

Single and Multi-Zone Systems Reference Guide





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
I N 1 9 2 4

WARRANTIES

Single and Multi-Zone Systems [†]		SkyAir ^{††}
15 Series	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



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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ENERGY-INTELLIGENT™ TECHNOLOGY 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 OF THE DAIKIN SYSTEM

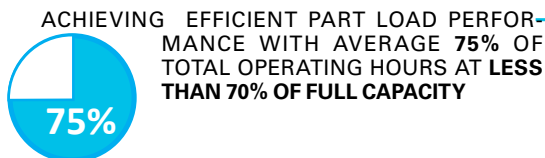
The inverter compressor is the heart of a Daikin system and maximizes energy savings* and provides absolute comfort while only providing the energy needed to heat or cool a space.

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 PERFOR-
MANCE 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



DAIKIN
AIR INTELLIGENCE™

PRODUCT



Wall-Mounted

Single and Multi-Zone Models

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



- 15 SEER | 8.2 HSPF
- Quiet operation as low as 19 dB(A)

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



- Up to 19 SEER | 9.0 HSPF
- Quiet operation as low as 19 dB(A)
- Low ambient cooling down to -4°F*
- Low ambient heat operation down to -4°F**

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



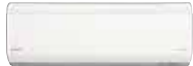
- 20 SEER | Up to 12.5 HSPF
- Quiet operation as low as 19 dB(A)
- Low ambient cooling down to -4°F*
- Low ambient heat operation down to -13°F**

LV Series | FTXS | 9,000 - 36,000 BTU/h (Heat Pump)



- Up to 24.5 SEER | Up to 12.5 HSPF
- Intelligent Eye occupancy sensor
- Weekly timer for programmable comfort
- Low ambient heat operation down to 0°F*
- Low ambient cooling kit available

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



- Up to 26.1 SEER | Up to 11.0 HSPF
- Low ambient heating operation down to -4°F
- Dehumidifying to a preset relative setting
- Integrated air cleaner

SkyAir | FAQ | 18,000 - 36,000 BTU/h (Heat Pump or Cooling Only)



- Up to 18.6 SEER | Up to 8.7 HSPF
- Vertical auto-swing function
- Removable front panel for easy cleaning
- Washable filters

Daikin EMURA™ Wall-Mounted | CTXG | 9,000 - 22,500 BTU/h (Heat Pump)



NEW!

- Up to 18.9 SEER | Up to 12.5 HSPF
- Stylish silver or pure matte white finish
- 14 to 115°F for cooling and -13 to 75°F for heating
- Titanium apatite photo-catalytic air purification filter

NOTE: For multi-zone combinations only

* with optional Air Adjustment Grille

** with optional drain pan heater as applicable

Ceiling-Mount and Floor-Standing

Single and Multi-Zone Models

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

NEW!



- Up to 20.9 SEER | Up to 10.3 HSPF
- 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)



- Up to 18.6 SEER | Up to 10.3 HSPF
- 23 configurable airflow patterns ensure ideal airflow distribution
- 360° airflow reduces draft
- Stain-resistant decoration panel allows for easy cleaning

SkyAir Ceiling-Suspended | **FHQ** | 18,000 – 42,000 BTU/h

(Heat Pump or Cooling Only)



- Up to 18.0 SEER | Up to 11.1 HSPF
- 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)



- Up to 20.0 SEER | Up to 11.7 HSPF
- Advanced Filtration – Long life, washable filters.
- Enhanced Capacity – Up to 100% Heating Capacity at 5°F (-15°C) and operate efficiently as low as -13°F ambient temperature.
- Up to 100% Cooling Capacity at 104°F (40°C).

