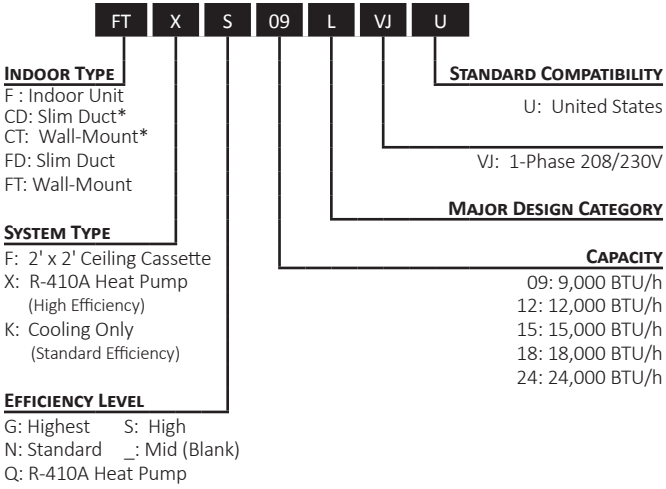


Multi-Zone



Nomenclature

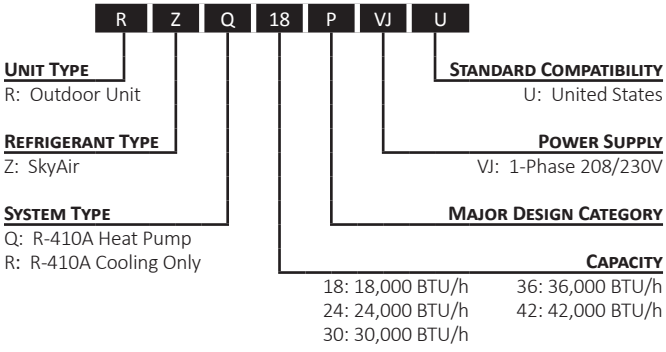
How to Read Model Numbers – Indoor Units



* Compatible with multi-split MXS outdoor units only

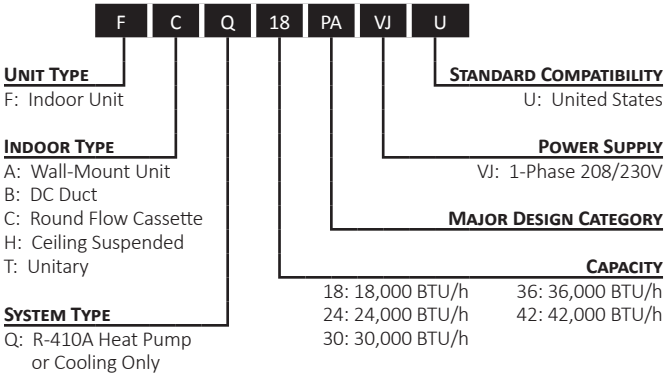
Nomenclature

How to Read Model Numbers



Nomenclature

How to Read Model Numbers



15 Series Wall-Mounted Specs

Single-Zone Heat Pump or Cooling Only

Nominal Tons			.75 Ton
Indoor Model#	Heat Pump		FTXN09NMVJU
Outdoor Model#	Heat Pump		RXN09NMVJU
Indoor Model#	Cooling Only		FTKN09NMVJU
Outdoor Model#	Cooling Only		RKN09NMVJU
Cooling Capacity (Rated)		BTU/h	9,000
Cooling Capacity (Min – Max)		BTU/h	4,400-10,200
Heating Capacity (Rated)*		BTU/h	9,000
Heating Capacity (Min – Max)*		BTU/h	4,400-10,000
SEER / HSPF			15 / 8.2
COP* / EER			3.88 / 10.4
Power Supply			208-230V / 1 Ph
Minimum Circuit Amps Heat Pump		A	10.1
Minimum Circuit Amps Cooling Only		A	7.9
Maximum Overcurrent Protection		A	15
Liquid Piping Connections (O.D.)		in.	Ø ¼
Gas Piping Connections (O.D.)		in.	Ø ⅜
Condensate Drain		in.	Ø ⅝
Max. Piping Length		ft.	49.2
Max. Piping Height		ft.	39.3
Indoor Dimensions (H x W x D)		in.	11¼ x 30 5/16 x 8¾
Outdoor Dimensions (H x W x D)		in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling		°F DB	50 - 115
Operating Range - Heating*		°F WB	5 - 65

*Applicable to heat pump models only, refer to installation manual for more details.

1.0 Ton	1.5 Ton	2.0 Ton
FTXN12NMVJU	FTXN18NMVJU	FTXN24NMVJU
RXN12NMVJU	RXN18NMVJU	RXN24NMVJU
FTKN12NMVJU	FTKN18NMVJU	FTKN24NMVJU
RKN12NMVJU	RKN18NMVJU	RKN24NMVJU
12,000	17,100	22,000
4,400-13,000	4,400-18,000	5,100-23,000
12,000	18,000	22,000
4,400-14,000	5,100-19,100	5,100-25,400
15 / 8.2	15 / 8.2	15 / 8.2
3.86 / 10.5	3.82 / 11	3.6 / 9.2
208-230V / 1 Ph	208-230V / 1 Ph	208-230V / 1 Ph
10.1	13.3	18.3
8.6	9.5	18.3
15	15	20
Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ⅝
Ø ⅝	Ø ⅝	Ø ⅝
49.2	98.4	98.4
39.3	65.6	65.6
11¼ x 30 9/16 x 8¾	11⅝ x 39 x 10⅜	11⅝ x 39 x 10⅜
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝	28 15/16 x 34¼ x 12⅝
50 - 115	50 - 115	50 - 115
5 - 65	5 - 65	5 - 65

19 Series Wall-Mounted Specs

Single-Zone Heat Pump or Cooling Only

ENERGY STAR® CERTIFIED			**YES**
NOMINAL TONS			**0.75 TON**
INDOOR MODEL#	Heat Pump		**FTX09NMVJU**
OUTDOOR MODEL#	Heat Pump		**RX09NMVJU**
INDOOR MODEL#	Cooling Only		**FTK09NMVJU**
OUTDOOR MODEL#	Cooling Only		**RK09NMVJU**
Cooling Capacity (Rated)		BTU/h	9,000
Cooling Capacity (Min – Max)		BTU/h	4,400-10,200
Heating Capacity (Rated)*		BTU/h	10,000
Heating Capacity (Min – Max)*		BTU/h	4,400-13,000
SEER / HSPF			19 / 9.0
COP* / EER			4.06 / 12.5
Power Supply			208-230V / 1 Ph
Minimum Circuit Amps		A	12.1
Maximum Overcurrent Protection		A	15
Liquid Piping Connections (O.D.)		in.	Ø ¼
Gas Piping Connections (O.D.)		in.	Ø ⅜
Condensate Drain		in.	Ø ⅝
Max. Piping Length		ft.	65.6
Max. Piping Height		ft.	49.2
Indoor Dimensions (H x W x D)		in.	11¼ x 30 9/16 x 8¾
Outdoor Dimensions (H x W x D)		in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling		°F DB	50 - 115
Operating Range - Low-Ambient Cooling**		°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille**		°F DB	-4 - 115
Operating Range - Heating*		°F WB	5 - 65

* Applicable to heat pump models only, refer to installation manual for more details.
** Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

YES	YES	YES
1.0 TON	**1.5 TON**	**2.0 TON**
FTX12NMVJU	**FTX18NMVJU**	**FTX24NMVJU**
RX12NMVJU	**RX18NMVJU**	**RX24NMVJU**
FTK12NMVJU	**FTK18NMVJU**	**FTK24NMVJU**
RK12NMVJU	**RK18NMVJU**	**RK24NMVJU**
10,900	18,000	21,000
4,400 - 13,300	5,500 - 20,000	5,500 - 24,000
13,500	21,600	24,000
4,400 - 16,400	5,500 - 24,000	5,800 - 27,600
19 / 9.0	18 / 9.0	18 / 9.0
3.8 / 12.5	3.6 / 12.5	3.5 / 12.5
208-230V / 1 Ph	208-230V / 1 Ph	208-230V / 1 Ph
12.2	18.3	18.3
15	20	20
Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ⅜
Ø ⅝	Ø ⅝	Ø ⅝
65.6	98.4	98.4
49.2	65.6	65.6
11¼ x 30 5/16 x 8¾	11⅝ x 39 x 10⅜	11⅝ x 39 x 10⅜
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝	28 15/16 x 34¼ x 12⅝
50 - 115	50 - 115	50 - 115
5 - 115	5 - 115	5 - 115
-4 - 115	-4 - 115	-4 - 115
5 - 65	5 - 65	5 - 65

* Proper sizing and installation of equipment is critical to achieving 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.

Daikin AURORA™ Wall-Mounted Specs

Enhanced-Capacity Single-Zone Heat Pump

ENERGY STAR® CERTIFIED			**YES**
NOMINAL TONS			**0.75 TON**
INDOOR MODELS	Heat Pump		**FTX09NMVJU**
OUTDOOR MODELS	Heat Pump		**RXL09QMVJU**
Cooling Capacity (Rated)		BTU/h	9,000
Cooling Capacity (Min – Max)		BTU/h	4,400 - 10,900
Heating Capacity (Rated)		BTU/h	10,900
Heating Capacity (Min – Max)		BTU/h	4,400 - 16,000
SEER / HSPF			20 / 12.5
COP / EER			4.2 / 12.5
Power Supply			208-230V / 1 Ph
Minimum Circuit Amps		A	9.5
Maximum Overcurrent Protection		A	15
Liquid Piping Connections (O.D.)		in.	Ø ¼
Gas Piping Connections (O.D.)		in.	Ø ⅜
Condensate Drain		in.	Ø ⅝
Max. Piping Length		ft.	65.6
Max. Piping Height		ft.	49.2
Indoor Dimensions (H x W x D)		in.	11¼ x 30 5/16 x 8¾
Outdoor Dimensions (H x W x D)		in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling		°F DB	50 - 115
Operating Range - Low-Ambient Cooling*		°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*		°F DB	-4 - 115
Operating Range - Heating†		°F WB	-13 - 60

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

† The installation of an optional drain-pan is recommended in areas where ambient temperatures may fall below 5 °F (-15 °C) or in areas of heavy snowfall or high levels of winter time humidity.

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YES	YES
1.0 TON	**1.25 TON**
FTX12NMVJU	**FTX15NMVJU**
RXL12QMVJU	**RXL15QMVJU**
10,900	15,000
4,400-13,300	5,800-18,400
13,600	18,300
4,400 - 18,800	5,800 - 24,600
20 / 12	20 / 12.5
3.9/ 12.5	4.0/ 13.0
208-230V / 1 Ph	208-230V / 1 Ph
13.0	13.0
15	15
Ø ¼	Ø ¼
Ø ⅜	Ø ½
Ø ⅝	Ø ⅝
65.6	98.4
49.2	65.6
11¼ x 30 5/16 x 8¾	11⅝ x 39 x 10⅜
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝
50 - 115	50 - 115
5 - 115	5 - 115
-4 - 115	-4 - 115
-13 - 60	-13 - 60

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Daikin AURORA™ Floor-Standing Specs

Enhanced-Capacity Single-Zone Heat Pumps

Most efficient of ENERGY STAR® in 2017			**Yes**
Nominal Tons			**0.75 Ton**
Indoor Model#	Heat Pump		**FVXS09NVJU**
Outdoor Model#	Heat Pump		**RXL09QMVJU**
Cooling Capacity (Rated)		BTU/h	9,000
Cooling Capacity (Min – Max)		BTU/h	4,400-10,200
Heating Capacity (Rated)		BTU/h	10,100
Heating Capacity (Min – Max)		BTU/h	4,400 - 14,300
SEER / HSPF			20 / 11.7
COP / EER			4.1/ 12.5
Power Supply			208-230V / 1 Ph
Minimum Circuit Amps		A	9.5
Maximum Overcurrent Protection		A	15
Liquid Piping Connections (O.D.)		in.	Ø ¼
Gas Piping Connections (O.D.)		in.	Ø ⅜
Condensate Drain		in.	Ø 13/16
Max. Piping Length		ft.	65.6
Max. Piping Height		ft.	49.2
Indoor Dimensions (H x W x D)		in.	23⅜ x 27 9/16 x 8¼
Outdoor Dimensions (H x W x D)		in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling		°F DB	50 - 115
Operating Range - Low-Ambient Cooling*		°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*		°F DB	-4 - 115
Operating Range - Heating †		°F WB	-13 - 60

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

† The installation of an optional drain-pan is recommended in areas where ambient temperatures may fall below 5 °F (-15 °C) or in areas of heavy snowfall or high levels of winter time humidity.

NO	YES
1.0 TON	**1.25 TON**
FVXS12NVJU*	**FVXS15NVJU**
RXL12QMVJU*	**RXL15QMVJU**
10,200	15,000
4,400-12,300	5,800-17,100
13,000	18,000
4,400 - 17,100	5,800 - 24,000
20/ 11.4	20/ 11.3
4.0/ 12.0	3.76/ 12.5
208-230V / 1 Ph	208-230V / 1 Ph
13.0	13.0
15	15
Ø ¼	Ø ¼
Ø ⅜	Ø ½
Ø 13/16	Ø 13/16
65.6	98.4
49.2	65.6
23⅜ x 27 9/16 x 8¼	23⅜ x 27 9/16 x 8¼
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝
50 - 115	50 - 115
5 - 115	5 - 115
-4 - 115	-4 - 115
-13 - 60	-13 - 60

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LV Series Wall Mount Specs

Single-Zone Heat Pump

ENERGY STAR® CERTIFIED		YES
NOMINAL TONS		0.75 TON
INDOOR MODEL#		FTXS09LVJU
OUTDOOR MODEL#		RXS09LVJU
Cooling Capacity (Rated)	BTU/h	9,000
Cooling Capacity (Min – Max)	BTU/h	4,400 – 9,000
Heating Capacity (Rated)	BTU/h	12,000
Heating Capacity (Min – Max)	BTU/h	4,400 – 12,000
SEER / HSPF		24.5 / 12.5
COP / EER		4.46 / 15.3
Power Supply		208/230V/1 Ph
Minimum Circuit Amps	A	8.00
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.2
Indoor Dimensions (H x W x D)	in.	11⅝ x 31½ x 8 7/16
Outdoor Dimensions (H x W x D)	in.	21⅝ x 30⅛ x 11¼
Operating Range - Cooling*	°F DB	14 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	0 - 115
Operating Range - Heating	°F WB	5 - 65

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

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YES	YES	YES	YES
1.0 TON	**1.25 TON**	**1.5 TON**	**2.0 TON**
FTXS12LVJU	**FTXS15LVJU**	**FTXS18LVJU**	**FTXS24LVJU**
RXS12LVJU	**RXS15LVJU**	**RXS18LVJU**	**RXS24LVJU**
12,000	15,000	18,000	21,500
4,800 – 12,000	5,800 – 15,000	5,800 – 18,000	7,800 – 21,500
14,400	18,000	21,600	25,400
4,800 – 14,400	5,800 – 18,000	5,800 – 21,600	7,800 – 25,400
23 / 12.5	20.6 / 11.6	20.3 / 11	20.0 / 10.6
4.35 / 12.8	4.00 / 14.4	3.70 / 12.7	3.37 / 12.5
208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph
8.75	13.75	13.75	17.50
15	20	20	20
Ø ¼	Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ½	Ø ⅝
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
65.6	98.4	98.4	98.4
49.2	65.6	65.6	65.6
11⅜ x 31½ x 8 7/16	13⅜ x 41 5/16 x 9¾	13⅜ x 41 5/16 x 9¾	13⅜ x 41 5/16 x 9¾
21⅝ x 30⅛ x 11¼	28 15/16 x 32½ x 11 13/16	28 15/16 x 32½ x 11 13/16	30 5/16 x 35 7/16 x 12⅝
14 - 115	14 - 115	14 - 115	14 - 115
0 - 115	0 - 115	0 - 115	0 - 115
5 - 65	5 - 65	5 - 65	5 - 65

Products that are recognized as the Most Efficient of **ENERGY STAR**® in 2017 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency.

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LV Series Specs

Slim-Duct Heat Pump

Nominal Tons		0.75 Ton	1.0 Ton
Indoor Model#		FDXS09LVJU	FDXS12LVJU
Outdoor Model#		RXS09LVJU	RXS12LVJU
Cooling Capacity (Rated)	BTU/h	8,500	11,500
Cooling Capacity (Min – Max)	BTU/h	4,400 – 8,500	4,800 – 11,500
Heating Capacity (Rated)	BTU/h	10,000	11,500
Heating Capacity (Min – Max)	BTU/h	4,400 – 10,000	4,800 – 11,500
SEER / HSPF		15.1 / 10.3	15.5 / 10.4
COP / EER		3.45 / 11.2	3.51 / 9.1
Power Supply	V/PH	208/230V/1 Ph	208/230V/1 Ph
Minimum Circuit Amps	A	8.00	8.75
Maximum Overcurrent Protection	A	15	15
Liquid Piping Connections (O.D.)	in.	Ø 1/4	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 3/8	Ø 3/8
Condensate Drain	in.	Ø 25/32	Ø 25/32
Max. Piping Length	ft.	65.6	65.6
Max. Piping Height	ft.	49.2	49.2
Indoor Dimensions (H x W x D)	in.	7 7/8 x 27 9/16 x 24 7/16	7 7/8 x 27 9/16 x 24 7/16
Outdoor Dimensions (H x W x D)	in.	21 5/8 x 30 1/8 x 11 1/4	21 5/8 x 30 1/8 x 11 1/4
Operating Range - Cooling*	°F DB	14 - 115	14 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	0 - 115	0 - 115
Operating Range - Heating	°F WB	5 - 65	5 - 65

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

Quaternity™ Specs

Wall-Mounted Single-Zone Heat Pump

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ENERGY STAR® CERTIFIED		YES	YES	YES
NOMINAL TONS		0.75 TON	1.0 TON	1.25 TONS
INDOOR MODEL#		FTXG09HVJU	FTXG12HVJU	FTXG15HVJU
OUTDOOR MODEL#		RXG09HVJU	RXG12HVJU	RXG15HVJU
Cooling Capacity (Rated)	BTU/h	9,000	12,000	15,000
Cooling Capacity (Min – Max)	BTU/h	5,300 – 12,300	5,300 – 15,700	5,300 – 18,000
Heating Capacity (Rated)	BTU/h	12,000	16,000	18,000
Heating Capacity (Min – Max)	BTU/h	4,400 – 18,000	4,400 – 19,100	4,400 – 21,200
SEER / HSPF		26.1 / 11.0	24.2 / 10.6	21.0 / 10.0
COP / EER		4.51 / 15.8	4.04 / 14.0	3.99 / 12.9
Power Supply (1 Ph)		208/230V	208/230V	208/230V
Minimum Circuit Amps	A	14.5	14.5	14.5
MOP	A	15	15	15
Liquid Piping Connections (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 3/8	Ø3/8	Ø 3/8
Condensate Drain	in.	Ø 11/16	Ø 11/16	Ø 11/16
Max. Piping Length	ft.	32.8	32.8	32.8
Max. Piping Height	ft.	26.2	26.2	26.2
Indoor Dimensions (H x W x D)	in.	12 x 35 1/16 x 8 1/4	12 x 35 1/16 x 8 1/4	12 x 35 1/16 x 8 1/4
Outdoor Dimensions (H x W x D)	in.	22 3/8 x 31 5/16 x 11 1/4	22 3/8 x 31 5/16 x 11 1/4	22 3/4 x 31 5/16 x 11 1/4
Operating Range - Cooling	°F DB	14 - 109	14 - 109	14 - 109
Operating Range - Heating	°F WB	-4 - 75	-4 - 75	-4 - 75

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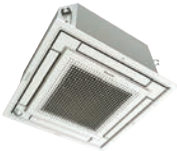
Daikin VISTA™ Specs

Ceiling Cassette Heat Pump
Up to 20.9 SEER | 11.7 HSPF

NOMINAL TONS		0.75 TON
INDOOR MODEL#		FFQ09Q2VJU
OUTDOOR MODEL#		RX09QMVJU
Cooling Capacity (Rated)	BTU/h	9,100
Cooling Capacity (Min – Max)	BTU/h	4,600 – 11,000
Heating Capacity (Rated)	BTU/h	10,000
Heating Capacity (Min – Max)	BTU/h	4,600 – 14,000
SEER / HSPF		20.9 / 11.7
COP / EER		4.53 / 13
Power Supply		208/230V/1/60
Minimum Circuit Amps	A	8.6
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 3/8
Condensate Drain	in.	Ø $1^{1}/_{32}$
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.2
Indoor Dimensions (H x W x D)	in.	10 ¼ x 22 ⅝ x 22 ⅝
Outdoor Dimensions (H x W x D)	in.	21⅝ x $26^{9}/_{16}$ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Low-Ambient Cooling*	°F DB	14 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating	°F WB	5 - 65

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

Shown with decoration panel BYFQ60C2W1S



Shown with decoration panel BYFQ60C2W1W

ENERGY STAR *

1.0 Ton	1.25 Tons	1.5 Tons
FFQ12Q2VJU	FFQ15Q2VJU	FFQ18Q2VJU
RX12QMVJU	RX15QMVJU	RX18Q2MVJU
10,800	14,400	17,400
4,600 – 13,300	5,100 – 16,200	5,100 – 18,800
13,500	16,200	21,600
4,600 – 16,800	5,200 – 16,300	5,400 – 21,800
20.2 / 11.2	20.7 / 11.0	19.3 / 10.1
3.94 / 12.5	3.87 / 12.5	3.36 / 12.5
208-230/1/60	208-230/1/60	208-230/1/60
8.6	9.1	12
15	15	15
Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ½
Ø $1^{1}/_{32}$	Ø $1^{1}/_{32}$	Ø $1^{1}/_{32}$
65.6	98.4	98.4
49.2	65.6	65.6
10¼ x 22⅝ x 22⅝	10¼ x 22⅝ x 22⅝	10¼ x 22⅝ x 22⅝
21⅝ x $26^{9}/_{16}$ x $11^{3}/_{16}$	$28^{15}/_{16}$ x 34¼ x 12⅝	$28^{15}/_{16}$ x 34¼ x 12⅝
50 - 115	50 - 115	50 - 115
14 - 115	14 - 115	14 - 115
-4 - 115	-4 - 115	-4 - 115
5 - 65	5 - 65	5 - 65

Optional occupancy sensor kits are available: White BRYQ60A2W Silver BRYQ60A2S

*Proper sizing and installation of equipment is critical to achieving 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.

NV Series

Wall-Mounted Single Zone
Heat Pump or Cooling Only Units

Nominal Tons		2.5 Ton	3 Ton
Indoor Model#	Cooling Only and Heat Pump	FTX30NVJU	FTX36NVJU
Outdoor Model#	Heat Pump	RX30NMVJU	RX36NMVJU
Outdoor Model#	Cooling Only	RK30NMVJU	RK36NMVJU
Cooling Capacity (Rated)	BTU/h	31,400	34,000
Cooling Capacity (Min – Max)	BTU/h	10,200 - 31,400	10,200 ~ 33,200 - 34,400
Heating Capacity (Rated)*	BTU/h	34,800	36,000
Heating Capacity (Min – Max)*	BTU/h	10,200 - 34,800	10,200 ~ 35,200 - 36,000
SEER / HSPF		17.5 / 9.3	15.9 / 9.2
COP* / EER		2.92 / 9.85	2.80 / 9.6
Power Supply		208-230V / 1 Ph	208-230V / 1 Ph
Minimum Circuit Amps (RX)	A	17	17
Minimum Circuit Amps (RK)	A	19.8	19.8
Maximum Overcurrent Protection	A	20	20
Liquid Piping Connections (O.D.)	in.	Ø 1/4	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 5/8	Ø 5/8
Condensate Drain	in.	Ø 5/8	Ø 5/8
Max. Piping Length	ft.	98.4	98.4
Max. Piping Height	ft.	65.625	65.625
Indoor Dimensions (H x W x D)	in.	13-3/8 x 47-1/4 x 10-3/16	13-3/8 x 47-1/4 x 10-3/16
Outdoor Dimensions (H x W x D)	in.	28-15/16 x 34-1/4 x 12-5/8	28-15/16 x 34-1/4 x 12-5/8
Operating Range - Cooling - RX/RK	°F DB	50 - 115	50 - 115
Operating Range - Enhanced Cooling - RX/RK*	°F DB	14 - 115	14 - 115
Operating Range - Low Ambient Cooling - RX/RK**	°F DB	-4 - 115	-4 - 115
Operating Range - Ultra Low Ambient Cooling - RK Only***	°F DB	-22 - 115	-22 - 115
Operating Range - Heating+	°F WB	5 - 65	5 - 65

* Activated with a dipswitch setting. Refer to installation manual for more details

** Activated with a dipswitch setting and use of air direction adjustment grille (KPW063A4). Refer to installation manual for more details.

*** Activated with additional dipswitch setting and notes per **. Refer to installation manual for more details.

+ Applicable to heat pump models only.

LV 30/36 Wall-Mounted Series

Single Zone Heat Pump or Cooling Only Units

FTXS only.