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

Ducted Models

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

(Heat Pump)



- Up to 15.5 SEER | Up to 10.4 HSPF
- Static capability up to 0.16" W.G.
- Compact design (7-7/8" in height)
- Rear or bottom return
- CDXS models compatible with multi-split outdoor models only
- Match with single zone RXS outdoor models or multi-zone MXS outdoor models

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

(Heat Pump or Cooling Only)



- Up to 17.5 SEER | Up to 10.6 HSPF
- 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
- Match with RZQ Heat Pump or RZR cooling-only outdoor models

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

(Heat Pump)



- Up to 20.0 SEER | Up to 12.0 HSPF
- Low ambient heat operation down to -4°F
- Upflow or horizontal right configurations
- Field-installed electric heat options available from 3 kW to 15 kW
- Match with RZQ Heat Pump Models

Outdoor Units

SINGLE-ZONE MODELS

RK, RKN (Cooling Only)

RX, RXN, RXS, RXG (Heat Pump)

9,000 – 24,000 BTU/h



- Up to 26.1 SEER
- Slim, compact design
- Pre-charged for 33 ft. of refrigerant piping
- For rooms up to 1,600 SF

RZQ (Heat Pump) **RZR** (Cooling Only)

RXS (Heat Pump)

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
- Operation down to 0°F (-40°F with optional low ambient cooling kit on select models)
- 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

**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.



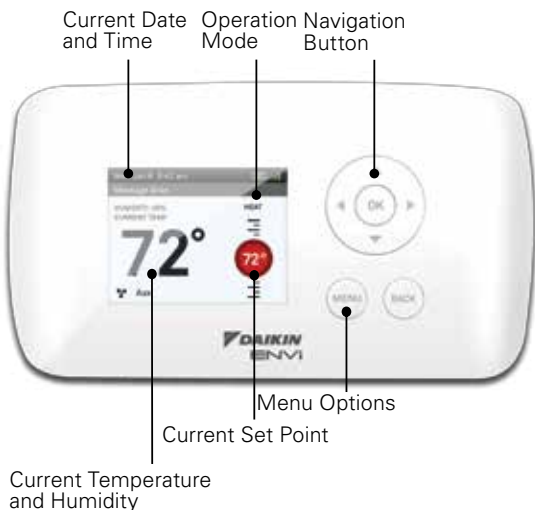
Intelligent

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

DACA-TS1-1



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



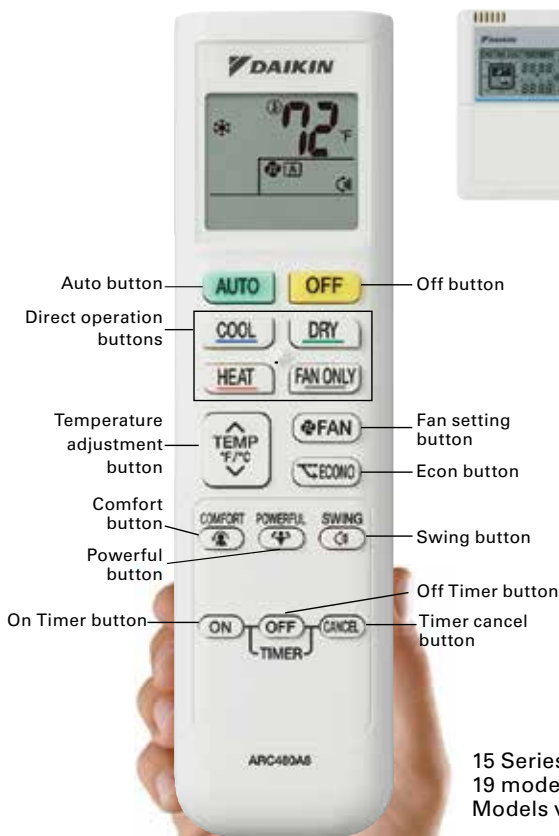
Want to make your room comfortable at the touch of a single button? No problem. Wall-mounted and slim-ducted units come with a user-friendly remote control featuring a minimalistic, modern design in a matte crystal-white finish that forms a perfect match with the indoor unit.

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*

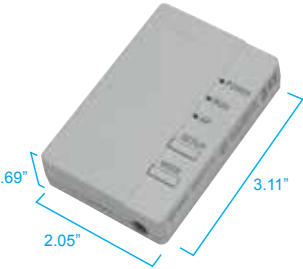
OPTIONAL
WALL-MOUNTED
WIRED CONTROLLER
(BRC944B2)
AVAILABLE (REQUIRES
KRP ADAPTER
ON THE 09,12
KE MODELS)



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.

Compatibility

SERIES	MODELS
15	FTXN_NMVJU, FTKN_NMVJU
19	FTX_NMVJU FTK_NMVJU
Daikin AURORA™	FTX_NMVJU FVXS_NMVJU
LV	FTXS_LVJU FDXS_LVJU
MXS/Daikin AURORA™ MXL	CTXS_LVJU, FTXS_LVJU, FVXS_NMVJU, FDXS_LVJU, CDXS_LVJU
SkyAir	FTXS_LVJU



Daikin Comfort Control App Screen Shots



Control individual units or groups of units conveniently

Select mode of operation and temperature setting

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.

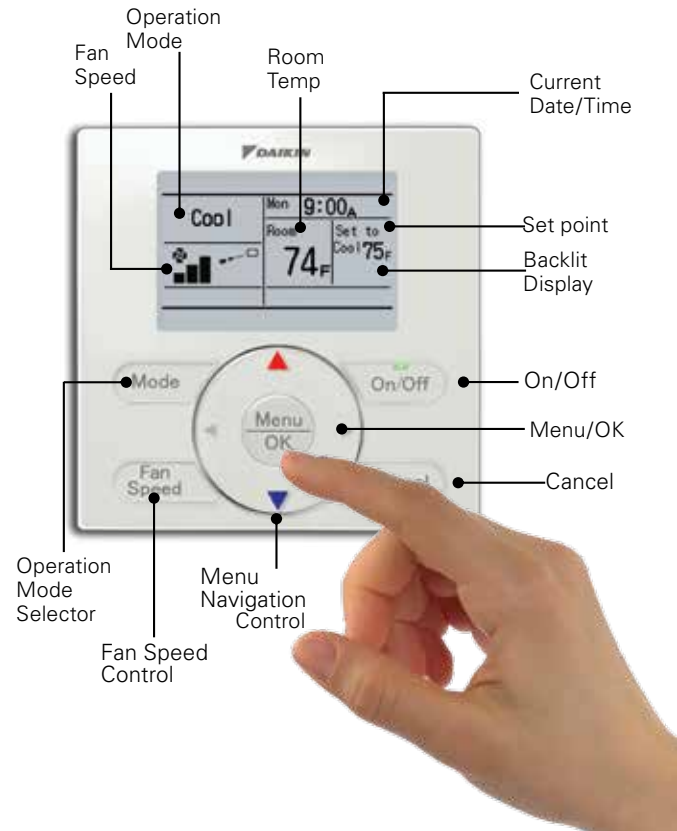
Features & Functions:

Basic Operation

- Operation Mode
- Set Point
- Fan Speed, Airflow Direction
- Auto On/Off Timer

Function

- Configurable Display
- Auto-Changeover
- Weekly Schedule
- Independent Cooling and Heating Set Points and Setback for unoccupied periods





SELLING & INSTALLATION TIPS



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)

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 ENVi Contractor Portal

Build and grow your customer relationship and business

The ENVi provides you with a Contractor Portal which allows you to enhance your relationship with your customers and grow your business.

Benefits

The Contractor Portal offers a variety of ways to maintain your relationship with your customers such as:

- Uploading your business information and logo so that it appears on your customers' alerts and reminders.
- Sending branded Service Reminders to your customers based upon your preferred service schedule.
- Viewing the make and model of your Daikin HVAC equipment right from your portal.
- Accessing your customers' HVAC Reports for remote trouble-shooting and diagnostics.
- Communicating specials and promotions to your customers and increase your web traffic by adding the Daikin ENVi login portal to your company's web page.

The Preferred Contractor Program is administered by Ecobee



Become A Preferred Contractor

To gain access to the Contractor Portal and be listed as a preferred contractor, you must fill out an application form at:

<https://www.ecobee.com/contractors/account/>

Once approved, you will receive an e-mail confirmation in which you will then be able to access the portal. From there, you are on your way to helping enhance your business and the relationship with your customers.

To be listed as a Preferred Contractor, contractors must have three or more ENVi Thermostats registered to the portal. End users will then be able to see your company on the preferred contractor list from the User Web Portal.