Nominal Tons		2.5 Tons	3.0 Tons
Indoor Model#		FTXS30LVJU	FTXS36LVJU
Outdoor Model# Cooling Only		RKS30LVJU	RKS36LVJU
Cooling Capacity (Rated)	BTU/h	30,000	36,000
Cooling Capacity (Min – Max)	BTU/h	10,200 – 30,000	10,200 – 36,000
SEER		19.3	17.9
EER		10.71	8.37
Power Supply		208/230V/1 PH	208/230V/1 PH
Minimum Circuit Amps	A	19.5	19.5
Maximum Overcurrent Protection	A	20.0	20.0
Liquid Piping Connections O.D.)	in.	Ø ⅜	Ø ⅜
Gas Piping Connections (O.D.)	in.	Ø ⅝	Ø ⅝
Condensate Drain	in.	Ø ⅝	Ø ⅝
Max. Piping Length	ft.	98.4	98.4
Max. Piping Height	ft.	65.6	65.6
Indoor Dimensions (H x W x D)	in.	13⅜ x 47¼ x 9 7/16	13⅜ x 47¼ x 9 7/16
Outdoor Dimensions (H x W x D)	in.	38 15/16 x 37 x 12⅝	38 15/16 x 37 x 12⅝
Cooling Operation Range	°F DB	50 – 115	50 – 115
Cooling Range w/ Air Adjustment Grille*	°F DB	0 – 115	0 – 115
Operating Range - Cooling with Air Adjustment Grille and Low Ambient Kit	°F DB	-40 – 115	-40 – 115

* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

Daikin AURORA™ (MXL) Specs

High-Capacity, Low-Ambient
Multi-Zone Outdoor Unit

ENERGY STAR® CERTIFIED		YES	YES
NOMINAL TONS		1.5 TONS	2.0 TONS
OUTDOOR MODELS		2MXL18QMVJU	3MXL24QMVJU
Nominal Capacity	BTU/h	18,000	24,000
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Cooling Capacity (Rated-Max)	BTU/h	18,000 - 24,000	24,000 - 30,000
Cooling Capacity @ 115°F	BTU/h	19,500	22,100
Heating Capacity (Rated)	BTU/h	18,900	24,100
Heating Capacity (Rated-Max)	BTU/h	18,900 - 36,000	24,000 - 41,000
Heating Capacity @ 5°F	BTU/h	18,900	21,600
SEER/ EER/ HSPF	Non-Ducted	17/12.7/10.3	17.9/12.7/12.5
	Mixed	15.5/11.4/9.25	15.95/11.3/10.35
	Ducted	14/10.1/8.2	14.0/9.9/8.2
Power Supply	V/ϕ/Hz	208-230V/1	208-230V/1
Minimum Circuit Amps	A	17.1	19.5
Max Overcurrent Protection	A	20	20
Power Consumption - Cooling	kW	1.42	1.89
Power Consumption - Heating	kW	1.32	1.54
Sound Pressure Level - Cooling/Heating	dB(A)	50 /51	52 /54
Max Piping Length	ft.	164.0	229.6
Max Piping Height	ft.	49.2	49.2
Dimensions (HxWxD)	in.	$28^{15}/_{16}$ x 34¼ x 12⅝	
Operating Range - Cooling	°F DB	14 - 115	14 - 115
Operating Range - Heating	°F WB	-13 - 60	-13 - 60

ENERGY STAR *

		2MXL18QMVJU	3MXL24QMVJU
Wall-Mounted	CTXS07LVJU	x	x
	FTXS09LVJU	x	x
	FTXS12LVJU	x	x
	FTXS15LVJU	x	x
	FTXS18LVJU		x
	CTXG09QVJU(W/S)	x	x
	CTXG12QVJU(W/S)	x	x
	CTXG18QVJU(W/S)		x
2x2 Cassette	FFQ09Q2VJU	x	x
	FFQ12Q2VJU	x	x
	FFQ15Q2VJU	x	x
	FFQ18Q2VJU	x	x
Floor-Standing	FVXS09NVJU	x	x
	FVXS12NVJU	x	x
	FVXS15NVJU	x	x
	FVXS18NVJU		x
Duct-Connected	FDXS09LVJU	x	x
	FDXS12LVJU	x	x
	CDXS15LVJU	x	x
	CDXS18LVJU		x

*Proper sizing and installation of equipment is critical to achieving 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.

MXS Specs

Multi-Zone Outdoor Unit

ENERGY STAR® CERTIFIED		YES	YES
NOMINAL TONS		1.5 TON	2.0 TONS
OUTDOOR MODEL#		2MXS18NMVJU	3MXS24NMVJU
Nominal Capacity		18,000	24,000
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Cooling Capacity (Rated - Max)	BTU/h	18,000 - 21,000	24,000 - 30,000
Heating Capacity (Rated)	BTU/h	18,900	24,000
Heating Capacity (Rated–Max)	BTU/h	18,900-25,000	24,000-36,000
SEER/ EER/ HSPF	Non-Ducted	18.9/12.5/10.7	17.9/12.7/12.5
	Mixed	16.5/11.0/9.5	15.9/11.2/10.4
	Ducted	14.0/9.5/8.2	14.0/9.7/8.2
Power Supply	V / Ø / Hz	208-230V / 1 Ph / 60	208-230V / 1 Ph / 60
Minimum Circuit Amps	A	15.8	18.7
Maximum Overcurrent Protection	A	20	20
Power Consumption - Cooling	kW	1.44	1.78
Power Consumption - Heating	kW	1.26	1.53
Sound Pressure Level - Cooling/Heating	dB(A)	50/51	52/54
Max Piping Length	ft.	164.0	229.6
Max Piping Height	ft.	49.2	49.2
Dimensions	HxWxD	28 15/16 x 34¼ x 12⅝	28 15/16 x 34¼ x 12⅝
Operating Range - Cooling	°F DB	14 - 115	14 - 115
Operating Range - Heating	°F WB	5 - 60	5 - 60

		2MXS18NMVJU	3MXS24NMVJU	4MXS36NMVJU	RMXS48LVJU
WALL-MOUNTED	CTXS07LVJU	x	x	x	x
	FTXS09LVJU	x	x	x	x
	FTXS12LVJU	x	x	x	x
	FTXS15LVJU	x	x	x	x
	FTXS18LVJU		x	x	x
	FTXS24LVJU			x	x
	CTXG09QVJU(W/S)	x	x	x	x
	CTXG12QVJU(W/S)	x	x	x	x
	CTXG18QVJU(W/S)			x	x

*Proper sizing and installation of equipment is critical to achieving 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.

No	No
3.0 Tons	4.0 Tons
4MXS36NMVJU	RMXS48LVJU
36,000	48,000
36,000	48,000
36,000 - 38,000	48,000 -
36,000	54,000
36,000-43,000	62,400
17.7/9.2/12.2	18.8/10.3/11.3
15.9/8.5/10.2	NA
14.0/7.9/8.2	14.1/9.6/9.3
208-230V / 1 Ph	208-230V / 1 Ph
19.75	27.0
20	30
3.28	4.64
49.2	3.98
54/57	57/58
229.6	NA
49.2	NA
28 15/16 x 34 1/4 x 12 5/8	52 15/16 x 35 7/16 x 12 5/8
14 - 115	23 - 115
5 - 60	5 - 60

RMXS48LVJU requires at least one branch port unit. Two sizes are available: two-port and three-port. Refer to the installation manual for full refrigerant piping lengths and requirements.

		2MXS18NMVJU	3MXS24NMVJU	4MXS36NMVJU	RMXS48LVJU
2x2 Cassette	FFQ09Q2VJU	x	x	x	x
	FFQ12Q2VJU	x	x	x	x
	FFQ15Q2VJU	x	x	x	x
	FFQ18Q2VJU		x	x	x
Floor-Standing	FVXS09NVJU	x	x	x	x
	FVXS12NVJU	x	x	x	x
	FVXS15NVJU	x	x	x	x
	FVXS18NVJU		x	x	x
Duct-Connected	FDXS09LVJU	x	x	x	x
	FDXS12LVJU	x	x	x	x
	CDXS15LVJU	x	x	x	x
	CDXS18LVJU		x	x	x
	CDXS24LVJU			x	x

Daikin AURORA™ (MXL) Specs / MXS Specs

Indoor Units

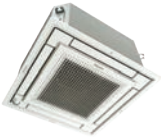
Nominal Tons		.5 Ton	.75 Ton
Wall-Mounted Units			
Indoor Model#			**CTXG09QVJU(W/S)**
Cooling Capacity (Nominal)	BTU/h		9,000
Liquid Piping Connection (O.D.)	in.		Ø ¼
Gas Piping Connection (O.D.)	in.		Ø ⅜
Condensate Drain	in.		Ø 11/16
Indoor Dimensions (H x W x D)	in.		11 15/16 x 39 5/16 x 8⅜

Indoor Model#		CTXS07LVJU	FTXS09LVJU
Rated Capacity Class	BTU/h	7,000	9,000
Liquid Piping Connection (O.D.)	in.	Ø ¼	Ø ¼
Gas Piping Connection (O.D.)	in.	Ø ⅜	Ø ⅜
Condensate Drain	in.	Ø ⅝	Ø⅝
Indoor Dimensions (H x W x D)	in.	11⅜ x 31½ x 8 7/16	11⅜ x 31½ x 8 7/16

2' X 2' Ceiling Cassette Units			
Indoor Model#			**FFQ09Q2VJU**
Rated Capacity Class	BTU/h		9,500
Liquid Piping Connection (O.D.)	in.		Ø ¼
Gas Piping Connection (O.D.)	in.		Ø ⅜
Condensate Drain	in.		Ø 1 1/32
Indoor Dimensions (H x W x D)	in.		11¼ x 22⅝ x 22⅝

CTXS/FTXS

CTXG



FFQ

Shown with decoration panel BYFQ60C2W1W

1 Ton	1.25 Tons	1.5 Tons
CTXG12QVJU(W/S)		CTXG18QVJU(W/S)
12,000		18,000
Ø ¼		Ø ¼
Ø ⅜		Ø ½
Ø 11/16		Ø 11/16
11 15/16 x 39 5/16 x 8⅜		11 15/16 x 39 5/16 x 8⅜

FTXS12LVJU	FTXS15LVJU	FTXS18LVJU	FTXS24LVJU
12,000	15,000	18,000	24,000
Ø ¼	Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ½	Ø ⅝
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
11⅝ x 31½ x 8 7/16	13⅜ x 41 5/16 x 9¾	13⅜ x 41 5/16 x 9¾	13⅜ x 41 5/16 x 9¾

FFQ12Q2VJU	FFQ15Q2VJU	FFQ18Q2VJU
12,000	15,000	18,000
Ø ¼	Ø ¼	Ø ¼
Ø ⅜	Ø ½	Ø ½
Ø 1 1/32	Ø 1 1/32	Ø 1 1/32
10¼ x 22⅝ x 22⅝	10¼ x 22⅝ x 22⅝	10¼ x 22⅝ x 22⅝

Daikin Multi-Zone System Specs

Indoor Units

Nominal Tons		.75 Ton	1.0 Ton
Wall-Mounted Units			
Slim-Duct Units			
Indoor Model#		**FDXS09LVJU**	**FDXS12LVJU**
Rated Capacity Class	BTU/h	9,000	12,00
External Static Pressure	"W.G.	0.12	0.12
Liquid Piping Connection (O.D.)	in.	Ø ¼	Ø ¼
Gas Piping Connection (O.D.)	in.	Ø ⅜	Ø ⅜
Condensate Drain	in.	Ø $^{25}/_{32}$	Ø $^{25}/_{32}$
Indoor Dimensions (H x W x D)	in.	7⅞ x 27$^{9}/_{16}$ x 24$^{7}/_{16}$	7⅞ x 27$^{9}/_{16}$ x 24$^{7}/_{16}$

Floor-Standing Units			
Indoor Model#		**FVXS09NVJU**	**FVXS12NVJU**
Rated Capacity Class	BTU/h	9,000	12,000
Liquid Piping Connection (O.D.)	in.	Ø ¼	Ø ¼
Gas Piping Connection (O.D.)	in.	Ø ⅜	Ø ⅜
Condensate Drain	in.	$^{13}/_{16}$	Ø $^{13}/_{16}$
Indoor Dimensions (H x W x D)	in.	23⅝ x 27$^{9}/_{16}$ x 8¼	23⅝ x 27$^{9}/_{16}$ x 8¼

FDXS/CDXS

FVXS

1.25 Ton	1.5 Ton	2.0 Ton

CDXS15LVJU	CDXS18LVJU	CDXS24LVJU
15,000	18,000	24,000
0.16	0.16	0.16
Ø ¼	Ø ¼	Ø ¼
Ø ½	Ø ½	Ø ⅝
Ø $1\frac{1}{32}$	Ø $1\frac{1}{32}$	Ø $1\frac{1}{32}$
7⅞ x $35\frac{7}{16}$ x $24\frac{7}{16}$	7⅞ x $35\frac{7}{16}$ x $24\frac{7}{16}$	7⅞ x $43\frac{5}{16}$ x $24\frac{7}{16}$

FVXS15NVJU	FVXS18NVJU
15,000	18,000
Ø ¼	Ø ¼
Ø ½	Ø ½
Ø $\frac{13}{16}$	Ø $\frac{13}{16}$
23⅝ x $27\frac{9}{16}$ x 8¼	23⅝ x $27\frac{9}{16}$ x 8¼

FAQ Series

Wall-Mounted Single Zone
Heat Pump or Cooling Only Units

Nominal Tons		1.5 Tons	2.0 Tons
Indoor Model#		FAQ18PVJU	FAQ24PVJU
Outdoor Model# Cooling Only		RZR18PVJU8	RZR24PVJU8
Outdoor Model# Heat Pump		RZQ18PVJU8	RZQ24PVJU8
Cooling Capacity (Rated)	BTU/h	18,000	23,800
Heating Capacity (Rated)*	BTU/h	20,000	27,600
SEER		18.6	17.3
EER		12.7	10.2
HSPF		8.7	9.4
Power Supply		208/230V/1 Ph	208/230V/1 Ph
Liquid Piping Connections (O.D.	in.	Ø ⅜	Ø ⅜
Gas Piping Connections (O.D.)	in.	Ø ⅝	Ø ⅝
Condensate Drain	in.	Ø $^{11}/_{16}$	Ø $^{11}/_{16}$
Net Weight	lbs.	31	31
Max. Piping Length	ft.	164.0	164.0
Max. Piping Height	ft.	98.0	98.0
Indoor Dimensions (H x W x D)	in.	11⅜ x 41⅜ x 9	11⅜ x 41⅜ x 9
Outdoor Dimensions (H x W x D)	in.	$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝	$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝
Operating Range - Cooling	°F DB	23 – 115	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115	0 – 115
Operating Range - Heating*	°F WB	0 – 60	0 – 60