The screenshot shows a web page titled "Create a Contractor Account". It includes a "Thanks for your interest in ecobee!" message, a paragraph about the application process, a section titled "Want to take your business to the next level? Become an ecobee Preferred Contractor" with an image of a technician, and a note about the requirements for Preferred Contractors. At the bottom, there is a blue button labeled "Application Form".

Create a Contractor Account

Thanks for your interest in ecobee!

Fill out the application form below to request an ecobee Contractor Account. By creating an account you will have access to your own Contractor Portal. Once one of our Regional Sales Representatives has approved your request, you will receive an email to complete the account creation process and set your password.

Want to take your business to the next level? Become an ecobee Preferred Contractor

ecobee Preferred Contractors get listed on the ecobee website under Where to Buy. Once you have at least 3 thermostats registered to your Contractor Portal you will be eligible for listing on our website.

Note that all Preferred Contractors are required to respond to ecobee requests through our online Request a Quote system within 72 hours in order to remain in good standing as a Preferred Contractor.

Application Form

Please note that confirmations may take up to 24 hours from the time of registration submission.

The Preferred Contractor Program is administered by Ecobee.

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

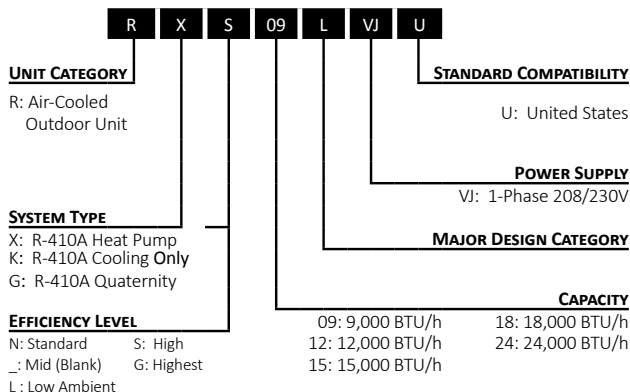


Nomenclature

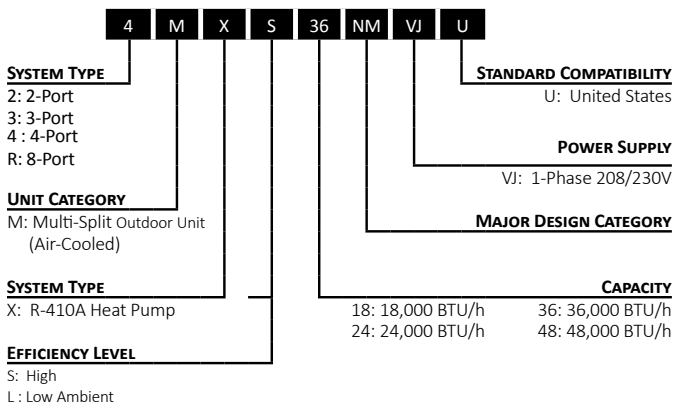
Single and Multi-Zone Systems

How to Read Model Numbers – Outdoor Units

SINGLE ZONE



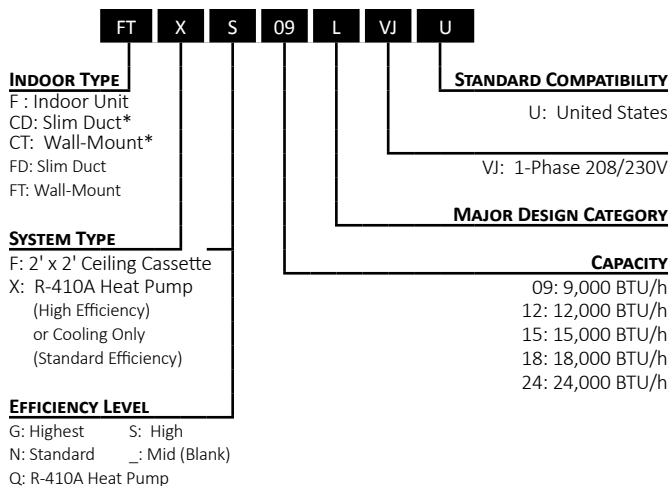
MULTI-ZONE



Nomenclature

Single and Multi-Zone Systems

How to Read Model Numbers – Indoor Units



* Compatible with multi-split MXS outdoor units only

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

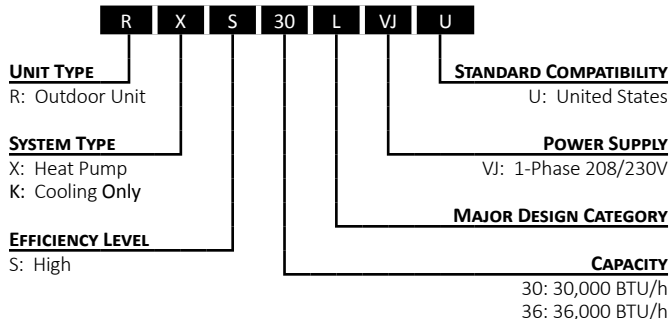
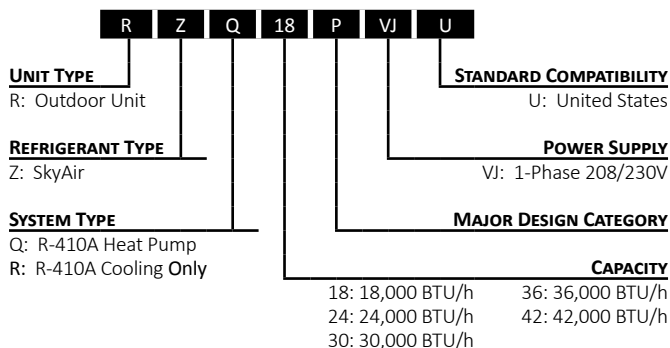
DESIGN

Nomenclature

How to Read Model Numbers



Single-Zone Systems



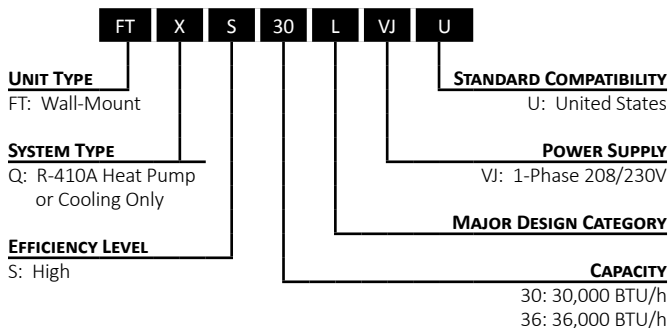
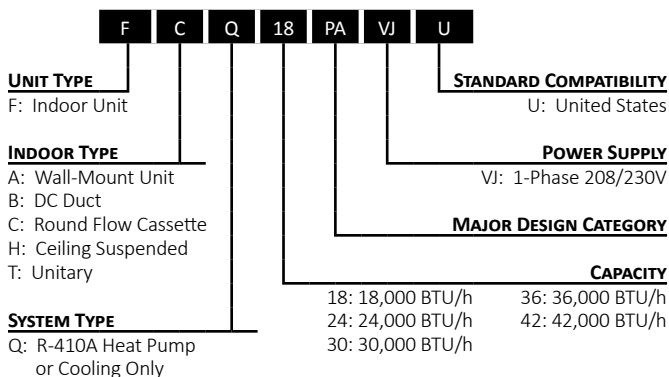
SkyAir Systems (18,000 – 42,000 BTU/h)

- Ducted and non-inducted indoor units offer versatility for almost any application
- Self-diagnostic capabilities offer worry-free operation and reliability

Nomenclature

How to Read Model Numbers

Single-Zone System



SkyAir Systems (18,000 – 42,000 BTU/h)

- Ducted and non-inducted indoor units offer versatility for almost any application
- Self-diagnostic capabilities offer worry-free operation and reliability

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.		¼
Gas Piping Connections (O.D.)	in.		¾
Condensate Drain	in.		½
Max. Piping Length	ft.		49
Max. Piping Height	ft.		39
Indoor Dimensions (H x W x D)	in.		11¼ x 30 ⁵ / ₁₆ x 8¾
Outdoor Dimensions (H x W x D)	in.		21¾ x 26 ⁹ / ₁₆ x 11¾
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.



PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

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	5,100-18,000	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	20	20
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$
49	98.2	98.2
39	65.6	65.6
$11\frac{1}{4} \times 30\frac{3}{16} \times 8\frac{3}{4}$	$11\frac{1}{4} \times 39 \times 10\frac{3}{4}$	$11\frac{1}{4} \times 39 \times 10\frac{3}{4}$
$21\frac{3}{4} \times 26\frac{3}{16} \times 11\frac{3}{16}$	$28\frac{15}{16} \times 34\frac{3}{4} \times 12\frac{3}{4}$	$28\frac{15}{16} \times 34\frac{3}{4} \times 12\frac{3}{4}$
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.		¾
Gas Piping Connections (O.D.)	in.		¾
Condensate Drain	in.		¾
Max. Piping Length	ft.		65.6
Max. Piping Height	ft.		49.2
Indoor Dimensions (H x W x D)	in.		11¼ x 30 ¹⁵ / ₁₆ x 8¾
Outdoor Dimensions (H x W x D)	in.		21¾ x 26 ³ / 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	22,000
4,400-13,300	5,800-20,000	5,800 - 24,000
13,500	21,600	24,000
4,400-16,400	5,800-24,000	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
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$
$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$
65.6	98.2	98.2
49.2	65.6	65.6
$11\frac{1}{4} \times 30\frac{15}{16} \times 8\frac{3}{4}$	$11\frac{1}{4} \times 39 \times 10\frac{3}{4}$	$11\frac{1}{4} \times 39 \times 10\frac{3}{4}$
$21\frac{1}{8} \times 26\frac{9}{16} \times 11\frac{1}{4}$	$28\frac{15}{16} \times 34\frac{3}{4} \times 12\frac{3}{4}$	$28\frac{15}{16} \times 34\frac{3}{4} \times 12\frac{3}{4}$
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.

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

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.		¾
Gas Piping Connections (O.D.)	in.		¾
Condensate Drain	in.		¾
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 8¼
Outdoor Dimensions (H x W x D)	in.		21 ³ / ₈ x 26 ⁹ / ₁₆ x 11 ¹ / ₈
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.



**Most Efficient
2017**
www.energystar.gov

YES	YES
1.0 TON	1.25 TON
FTX12NMVJU	FTX15NMVJU
RXL12QMVCU	RXL15QMVCU
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
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{3}{8}$	$\frac{1}{2}$
$\frac{5}{8}$	$\frac{3}{4}$
65.6	98.5
49.2	65.6
11 $\frac{1}{4}$ x 30 $\frac{5}{16}$ x 8 $\frac{3}{4}$	11 $\frac{1}{2}$ x 39 x 10 $\frac{1}{2}$
21 $\frac{1}{2}$ x 26 $\frac{9}{16}$ x 11 $\frac{1}{2}$	28 $\frac{15}{16}$ x 34 $\frac{1}{4}$ x 12 $\frac{1}{2}$
50 - 115	50 - 115
5 - 115	5 - 115
-4 - 115	-4 - 115
-13 - 60	-13 - 60

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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PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

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.		¾
Gas Piping Connections (O.D.)	in.		¾
Condensate Drain	in.		13/16
Max. Piping Length	ft.		65.6
Max. Piping Height	ft.		49.2
Indoor Dimensions (H x W x D)	in.		23¾ x 279/16 x 8¾
Outdoor Dimensions (H x W x D)	in.		21¾ x 269/16 x 113/16
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
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{3}{8}$	$\frac{1}{2}$
$\frac{13}{16}$	$\frac{13}{16}$
65.6	98.5
49.2	65.6
$23\frac{3}{8} \times 27\frac{9}{16} \times 8\frac{1}{4}$	$23\frac{3}{8} \times 27\frac{9}{16} \times 8\frac{1}{4}$
$21\frac{1}{8} \times 26\frac{3}{16} \times 11\frac{3}{16}$	$28\frac{15}{16} \times 34\frac{1}{4} \times 12\frac{1}{2}$
50 - 115	50 - 115
5 - 115	5 - 115
-4 - 115	-4 - 115
-13 - 60	-13 - 60

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PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

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	15.0
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ¾
Condensate Drain	in.	Ø ½
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.2
Indoor Dimensions (H x W x D)	in.	11½ x 31½ x 8⅞
Outdoor Dimensions (H x W x D)	in.	21½ x 30⅞ 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.