* Available on Heat Pump models only

FBQ Series

DC Duct Heat Pump or Cooling Only

Nominal Tons		1.5 Tons
Indoor Model#		FBQ18PVJU
Outdoor Model# Cooling Only		RZR18PVJU8
Outdoor Model# Heat Pump		RZQ18PVJU8
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER /		17.5
EER		13
HSPF*		10.6
Power Supply		208/230V/1 Ph
External Static Pressure	"W.G.	Standard 0.40 (0.80 – 0.20)
Liquid Piping Connections O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ½
Condensate Drain	in.	Ø 1¼
Max. Piping Length	ft.	164.0
Max. Piping Height	ft.	98.4
Indoor Dimensions (H x W x D)	in.	$11\frac{13}{16}$ x 39⅜ x $27\frac{9}{16}$
Outdoor Dimensions (H x W x D)	in.	$30\frac{5}{16}$ x $35\frac{7}{16}$ x 12⅝
Operating Range - Cooling	°F DB	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115
Operating Range - Heating*	°F WB	0 – 60

* Available on Heat Pump models only

SkyAir

2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons
FBQ24PVJU	FBQ30PVJU	FBQ36PVJU	FBQ42PVJU
RZR24PVJU8	RZR30PVJU8	RZR36PVJU8	RZR42PVJU8
RZQ24PVJU8	RZQ30PVJU8	RZQ36PVJU8	RZQ42PVJU8
24,000	30,000	36,000	40,500
27,000	34,000	40,000	47,000
16.5	15.5	17.5	16.0
12.0	10.5	11.1	10.0
10.5	9.2	9.1	8.8
208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph
Standard 0.40 (0.80 - 0.20)			
Ø ⅜	Ø ⅜	Ø ⅜	Ø ⅜
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
Ø 1¼	Ø 1¼	Ø 1¼	Ø 1¼
164.0	164.0	229.6	229.6
98.4	98.4	164.0	164.0
11 13/16 x 39⅜ x 27 9/16	11 13/16 x 39⅜ x 27 9/16	11 13/16 x 55⅛ x 27 9/16	11 13/16 x 55⅛ x 27 9/16
30 5/16 x 35 7/16 x 12⅝	30 5/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

FCQ Series

Round Flow Ceiling Cassette Heat Pump or Cooling Only

Nominal Tons		1.5 Tons
Indoor Model#		FCQ18PAVJU
Outdoor Model# Cooling Only		RZR18PVJU8
Outdoor Model# Heat Pump		RZQ18PVJU8
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER		18.6
EER		13.0
HSPF*		10.1
Power Supply		208/230V/1 Ph
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ½
Condensate Drain	in.	Ø 1¼
Max. Piping Length	ft.	164.0
Max. Piping Height	ft.	98.4
Indoor Dimensions (H x W x D)	in.	$9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$
Outdoor Dimensions (H x W x D)	in.	$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝
Operating Range - Cooling	°F DB	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115
Operating Range - Heating*	°F WB	0 – 60

* Available on Heat Pump models only

Shown with decoration panel BYCP125K-W1

2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons
FCQ24PAVJU	FCQ30PAVJU	FCQ36PAVJU	FCQ42PAVJU
RZR24PVJU8	RZR30PVJU8	RZR36PVJU8	RZR42PVJU8
RZQ24PVJU8	RZQ30PVJU8	RZQ36PVJU8	RZQ42PVJU8
23,800	30,000	36,000	41,500
27,000	33,800	40,000	47,000
18.5	17.2	17.6	17.0
12.0	9.3	11.4	10.2
10.2	10.2	9.0	8.6
208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph
Ø ⅜	Ø ⅜	Ø ⅜	Ø ⅜
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
Ø 1¼	Ø 1¼	Ø 1¼	Ø 1¼
164.0	164.0	229.6	229.6
98.4	98.4	164.0	164.0
$9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$	$9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$	$11^{5}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$	$11^{5}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$
$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝	$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝	$52^{15}/_{16}$ x $35^{7}/_{16}$ x 12⅝	$52^{15}/_{16}$ x $35^{7}/_{16}$ x 12⅝
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

FHQ Series

Ceiling Suspended Single Zone Heat Pump or Cooling Only

Nominal Tons		**1.5 Tons**
Indoor Model#		**FHQ18PVJU**
Outdoor Model# Cooling Only		**RZR18PVJU8**
Outdoor Model# Heat Pump		**RZQ18PVJU8**
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER		18.0
EER		14.0
HSPF*		9.7
Power Supply		208/230V/1 Ph
Liquid Piping Connections (O.D.)	in.	Ø ⅜
Gas Piping Connections (O.D.)	in.	Ø ⅝
Condensate Drain	in.	Ø 1
Max. Piping Length	ft.	164.0
Max. Piping Height	ft.	98.4
Indoor Dimensions (H x W x D)	in.	$7^{11}/_{16}$ x 62⅝ x 26¾
Outdoor Dimensions (H x W x D)	in.	$30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝
Operating Range - Cooling	°F DB	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115
Operating Range - Heating*	°F WB	0 – 60

* Available on Heat Pump models only

SkyAir

2.0 Tons	2.5. Tons	3.0 Tons	3.5 Tons
FHQ24PVJU	FHQ30PVJU	FHQ36MVJU	FHQ42MVJU
RZR24PVJU8	RZR30PVJU8	RZR36PVJU8	RZR42PVJU8
RZQ24PVJU8	RZQ30PVJU8	RZQ36PVJU8	RZQ42PVJU8
23,800	30,000	36,000	39,500
27,000	35,000	37,400	39,500
17.5	16.9	14.0	14.0
12.6	10.1	9.5	8.8
10.0	8.4	8.2	8.2
208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph
Ø ⅜	Ø ⅜	Ø ⅜	Ø ⅜
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
Ø 1	Ø 1	Ø 1	Ø 1
164.0	164.0	229.6	229.6
98.4	98.4	164.0	164.0
7 11/16 x 62⅝ x 26¾	7 11/16 x 62⅝ x 26¾	7 11/16 x 62⅝ x 26¾	7 11/16 x 62⅝ x 26¾
30 5/16 x 35 7/16 x 12⅝	30 5/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

FTQ Series

Inverter Ducted Heat Pump

Nominal Tons		1.5 Tons
Indoor Model#		FTQ18PBVJU
Outdoor Model#		RZQ18PVJU8
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)	BTU/h	20,000
SEER		20.0
EER		14.5
HSPF		12.0
Power Supply		208/230V/1 Ph
External Static Pressure	"W.G.	Up to 0.50
Liquid Piping Connections (O.D.)	in.	Ø ⅜
Gas Piping Connections (O.D.)	ft.	Ø ⅝
Condensate Drain	in.	Ø 1
Max. Piping Length	ft.	98.4
Max. Piping Height	ft.	98.4
Indoor Dimensions (H x W x D)	in.	48⅛ x 22 x 26
Outdoor Dimensions (H x W x D)	in.	30 5/16 x 35 7/16 x 12⅝
Operating Range - Cooling	°F DB	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115
Operating Range - Heating	°F WB	0 – 60

2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons
FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
RZQ24PVJU8	RZQ30PVJU7	RZQ36PVJU8	RZQ42PVJU8
24,000	30,000	36,000	40,000
27,000	34,000	40,000	47,000
19.0	17.6	17.0	16.0
13.5	13.0	12.2	11.0
11.5	9.5	9.5	9.0
208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph	208/230V/1 Ph
Up to 0.50	Up to 0.50	Up to 0.50	Up to 0.50
Ø ⅜	Ø ⅜	Ø ⅜	Ø ⅜
Ø ⅝	Ø ⅝	Ø ⅝	Ø ⅝
Ø 1	Ø 1	Ø 1	Ø 1
98.4	229.6	229.6	229.6
98.4	164.0	164.0	164.0
48⅛ x 22 x 26	58¼ x 22 x 26	58¼ x 22 x 26	58¼ x 22 x 26
30 5/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝	52 15/16 x 35 7/16 x 12⅝
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	-4 – 60	-4 – 60	-4 – 60

Accessories

Item #	Item Description
	Controller Options
BRC7E830	Wireless Remote Control Kit
BRC944B2	Wired Remote Controller
BRCW901A03	Wired Controller Cord - 10 ft.
BRP072A43	Wi-Fi Adaptor
DACA- BRCW901P10	Remote Controller Cable, Plenum Rated, 10 ft.
DACA- BRCW901P25	Remote Controller Cable, Plenum Rated, 25 ft.
KRP980B1	Interface Adapter for BRC944B2-A08 Kit - Part 3 (Required for 09.12 KEVJU)
KRP067A41	Interface Adapter for BRC944B2 (Required for R*N09/12NMVJU & R*09/12NMVJU
KRP980B2	Interface Adapter for BRC944B2 (Required for R*N18/24NMVJU & R*18/24NMVJU
DACA-TS1-1	Daikin ENVi Intelligent Thermostat Kit
	Drain Pan Heaters
KEHO67A41E	Heater for sizes 09 & 12
KEHO63A4E	Heater for sizes 15, 18, 24, & 2-, 3-, & 4-Port Multi-Split Systems
	Filter Replacements
KAF918A44	Air-purifying filter without frame
KAF952B42	Air-purifying filter without frame
KAF974B42S	Air-purifying filter
KAF970A45	Air-purifying filter (15 and 19 Series models)
KAF970A46	Air-purifying filter (15 and 19 Series models)
KAF968B42	Air-purifying filter (FVX floor-standing model)
	Mini-Split Pads - Plastic Pad
EL1838-3	Elite Plastic Pad 18 x 38 x 3
EL2436-3	Elite Plastic Pad 24 x 36 x 3
	Mini-Split Pads - Ultralite - Concrete Based Pad
UC1636-2	Ultralite Pad 16 x 36 x 2
UC2436-2	Ultralite Pad 24 x 36 x 2
UC2436-3	Ultralite Pad 16 x 36 x 3
UC2436-3	Ultralite Pad 24 x 36 x 3
	Mini-Split Pads - Florida Market
H1840-4	N FL Hurricane Pad 18 x 40 x 4 - 150 MPH Zone
H2436-4	N FL Hurricane Pad 24 x 36 x 4 - 150 MPH Zone
HT1840-4	S FL Hurricane Pad 18 x 40 x 4 - 175 MPH Zone
HT2436-4	S FL Hurricane Pad 24 x 36 x 4 - 175 MPH Zone

Accessories *(continued)*

Item #	Item Description
	Optional Air Adjustment Grille
KPW937E4	RX09-12 / RK09-12 RK09-12 / RXL09-12
KPW063A4	RX15-36 / RK18-36
KPW937A4	RXSO9-12
KPW945A4	RXS15-24
KPW5E80	RZR18-42 RZQ18-42 (2 grilles are required for use with sizes 36, 42 and RZQ30PVJU7)
	Ultra Low Ambient Cooling Kit
2F018535-2	RKS36
	Snow Hoods
KPS067A41 / KPS063A41	Side hood for RXL09-12 / RXL15 & 2MXL, 3MXL
KPS067A42 / KPS063A44	Back hood for RXL09-12 / RXL15 & 2MXL, 3MXL
KPS067A44 / KPS063A47	Discharge hood for RXL09-12 / RXL15 & 2MXL, 3MXL
	Wall-Mount Brackets
DACA-WB-4	Wall Condenser Bracket, Powder coat, 300 lb. Capacity (WBB300 - 87738)
DACA-WB-3	Wall Condenser Bracket, Powder coat, 500 lb. Capacity (WBB500 - 87735)
DACA-WB-2	Wall Brackets Kit w/o Bar - 23⅜ X 16½ - 330 lb. cap — SAU
DACA-WB-1	Adj Wall Bracket w/Support Bar - 17¾ X 16½ X 31½ — 242 lb. cap - SAU
	Installation Tools
DACA-FSG-1	Flare Size Gauge
DACA-RBTC-1	Replacement Tubing Cutter Blade
TLTWSM	Torque Wrench Kit w/Lever (METRIC) (Replaces all DACA-TQW series INDIV torque wrenches)
TLTWSAE	Torque Wrench Kit w/Lever: SAE
TLB410AD	Daikin Custom Tool Kit: 22Pcs + Tool Bag
MT2H7P5	R410a Gauges w/ball valve (Replaces - DACA-R410GS-1)
FT800FN	Flaring Tool: Clutch Type Eccentric (Replaces - DACA-CFK-1)
TLDB	Deburring Tool (Replaces DACA-DT-1)
TCT274	HD Tubing Cutter: ⅛ to 1⅜ (Replaces DACA-TC-1)
AD87	Straight Adapter: $^{5}/_{16}$ flare to a ¼ flare (Replaces - DACA-SVA-1)
AD87S	Angled Adapter: 55deg $^{5}/_{16}$ flare to ¼ flare (Replaces DACA-SVA-1)
TLVCS410	Valve Core Remover / Installer Tool w/Side Port
LSFNUT14	Lineset 45Deg Flare Nut: ¼; Pkg 10
LSFNUT38	Lineset 45Deg Flare Nut: ⅜; Pkg 10
LSFNUT12	Lineset 45Deg Flare Nut: ½; Pkg 10
LSFNUT58	Lineset 45Deg Flare Nut: ⅝; Pkg 10

Accessories *(continued)*

Item #	Item Description
Linesets - Non-Flared - White PE Style Rugged Linehide - PDM	
DCTLS14121225	LINESET GEL NF ¼ X ½ X ½, 25ft - NF - White Hide (Replaces LS14121210DMSF, LS14121215DMSF) New
DCTLS14121235	LINESET GEL NF ¼ X ½ X ½, 35ft - NF - White Hide (Replaces LS14121230DMSF) New
DCTLS14121250	LINESET GEL NF ¼ X ½ X ½, 50ft - NF - White Hide (Replaces LS14121250DMSF, LS14121265DMSF, LS141212100DMSF) New
DCTLS14381225	LINESET GEL NF ¼ X ⅜ X ½, 25ft - NF - White Hide
DCTLS14381235	LINESET GEL NF ¼ X ⅜ X ½, 35ft - NF - White Hide
DCTLS14381250	LINESET GEL NF ¼ X ⅜ X ½, 25ft - NF - White Hide
DCTLS14581225	LINESET GEL NF ¼ X ⅝ X ½, 25ft - NF - White Hide
DCTLS14581235	LINESET GEL NF ¼ X ⅝ X ½, 35ft - NF - White Hide
DCTLS14581250	LINESET GEL NF ¼ X ⅝ X ½, 50ft - NF - White Hide
DCTLS38581225	LINESET GEL NF ⅜ X ⅝ X ½, 25ft - NF - White Hide
DCTLS38581235	LINESET GEL NF ⅜ X ⅝ X ½, 35ft - NF - White Hide
DCTLS38581250	LINESET GEL NF ⅜ X ⅝ X ½, 50ft - NF - White Hide
Linesets - Flared - Black Rubber - JMF	
LS14381230DMSF	LS ¼ x ⅜ x ½ x 30 DMS Flared- Black Rubber Insulation
LS14381250DMSF	LS ¼ x ⅜ x ½ x 50 DMS Flared - Black Rubber Insulation
LS14121230DMSF	LS ¼ x ½ x ½ x 30 DMS Flared - Black Rubber Insulation
LS14121250DMSF	LS ¼ x ½ x ½ x 50 DMS Flared - Black Rubber Insulation
LS14121265DMSF	LS ¼ x ½ x ½ x 65 DMS Flared- Black Rubber Insulation
LS14381265DMSF	LS ¼ x ⅜ x ½ x 65 DMS Flared- Black Rubber Insulation
LS14581265DMSF	LS ¼ x ⅝ x ½ x 65 DMS Flared- Black Rubber Insulation
LS38581265DMSF	LS ⅜ x ⅝ x ½ x 65 DMS Flared- Black Rubber Insulation
LS141212100DMSF	LS ¼ x ½ x ½ x 100 DMS Flared- Black Rubber Insulation
LS143812100DMSF	LS ¼ x ⅜ x ½ x 100 DMS Flared- Black Rubber Insulation
LS145812100DMSF	LS ¼ x ⅝ x ½ x 100 DMS Flared- Black Rubber Insulation

Accessories *(continued)*

Line Sets

Model Number	Size (in.)	Length (ft.)	Insulation (in.)
LS14381210DMSF	1/4 x 3/8	10	1/2
LS14381215DMSF	1/4 x 3/8	15	1/2
LS14381230DMSF	1/4 x 3/8	30	1/2
LS14381250DMSF	1/4 x 3/8	50	1/2
LS14381265DMSF	1/4 x 3/8	65	1/2
LS143812100DMSF	1/4 x 3/8	100	1/2
LS14121210DMSF	1/4 x 1/2	10	1/2
LS14121215DMSF	1/4 x 1/2	15	1/2
LS14121230DMSF	1/4 x 1/2	30	1/2
LS14121250DMSF	1/4 x 1/2	50	1/2
LS14121265DMSF	1/4 x 1/2	65	1/2
LS141212100DMSF	1/4 x 1/2	100	1/2
LS14581210DMSF	1/4 x 5/8	10	1/2
LS14581215DMSF	1/4 x 5/8	15	1/2
LS14581230DMSF	1/4 x 5/8	30	1/2
LS14581250DMSF	1/4 x 5/8	50	1/2
LS14581265DMSF	1/4 x 5/8	65	1/2
LS145812100DMSF	1/4 x 5/8	100	1/2

DESIGN & INSTALLATION

Recommended Installation Tools

Make sure to use installation tools that are exclusively used for R-410A installations to withstand the pressure and to prevent foreign materials from mixing into the system.

- ☐ Tool Kit : DACA-99STK-1
- ☐ 1/4"- 5/8" Torque Wrench *
- ☐ Adjustable Wrenches
- ☐ Charge Hose
- ☐ Deburring Tool *
- ☐ Flare Gauge Set *
- ☐ Flaring Block *
- ☐ Gauge Manifold
- ☐ Nitrogen
- ☐ Phillips Screwdriver
- ☐ Tubing Cutter *
- ☐ Vacuum Pump
- ☐ Micron Gauge

(* included in kit)

Compatibility Matrix

Daikin Single and Multi-zone System Compatibility Matrix		Outdoor Unit																												
		Single-Zone Systems																												
		RXN09NMVJU	RXN12NMVJU	RXN18NMVJU	RXN24NMVJU	RKN09NMVJU	RKN12NMVJU	RKN18NMVJU	RKN24NMVJU	RX09NMVJU	RX12NMVJU	RX18NMVJU	RX24NMVJU	RK09NMVJU	RK12NMVJU	RK18NMVJU	RK24NMVJU	RK30NMVJU	RK36NMVJU	RXL09QMVJU	RXL12QMVJU	RXL15QMVJU	RXL18QMVJU	RX09QMVJU	RX12QMVJU	RX15QMVJU	RX18QMVJU
Indoor Unit — Single and Multi-zone Systems	FTXN09NMVJU	●																												
	FTXN12NMVJU		●																											
	FTXN18NMVJU			●																										
	FTXN24NMVJU				●																									
	FTKN09NMVJU					●																								
	FTKN12NMVJU						●																							
	FTKN18NMVJU							●																						
	FTKN24NMVJU								●																					
	FTX09NMVJU									●										●										
	FTX12NMVJU										●										●									
	FTX15NMVJU																					●								
	FTX18NMVJU											●																		
	FTX24NMVJU												●																	
	FTK09NMVJU													●																
	FTK12NMVJU														●															
	FTK18NMVJU															●														
	FTK24NMVJU																●													
	FTXS09LVJU																													
	FTXS12LVJU																													
	FTXS15LVJU																													
	FTXS18LVJU																													
	FTXS24LVJU																													
	FTXS30LVJU																													
	FTXS36LVJU																													
	FTXG09HVJU																													
	FTXG12HVJU																													
	FTXG15HVJU																													
	FDXS09LVJU																													
	FDXS12LVJU																													
	FVXS09QMVJU																			●										
	FVXS12QMVJU																				●									
	FVXS15QMVJU																					●								
	FVXS18QMVJU																						●							
	FFQ09Q2VJU																							●						
	FFQ12Q2VJU																								●					
	FFQ15Q2VJU																									●				
	FFQ18Q2VJU*																										●			
	FTX30NVJU																	●												
	FTX36NVJU																		●											
	CTXG09QVJU(W/S)																													
	CTXG12QVJU(W/S)																													
	CTXG18QVJU(W/S)																													
	CTXS07LVJU																													
	CDXS15LVJU																													
	CDXS18LVJU																													
	CDXS24LVJU																													
Indoor Unit — Sky/Air Systems	FAQ_PVJU																													
	FBQ_PVJU																													
	FCQ_PAVJU																													
	FHQ_MVJU																													
	FHQ_PVJU																													
	FHQ_PBVJU																													

DAIKIN

* Available in Spring 2017

Outdoor Unit																			
Single-Zone Systems												SkyAir		Multi-Zone Systems					
RXG09LVJU	RXG12LVJU	RXG15LVJU	RXS09LVJU	RXS12LVJU	RXS15LVJU	RXS18LVJU	RXS24LVJU	RX30NMVJU	RX36NMVJU	RKS30LVJU	RKS36LVJU	RZQ__PVJU (7/8)	RZR__PVJU8	2MXL18QMVJU	3MXL24QMVJU	2MXS18NMVJU	3MXS24NMVJU	4MXS36NMVJU	RMXS48LVJU
		•												•	•	•	•	•	•
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PRODUCT

SELLING TIPS

SPECIFICATIONS & ACCESSORIES

DESIGN & INSTALLATION

Multi-Zone Combination Table

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.

The total indoor unit class that can be connected to this unit:

2MXL18* – Up to 24,000 Btu/h

2MXS18* – Up to 24,000 Btu/h

3MXL24* – Up to 39,000 Btu/h

3MXS24* – Up to 39,000 Btu/h

4MXS36* – Up to 48,000 Btu/h

The line set piping size is determined by the size of the indoor unit fittings. Reducers are used at the outdoor unit to accommodate the correct gas line pipe size.

Port	2MX*18*	3MX*24*	4MXS36*
A	07, 09, 12	07, 09, 12	07, 09, 12
B	# # # 07 09 12 15	# # # 07 09 12 15 18	# # # 07 09 12 15 18
C	———	# # # 07 09 12 15 18	# # # 07 09 12 15 18
D	———	———	▲ ▲ ▲ ■ ■ 07 09 12 15 18 24

●	Use a reducer to connect pipes.
#	Use No. 2 and 4 reducers
▲	Use No. 5 and 6 reducers
■	Use No. 1 and 3 reducers

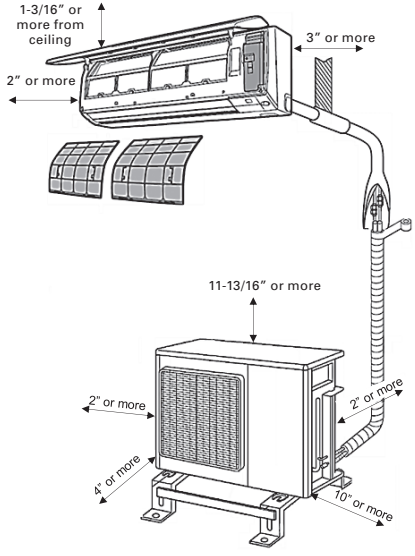
Controls Compatibility Matrix

		Single Zone Systems										Optional Controls							
		ARC480A6	ARC480A7	ARC480A8	ARC480A9	ARC452A21	ARC452A23	ARC447A3	ARC466A21	ARC466A36	ARC466A37	BRP072A43	BRC944B2	DACA-TS1-1	BRC1E73	BRC2A71	BRC082A42W	BRC082A42S	KRCS01-4B
Single and Multi-Zone Systems	FTXN__NMVJU	•										•	•	•					
	FTKN__NMVJU		•									•	•	•					
	FTX__NMVJU			•								•	•	•					
	FTK__NMVJU				•							•	•	•					
	FDXS__LVJU						•					•	•	•					
	FTXG__HVJU							•				•	•	•					
	FVXS__Q2VJU								•			•	•	•					
	FTX__NMVJU			•								•	•	•					
	FFQ__Q2VJU														•	•	•	•	•
	CTXG__QVJU(W/S)									•		•	•	•					
	CTXS__LVJU							•				•	•	•					
	FDXS__LVJU						•					•	•	•					
	CDXS__LVJU						•					•	•	•					
	FVXS__Q2VJU								•			•	•	•					
	FTX_NVJU										•								
	FTXS__LVJU					•						•	•	•					
Sky Air Systems	FAQ_PVJU														•	•	•	•	•
	FBQ_PVJU														•	•	•	•	•
	FCQ__PAVJU														•	•	•	•	•
	FHQ_PVJU														•	•	•	•	•
	FTQ_PBVJU														•	•	•	•	•

System Clearances

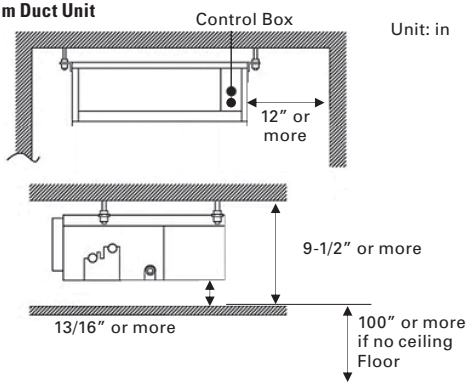
Single and Multi-Zone Systems

The **minimum** required system clearances for split systems are shown below. Refer to installation manual for installation patterns and exact minimum clearances by model.