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 – 18,600	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
15.0	20.0	20.0	20.0
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
11⅝ x 31½ x 8⅞	13⅝ x 41⅝ x 9¾	13⅝ x 41⅝ x 9¾	13⅝ x 41⅝ x 9¾
21⅝ x 30⅝ x 11¼	28⅝ x 32½ x 11⅜	28⅝ x 32½ x 11⅜	30⅝ x 35⅞ 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 27 7/16	7 7/8 x 27 9/16 x 27 7/16
Outdoor Dimensions (H x W x D)	in.	21 1/8 x 30 3/8 x 11 1/4	21 1/8 x 30 3/8 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



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
MOCP	A	15.0	15.0	15.0
Liquid Piping Connections (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8
Condensate Drain	A	Ø 11/16	Ø 11/16	Ø 11/16
Max. Piping Length	ft.	32	32	32
Max. Piping Height	ft.	26	26	26
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 3/8 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

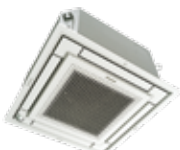
Ceiling Cassette Heat Pump Up to 20.9 SEER | 11.7 HSPF

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	15.00
Maximum Overcurrent Protection	A	20.0
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø 3/8
Max. Piping Length	ft.	66
Max. Piping Height	ft.	49
Indoor Dimensions (H x W x D)	in.	10 ¼ x 22 ¾ x 22 ¾
Outdoor Dimensions (H x W x D)	in.	21 ¾ x 26 ¾ x 11 ¾
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



*

1.0 Ton	1.25 Tons
FFQ12Q2VJU	FFQ15Q2VJU
RX12QMVJU	RX15QMVJU
10,800	14,400
4,600 – 13,300	5,100 – 16,200
13,500	16,200
4,600 – 16,800	5,200 – 16,300
20.2 / 11.2	20.7 / 11.0
3.94 / 12.5	3.87 / 12.5
208-230/1/60	208-230/1/60
15	15
20	20
Ø ¼	Ø ¼
Ø ⅜	Ø ½
66	99
49	68
10 ¼ x 22 ⅝ x 22 ⅝	10 ¼ x 22 ⅝ x 22 ⅝
21 ⅜ x 26 ½ x 11 ⅝	28 ⅝ x 34 ¼ x 12 ⅝
50 - 115	50 - 115
14 - 115	14 - 115
-4 - 115	-4 - 115
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.

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

Daikin AURORA™ (MXL) Specs

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

NOMINAL TONS		1.5 TONS	2.0 TONS
OUTDOOR MODELS		2MXL18QMVJU	3MXL24QMVJU
Max Connected Capacity	BTU/h	24,000	39,000
Nominal Capacity	BTU/h	18,000	24,000
Cooling Capacity (Rated)	BTU/h	21,000	24,000
Cooling Capacity (Rated-Max)	BTU/h	18,000 - 24,000	24,000 - 30,000
Heating Capacity (Rated)	BTU/h	25,000	24,000
Heating Capacity (Rated-Max)	BTU/h	18,900 - 36,000	24,000 - 41,000
Heating Capacity (@ 5F - Max)	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	15.5/11.2/10.35
	Ducted	14/10.1/8.2	14.0/9.7/8.2
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	230
Max Piping Height	ft	49%	49%
Dimensions (HxWxD)	in.	28 ¹⁵ / ₁₆ x 34 ³ / ₄ x 12 ³ / ₄	
Operating Range - Cooling	°F DB	14 - 115	14 - 115
Operating Range - Heating	°F WB	-13 - 60	-13 - 60