Slim Duct Unit

Unit: in

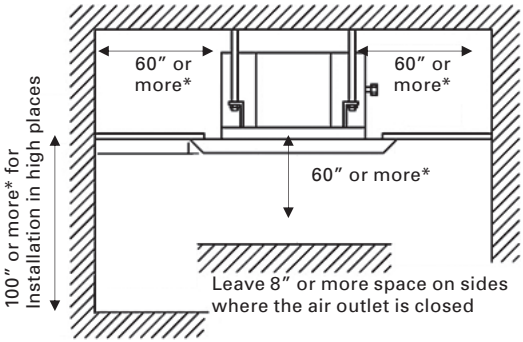


System Clearances

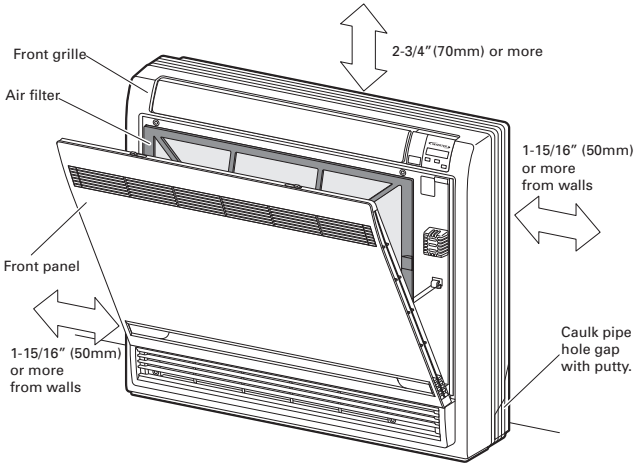
Single and Multi-Zone Systems

Indoor Units

Daikin VISTA™ Series Ceiling Cassette



Floor-Standing

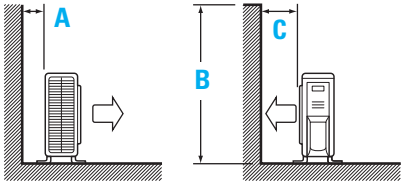


System Clearances

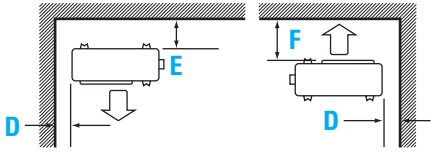
Single and Multi-Zone Systems

Outdoor Units – RXS, RXG/FTG, MXS Series

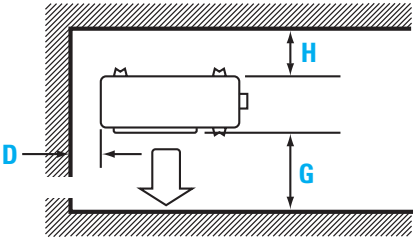
Side View (Single Obstruction)



Top View (Two Obstructions)



Top View (Three Obstructions)

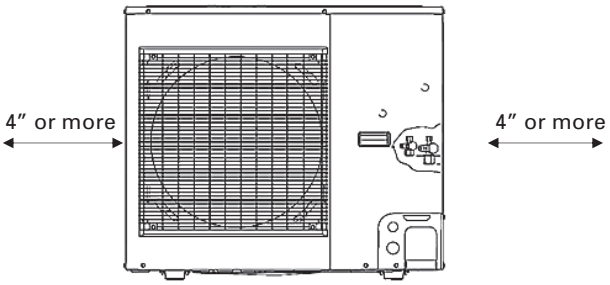


MODEL	A	B	C	D	E	F	G	H
RXS09/12LVJU, RX(K)(N)09/12NMVJU, RXL09/12QMVJU	>1 5/16	>47 1/4	>3 15/16	>1 15/16	>3 15/16	>5 7/8	>11 13/16	>5 7/8
RX(K)S15/18/24/30/36L(N)VJU, RX(K)(N)18/24NMVJU, RXL15QMVJU	>3 15/16	>47 1/4	>13 3/4	>1 15/16	>3 15/16	>13 3/4	>13 3/4	>13 15/16
RXG	>1 5/16	>47 3/16	>3 15/16	>1 15/16	>3 15/16	>5 7/8	>11 13/16	>5 7/8
2, 3 & 4MXS_NMVJU, 2&3MXL_QMVJU	>3 15/16	>47 3/16	>13 3/4	>1 15/16	>3 15/16	>13 3/4	>13 3/4	>3 15/16

System Clearances

Outdoor Units – RZR/RZQ

The **minimum** required system clearances for SkyAir outdoor units are shown below. Refer to installation manual for installation patterns and exact minimum clearances by model.

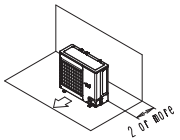


INSTALLATION SERVICE SPACE

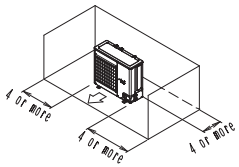
STAND-ALONE INSTALLATION (The measure of these values is "in".)

No obstacle above

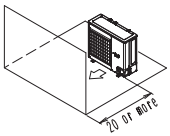
(1)Obstacle on the suction side only



(2)Obstacle on both sides and suction side, too

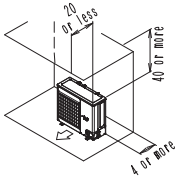


(3)Obstacle on the discharge side only

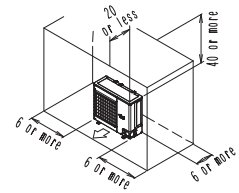


Obstacle above, too

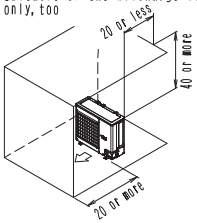
(1)Obstacle on the suction side, too



(2)Obstacle on both sides and suction side, too



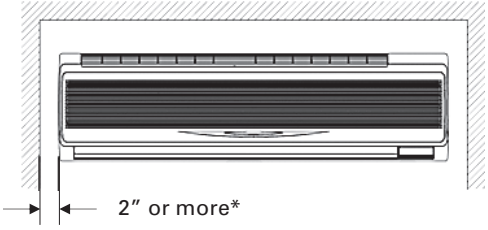
(3)Obstacle on the discharge side only, too



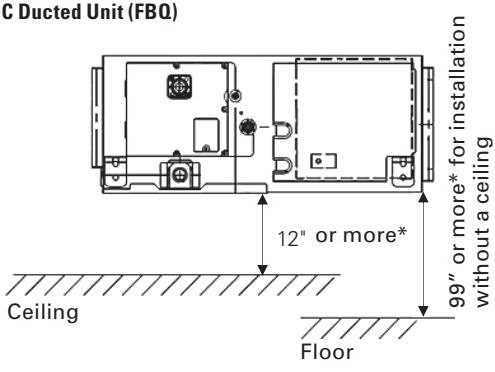
System Clearances

Indoor Units

Wall-Mounted Unit (FAQ)



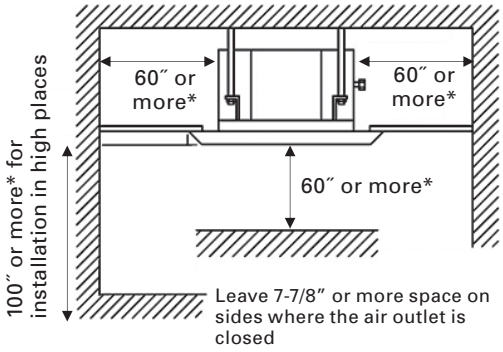
DC Ducted Unit (FBQ)



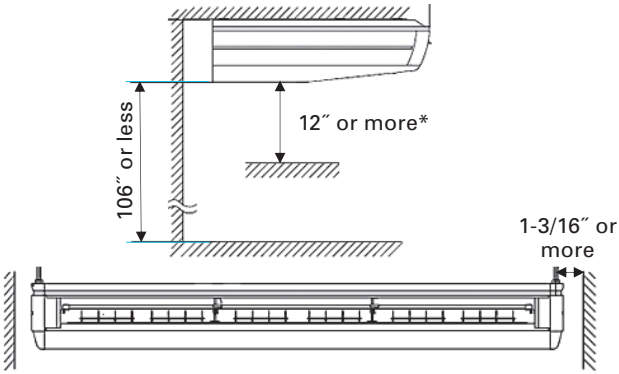
System Clearances

Indoor Units

3'X 3' Ceiling Cassette (FCQ)



Ceiling Suspended (FHQ)

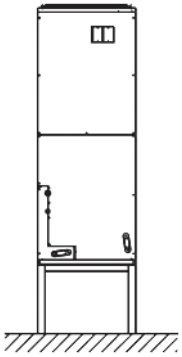


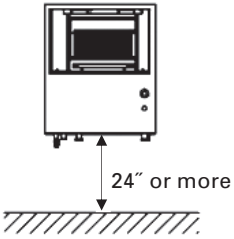
System Clearances

Indoor Units

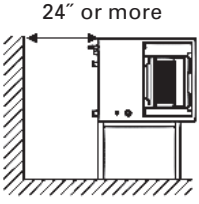
Inverter Ducted (FTQ)

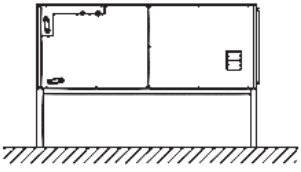
Vertical Installation





Horizontal Installation





Electrical Requirements

Indoor Unit	Outdoor Unit	Minimum Circuit (A)	Max. Overcurrent Protection (A)
15 Series			
FTXN09NMVJU	RXN09NMVJU	10.1	15
FTXN12NMVJU	RXN12NMVJU	10.1	15
FTXN18NMVJU	RXN18NMVJU	13.3	15
FTXN24NMVJU	RXN24NMVJU	18.3	20
FTKN09NMVJU	RKN09NMVJU	7.9	15
FTKN12NMVJU	RKN12NMVJU	8.6	15
FTKN18NMVJU	RKN18NMVJU	9.5	15
FTKN24NMVJU	RKN24NMVJU	18.3	20
19 Series			
FTX09NMVJU	RX09NMVJU	12.1	15
FTX12NMVJU	RX12NMVJU	12.2	15
FTX18NMVJU	RX18NMVJU	18.3	20
FTX24NMVJU	RX24NMVJU	18.3	20
FTK09NMVJU	RK09NMVJU	12.1	15
FTK12NMVJU	RK12NMVJU	12.2	15
FTK18NMVJU	RK18NMVJU	18.3	20
FTK24NMVJU	RK24NMVJU	18.3	20
Daikin AURORA™ Single Zone Series			
FTX09NMVJU FVXS09NVJU	RXL09QMVJU	9.5	15
FTX12NMVJU FVXS12NVJU	RXL12QMVJU	13.0	15
FTX15NMVJU FVXS15NVJU	RXL15QMVJU	13.0	15
LV Series			
FTXS09LVJU	RXS09LVJU	8.0	15
FTXS12LVJU	RXS12LVJU	8.8	15
FTXS15LVJU	RXS15LVJU	13.75	20
FTXS18LVJU	RXS18LVJU	13.75	20
FTXS24LVJU	RXS24LVJU	17.5	20
FDXS09LVJU	RXS09LVJU	8.0	15
FDXS12LVJU	RXS12LVJU	8.8	15
Quaternity™ Series			
FTXG09HVJU	RXG09HVJU	14.5	15
FTXG12HVJU	RXG12HVJU	14.5	15
FTXG15HVJU	RXG15HVJU	14.5	15
Daikin VISTA™ Series			
FFQ09Q2VJU	RX09QMVJU	8.6	15
FFQ12Q2VJU	RX12QMVJU	8.6	15
FFQ15Q2VJU	RX15QMVJU	9.1	15
FFQ18Q2VJU	RX18QMVJU	12	15
NV Series/LV 30-36			
FTX30NVJU	RK30NMVJU	17	20
FTX36NVJU	RK36NMVJU	17	20
FTX30NVJU	RX30NMVJU	19.8	20
FTX36NVJU	RK30NMVJU	19.8	20
FTXS30LVJU	RKS30LVJU	19.5	20
FTXS36LVJU	RKS36LVJU	19.5	20
Multi-Zone Systems			
	2MXL18QMVJU	17.1	20
	2MXS18NMVJU	15.8	20
	3MXL24QMVJU	19.5	20
	3MXS24NMVJU	18.7	20
	4MXS36NMVJU	19.75	20
	RMXS48LVJU	27.0	30

Electrical Requirements

Outdoor Unit			
Heat Pump	Cooling Only	MCA (A)	MOCP (A)
RZQ18PVJU8	RZR18PVJU8	16.5	20
RZQ24PVJU8	RZR24PVJU8	16.5	20
RZQ30PVJU8	RZR30PVJU8	16.5	20
RZQ30PVJU7		27	30
RZQ36PVJU8	RZR36PVJU8	27	30
RZQ42PVJU8	RZR42PVJU8	27	30

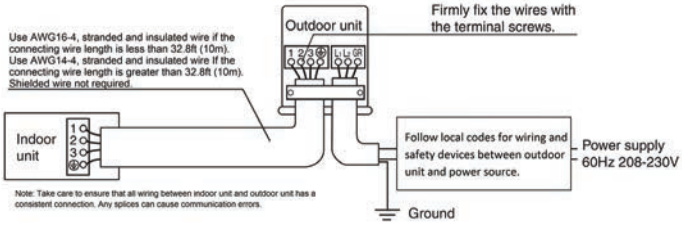
Indoor Unit		
Model Number	MCA (A)	MOCP (A)
FAQ18PVJU	0.4	15
FAQ24PVJU	0.6	15
FBQ18PVJU	1.6	15
FBQ24PVJU	1.8	15
FBQ30PVJU	2.3	15
FBQ36PVJU	2.9	15
FBQ42PVJU	3.4	15
FCQ18PAVJU	0.4	15
FCQ24PAVJU	0.5	15
FCQ30PAVJU	0.6	15
FCQ36PAVJU	1.4	15
FCQ42PAVJU	1.5	15
FHQ18PVJU	1.3	15
FHQ24PVJU	1.3	15
FHQ30PVJU	1.3	15
FHQ36MVJU	1.4	15
FHQ42MVJU	1.4	15
FTQ18PBVJU	1.5	15
FTQ24PBVJU	1.6	15
FTQ30PBVJU	2.3	15
FTQ36PBVJU	2.8	15
FTQ42PBVJU	3.6	15

⚠WARNING – HIGH VOLTAGE
DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT.
FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

Single-Zone Split Systems (RK, RX, RKN, RXN, RXL, RXS, RXG) Wiring Procedure

Do not turn on the safety breaker until all work is completed.

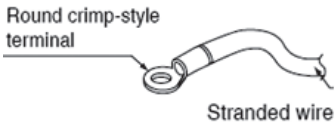
1. Strip the insulation from the wire (¾ inch (20mm).
2. Connect the connection wires between the indoor and outdoor units so that the terminal numbers match. Tighten the terminal screws securely. We recommend a flathead screwdriver be used.

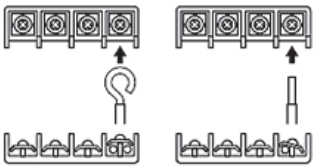


For stranded wires, make sure to install the round crimp-style terminals on the tip.

Place the round crimp-style terminals on the wires up to the covered part and secure.

When connecting the connection wires to the terminal block using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.



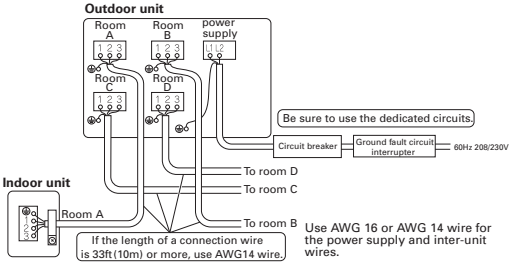


Stripping wire at terminal block: ◯ Correct X Wrong

⚠WARNING – High Voltage
DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT.
FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

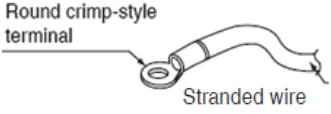
Multi-Zone Split Systems (2MXL , 2MXS, 3MXL , 3MXS, 4MXS) Wiring Procedure

1. Strip the insulation from the wire (¾ inch) (20mm).
2. Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match.** Tighten the terminal screws securely. We recommend a flathead screwdriver be used.
3. **Be sure to match the symbols for wiring and piping.**
4. Pull the wire lightly to make sure that it does not disconnect.
5. Pass the wiring through the cutout on the bottom of the protection plate.
6. After completing the work, reattach the service lid to its original position.

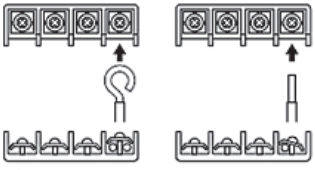


In case using stranded wires is unavoidable, make sure to install the round crimp-style terminals on the tip.

Place the round crimp-style terminals on the wires up to the covered part and secure.



Perform curling when using a single core wire.



Stripping wire at terminal block

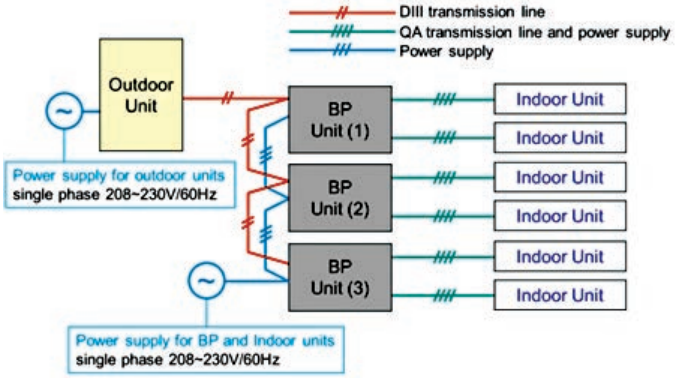
Wiring

⚠WARNING – HIGH VOLTAGE

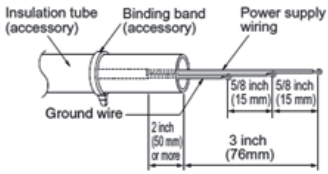
DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

8-Zone Multi-Split System (RMXS)

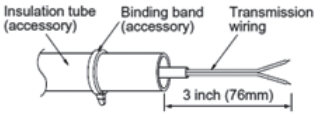
The outdoor unit and BP units operate from separate 208/230V single-phase power supplies. Indoor units are powered from the BP unit and wired as Daikin's current 4-wire single split systems reducing the wiring size and easing installation.



Power Supply Wiring



Transmission Wiring



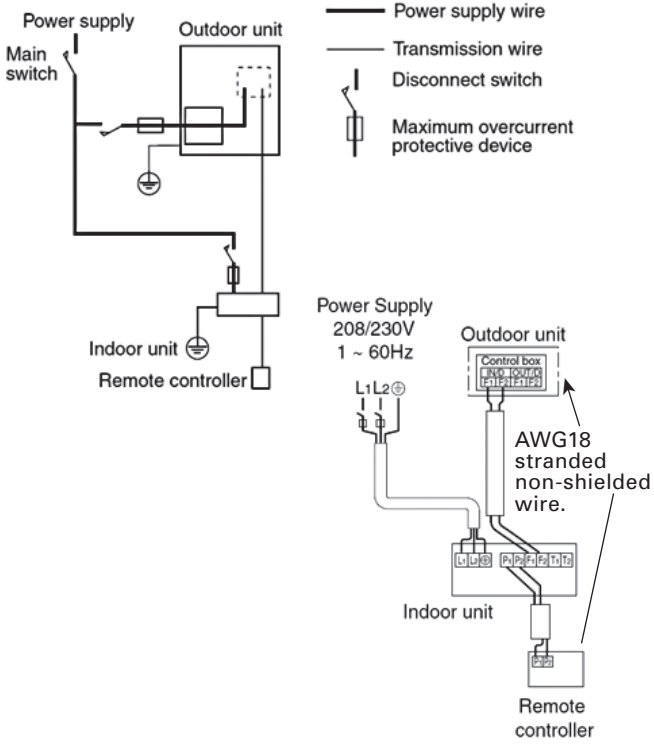
Refer to the installation manual for more detailed instructions.

⚠ WARNING – HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT.
FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

SkyAir RZQ, RZR Systems

Complete System Example



* Refer to each system Installation Manual for detailed wiring instructions.

Piping Lengths

Single and Multi-Zone Systems

Outdoor Unit	Min Length (ft.)	Max Length (ft.)	Max Height (ft.)	Chargeless* (ft.)
15 Series				
9 & 12 MBH	4.92	49.2	39.3	32.8
18 & 24 MBH	4.92	98.4	65.6	32.8
19 Series, LV Series, Daikin AURORA™ Single Zone Series, VISTA™ Single Zone Series, NV Series, LV 30/36				
9 & 12 MBH	4.92	65.6	49.2	32.8
15, 18, 24, 30, 36 MBH	4.92	98.4	65.6	32.8
Additional refrigerant required for refrigerant pipe exceeding 32.8 ft. Charge additional refrigerant at **0.22 oz/ft.**				
Quaternity™				
9 MBH	4.92	32.8	26.2	-
12 MBH	4.92	32.8	26.2	-
15 MBH	4.92	32.8	26.2	-
Multi-Zone MXS Series and Daikin AURORA™ Series				
2MXL18QMVJU	4.92	164.0	49.2	98.4
2MXS18NMVJU	4.92	164.0	49.2	98.4
3MXL24QMVJU	4.92	229.6	49.2	131.6
3MXS24NMVJU	4.92	229.6	49.2	131.6
4MXS36NMVJU	4.92	229.6	49.2	131.6
RMXS48LVJU**	16.9	N/A	N/A	N/A
Additional refrigerant required for refrigerant pipe exceeding the chargeless amount listed above. Charge additional refrigerant at **0.22 oz/ft.** Refer to the installation manual for piping rules for the RMXS48LVJU**.				

* Chargeless piping is the length of refrigerant piping between an indoor and outdoor unit that is pre-charged with refrigerant. Refer to the installation manual if installation requires longer piping length.

Piping Lengths

Indoor Unit	Max Length (ft.)	Max Height (ft.)	Factory Charge (lbs.)	FTQ Additional Charge (lbs.)
FAQ, FBQ, FCQ, FHQ & RZQ_RZR				
18 MBH	164.0	98.4	5.1	–
24 MBH	164.0	98.4	5.1	–
30 MBH	164.0	164.0	5.1	–
36 MBH	229.6	164.0	8.8	–
42 MBH	229.6	164.0	8.8	–
Charge additional refrigerant at **liquid piping length (ft.) x 0.36.**				
FTQ & RZQ				
18 MBH	98.4	98.4	5.1	0.35
24 MBH	98.4	98.4	5.1	0.35
30 MBH	229.6	164.0	8.8	1.31
36 MBH	229.6	164.0	8.8	1.31
42 MBH	229.6	164.0	8.8	3.0
Charge additional refrigerant at **liquid piping length (ft) x 0.36 + additional charge from chart.**				

* Chargeless piping is the length of refrigerant piping between an indoor and outdoor unit that is pre-charged with refrigerant. Refer to the installation manual if installation requires longer piping length.

Piping Sizes

Single and Multi-Zone Systems

Indoor Unit	Outdoor Unit	Liquid (in)	Gas (in)
15 Series			
FTXN09NMVJU	RXN09NMVJU	Ø 1/4	Ø 3/8
FTXN12NMVJU	RXN12NMVJU	Ø 1/4	Ø 3/8
FTXN18NMVJU	RXN18NMVJU	Ø 1/4	Ø 1/2
FTXN24NMVJU	RXN24NMVJU	Ø 1/4	Ø 5/8
FTKN09NMVJU	RKN09NMVJU	Ø 1/4	Ø 3/8
FTKN12NMVJU	RKN12NMVJU	Ø 1/4	Ø 3/8
FTKN18NMVJU	RKN18NMVJU	Ø 1/4	Ø 1/2
FTKN24NMVJU	RKN24NMVJU	Ø 1/4	Ø 5/8
19 Series			
FTX09NMVJU	RX09NMVJU	Ø 1/4	Ø 3/8
FTX12NMVJU	RX12NMVJU	Ø 1/4	Ø 3/8
FTX18NMVJU	RX18NMVJU	Ø 1/4	Ø 1/2
FTX24NMVJU	RX24NMVJU	Ø 1/4	Ø 5/8
FTK09NMVJU	RK09NMVJU	Ø 1/4	Ø 3/8
FTK12NMVJU	RK12NMVJU	Ø 1/4	Ø 3/8
FTK18NMVJU	RK18NMVJU	Ø 1/4	Ø 1/2
FTK24NMVJU	RK24NMVJU	Ø 1/4	Ø 5/8
Daikin AURORA™ Single Zone Series			
FTX09NMVJU / FVXS09NVJU	RXL09QMVJU	Ø 1/4	Ø 3/8
FTX12NMVJU / FVXS12NVJU	RXL12QMVJU	Ø 1/4	Ø 3/8
FTX15NMVJU / FVXS15NVJU	RXL15QMVJU	Ø 1/4	Ø 1/2
LV Series			
FTXS09LVJU	RXS09LVJU	Ø 1/4	Ø 3/8
FTXS12LVJU	RXS12LVJU	Ø 1/4	Ø 3/8
FTXS15LVJU	RXS15LVJU	Ø 1/4	Ø 1/2
FTXS18LVJU	RXS18LVJU	Ø 1/4	Ø 1/2
FTXS24LVJU	RXS24LVJU	Ø 1/4	Ø 5/8
FDXS09LVJU	RXS09LVJU	Ø 1/4	Ø 3/8
FDXS12LVJU	RXS12LVJU	Ø 1/4	Ø 3/8
Quaternity™ Series			
FTXG09HVJU	RXG09HVJU	Ø 1/4	Ø 3/8
FTXG12HVJU	RXG12HVJU	Ø 1/4	Ø 3/8
FTXG15HVJU	RXG15HVJU	Ø 1/4	Ø 3/8
Daikin VISTA™ Series			
FFQ09Q2VJU	RX09QMVJU	Ø 1/4	Ø 3/8
FFQ12Q2VJU	RX12QMVJU	Ø 1/4	Ø 3/8
FFQ15Q2VJU	RX15QMVJU	Ø 1/4	Ø 1/2
NV SERIES/LV Series 30-36			
FTX30NVJU	RK30NMVJU	Ø 1/4	Ø 5/8
FTX36NVJU	RK36NMVJU	Ø 1/4	Ø 5/8
FTX30NVJU	RX30NMVJU	Ø 1/4	Ø 5/8
FTX36NVJU	RK30NMVJU	Ø 1/4	Ø 5/8
FTXS30LVJU	RKS30LVJU	Ø 3/8	Ø 5/8
FTXS36LVJU	RKS36LVJU	Ø 3/8	Ø 5/8
MXS/MXL SERIES			
	2MXS/MXL18NMVJU	Ø 1/4 (2)	Ø 3/8 (1) / Ø 1/2 (1)
	3MXS/MXL24NMVJU	Ø 1/4 (3)	Ø 3/8 (1) / Ø 1/2 (2)
	4MXS36NMVJU	Ø 1/4 (4)	Ø 3/8 (1) / Ø 1/2 (2) Ø 5/8 (1)
	RMXS48LVJU	Ø 3/8	Ø 3/4

Piping Sizes

Outdoor Unit			
Heat Pump	Cooling Only	Liquid (in)	Gas (in)
RZQ	RZR	Ø 3/8	Ø 5/8

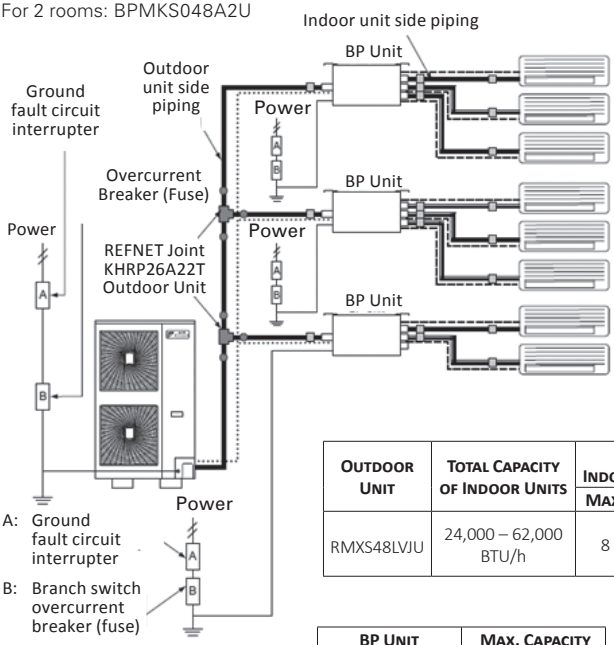
Indoor Unit		
Model #	Liquid (in)	Gas (in)
FAQ18PVJU*	Ø 3/8	Ø 5/8
FAQ24PVJU	Ø 3/8	Ø 5/8
FBQ18PVJU*	Ø 1/4	Ø 1/2
FBQ24PVJU	Ø 3/8	Ø 5/8
FBQ30PVJU	Ø 3/8	Ø 5/8
FBQ36PVJU	Ø 3/8	Ø 5/8
FBQ42PVJU	Ø 3/8	Ø 5/8
FCQ18PAVJU*	Ø 1/4	Ø 1/2
FCQ24PAVJU	Ø 3/8	Ø 5/8
FCQ30PAVJU	Ø 3/8	Ø 5/8
FCQ36PAVJU	Ø 3/8	Ø 5/8
FCQ42PAVJU	Ø 3/8	Ø 5/8
FHQ18PVJU	Ø 3/8	Ø 5/8
FHQ24PVJU	Ø 3/8	Ø 5/8
FHQ30PVJU	Ø 3/8	Ø 5/8
FHQ36MVJU	Ø 3/8	Ø 5/8
FHQ42MVJU	Ø 3/8	Ø 5/8
FTQ18PBVJU	Ø 3/8	Ø 5/8
FTQ24PBVJU	Ø 3/8	Ø 5/8
FTQ30PBVJU	Ø 3/8	Ø 5/8
FTQ36PBVJU	Ø 3/8	Ø 5/8
FTQ42PBVJU	Ø 3/8	Ø 5/8

*See service bulletin for additional details

System Layout

BP Unit model

For 3 rooms: BPMKS049A3U
For 2 rooms: BPMKS048A2U



Outdoor Unit	Total Capacity of Indoor Units	# of Indoor Units	
		Max.	Min.
RMXS48LVJU	24,000 – 62,000 BTU/h	8	2

BP Unit	Max. Capacity
BPMKS048A2U	48,000 BTU/h
BPMKS049A3U	62,000 BTU/h

Power supply line (3 wires) (60 Hz 208/230V)

Transmission line (2 wires)

Power supply and transmission line (4 wires)

Piping

Brazing connection

Flare connection

Piping Requirements			
Maximum allowable length	Between outdoor and BP units	Total piping length	Pipe length between outdoor and BP units ≤ 180 ft.
	Between BP and IU	Total piping length	Piping length between BP and indoor units: 262 ft.
	Between BP and IU	1 room length	Piping length between BP and indoor unit ≤ 49 ft.
Allowable height	Between outdoor and IU	Difference in height	Difference in height between outdoor and indoor units ≤ 98 ft.
	Between outdoor and BP units	Difference in height	Difference in height between outdoor and indoor units ≤ 98 ft.
	Between BP and BP units	Difference in height	Difference in height between BP and BP units ≤ 49 ft.
	Between IU and IU	Difference in height	Difference in height between indoor and indoor units ≤ 49 ft.
Minimum allowable length			Pipe length between outdoor unit and first refrigerant branch kit (REFNET joint) ≥ 16.4 ft.
Allowable length after the branch			Less than 131 ft from first refrigerant branch kit (REFNET joint) to indoor unit
Refrigerant branch kit selection refrigerant branch kits can only be used with R410A			Refrigerant branch kit (REFNET joint) name: KHRP26A22T
Pipe size selection Outer diameter (gas x liquid)			Between outdoor unit and first refrigerant branch kit: 3/4 x 3/8
			Total connected indoor capacity >17000 BTU: 5/8 x 3/8
How to calculate the additional refrigerant to be charged: Additional refrigerant to be charged R (lb. /kg). R should be rounded off in units of 0.1 lb. (0.1kg).			(Total length (ft. / m) of liquid piping size at 3/8 inch) x 0.036 lb./ft + (Total length (ft. / m) of liquid piping size at 1/4 inch) x 0.015 lb./ft

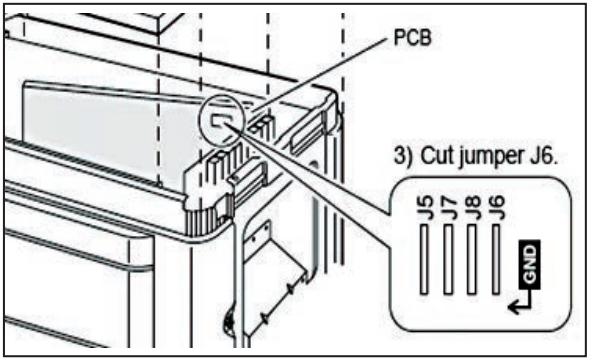
Low Ambient Cooling Operation

⚠WARNING – HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

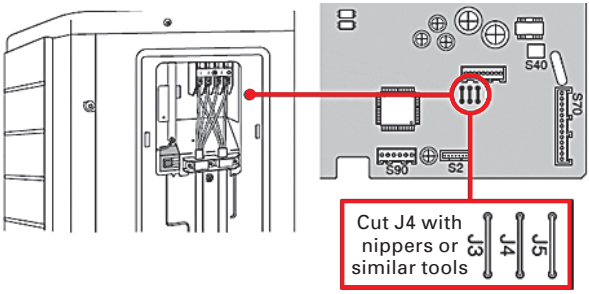
RK09-24 NMVJU, RX09-24 NMVJU, RXL09-15QMVJU

Cutting jumper 6 (J6) on the circuit board will expand the operation range down to 5°F (–15° CDB). However it will stop if the outdoor temperature drops below –4°F (–20°C) and start back up once the temperature rises again.



RXS09, 12LVJU

Cutting jumper 4 (J4) on the circuit board will expand the operation range down to 14°F (–10°C). However it will stop if the outdoor temperature drops below –0.4°F (–18°C) and start back up once the temperature rises again.



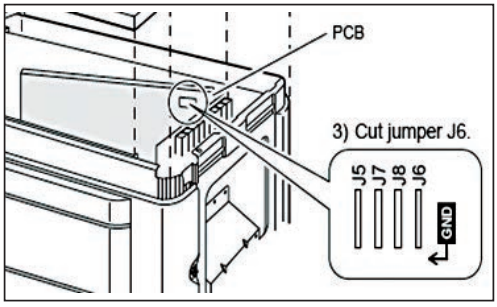
Low Ambient Cooling Operation

⚠WARNING – HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

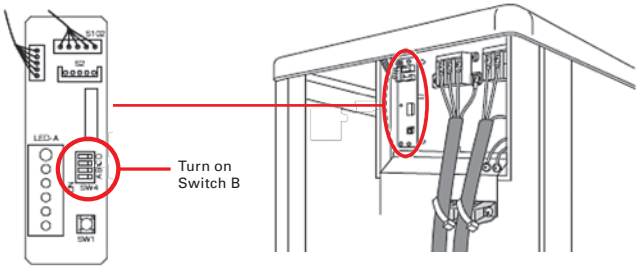
RXS15, 18LVJU

Cutting jumper 6 (J6) on the circuit board will expand the operation range down to 14°F (–10°C). However it will stop if the outdoor temperature drops below –0.4°F (–18°C) and start back up once the temperature rises again.



RXS24, 30, 36LVJU

You can expand the operation range to 14°F (–10°C) by turning on switch B (SW4) on the PCB. If the outdoor temperature falls to –0.4°F (–18°C) or lower, the operation will stop. If the outdoor temperature rises, the operation will start again.



Ultra-Low Ambient Operation

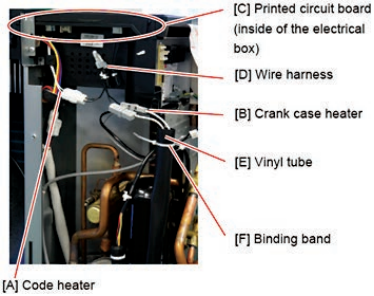
⚠WARNING – HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

For RKS30, 36LVJU Systems
(P/N 2F018535-1 (RKS30) and 2F018535-2 (RKS36))

Installation of the Ultra Low Ambient Kit extends cooling operation down to – 40 °FDB. Refer to Installation Manual for full illustrative, step-by-step instructions.

1. Remove the top plate, right side plate, and front plates.
2. Turn on the facility setting switch by turning on Switch B (SW4) on the printed circuit board.
3. Attach the crank case heater to the compressor.
4. Attach the vinyl tube to the crank case heater.
5. Remove the electrical box and printed circuit board.
6. Attach the code heater.
7. Replace the printed circuit board.
8. Connect the wire harness to each heater's harness.
9. Affix the identification label and electrical wiring diagram label to the right side of the plate.
10. Reattach the top plate, right side plate, and front plates.
11. Check whether the unit is properly operating by conducting the forced cooling operation.



	INDOOR		OUTDOOR		
	EWB	EDB	-40 (°FDB)		
	°F	°F	TC	SHC	PI
30 MBH	57.2	68.0	21.70	16.92	0.46
36 MBH	57.2	68.0	22.41	17.47	0.50

Trial Operation and Testing

For CTXG, CTXS, FTXS, CDXS, FDXS, FVXS Series

From Indoor Unit

1. Turn power on to outdoor unit and measure the supply voltage. Make sure it falls in the specified range.
2. Trial operation should be carried out in either cooling or heating mode.
   - In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
   - After trial operation is complete, set the temperature to a normal level (78 °F to 82 °F in cooling mode, 68 °F to 75 °F in heating mode).
   - For protection, the system disables restart operation for three minutes after it is turned off.
3. Carry out the test operation in accordance with the operation manual to ensure all functions and parts are working properly.

From Remote Controller

1. Press "ON/OFF" button to turn on the system.
2. Press "TEMP" button (2 locations) and "MODE" button at the same time.
3. Press "MODE" button twice.
4. ("7– " will appear on the display to indicate that trial operation mode is selected)
5. Trial operation terminates in approximately 30 minutes and switches into normal mode. To quit a trial operation, press "ON/OFF" button.

Trial Operation and Testing

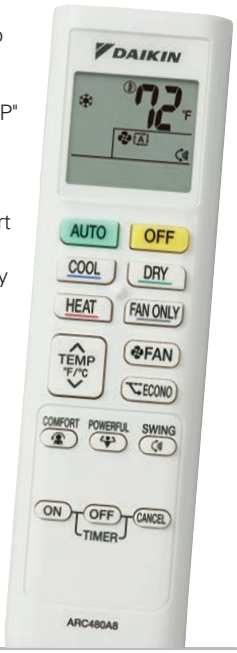
For FTX(K)N, FTX(K) Series

From Indoor Unit

1. Turn power on to outdoor unit and measure the supply voltage. Make sure it falls in the specified range.
2. Trial operation should be carried out in either cooling or heating mode.
   - In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
   - After trial operation is complete, set the temperature to a normal level (78 °F to 82 °F in cooling mode, 68 °F to 75 °F in heating mode).
   - For protection, the system disables restart operation for three minutes after it is turned off.

From Remote Controller

1. Press the center of the “TEMP” button to turn and the "OFF" button on the remote controller at the same time.
2. Select “7-“ (trial operation) with the "TEMP" ⋀ or "TEMP" ⋁ button.
3. Press the "FAN" button to enter the trial operation mode.
4. Press the "COOL" or "HEAT" button to start trial operation.
5. Trial operation terminates in approximately 30 minutes and switches into normal mode. To quit trial operation, press "OFF" button.



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