		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
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
Max Connected Capacity	BTU/h	24,000	39,000
Cooling Capacity (Rated-Max)	BTU/h	18,000-21,000	24,000-30,000
Heating Capacity Rated (Min-Max)	BTU/h	18,900-25,000	24,000-36,000
Min-Max No. of Indoor Units		2	2-3
Power Supply	V / ∅ / 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
Max Total Piping Length	ft.	164	230
Max piping length to indoor	ft.	82	82
Max Piping Height	ft.	49.2	49.2
Dimensions	HxWxD	29 x 34½ x 12½	29 x 34½ x 12½
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
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

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No	No
3.0 TONS	4.0 TONS
4MXS36NMVJU	RMXS48LVJU
48,000	48,000
36,000-38,000	48,000
36,000-38,000	62,400
48,000	48,000
2-4	2-8
208-230V / 1 Ph	208-230V / 1 Ph
19.75	NA
20	NA
230	433
82	230
49.2	98.4
29 x 34 $\frac{1}{4}$ x 12	52 $\frac{15}{16}$ x 35 $\frac{7}{16}$ x 12 $\frac{5}{8}$
17.7/9.2/12.2	18.8/11.3/10.3
15.9/8.5/10.2	16.5/10.5/9.8
14.0/7.9/8.2	14.1/9.6/9.3
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	FFQ09Q	x	x	x	x
	FFQ12Q	x	x	x	x
	FFQ15Q	x	x	x	x
	FFQ18Q		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		.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 1 1/16
Indoor Dimensions (H x W x D)	in.	11 15/16 x 39 15/16 x 8 3/8

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	Ø ⅝
Indoor Dimensions (H x W x D)	in.	11 5/8 x 31 1/2 x 8 7/16	11 5/8 x 31 1/2 x 8 7/16

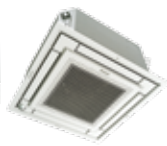
2' X 2' CEILING CASSETTE UNITS		
INDOOR MODEL#		FFQ09Q2VJU
Rated Capacity Class	BTU/h	9,500
Liquid Piping Connection (O.D.)	in.	Ø ¼
Gas Piping Connection (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø 1 1/32
Indoor Dimensions (H x W x D)	in.	11 1/4 x 22 5/8 x 22 3/4



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 ⅜
Ø 1 1/16		Ø 1 1/32
11 15/16 x 39 15/16 x 8 3/8		11 15/16 x 39 15/16 x 8 3/8

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
11 3/8 x 31 1/2 x 8 7/16	13 3/8 x 41 5/16 x 9 3/4	13 3/8 x 41 5/16 x 9 3/4	13 3/8 x 41 5/16 x 9 3/4

FFQ12Q2VJU	FFQ15Q2VJU
12,000	15,000
Ø ¼	Ø ¼
Ø ⅜	Ø ½
Ø 1 1/32	Ø 1 1/32
11 1/4 x 22 3/8 x 22 3/8	11 1/4 x 22 3/8 x 22 3/8

PRODUCT

SELLING &
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SPECIFICATIONS
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DESIGN

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	12,000
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 1 ¹ / ₃₂	Ø ²⁵ / ₃₂
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
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.	23 ³ / ₈ x 27 ¹ / ₂ x 8 ¹ / ₄	23 ³ / ₈ x 27 ¹ / ₂ x 8 ¹ / ₄



FDXS/CDXS



FVXS

1.25 Ton	1.5 Ton	2.0 Ton
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CDXS15LVJU	CDXS18LVJU	CDXS24LVJU
15,000	18,000	24,000
0.16	0.16	0.16
$\varnothing \frac{1}{4}$	$\varnothing \frac{1}{4}$	$\varnothing \frac{1}{4}$
$\varnothing \frac{1}{2}$	$\varnothing \frac{1}{2}$	$\varnothing \frac{5}{8}$
$\varnothing 1\frac{1}{32}$	$\varnothing 1\frac{1}{32}$	$\varnothing 1\frac{1}{32}$
$7\frac{7}{8} \times 35\frac{7}{16} \times 24\frac{7}{16}$	$7\frac{7}{8} \times 35\frac{7}{16} \times 24\frac{7}{16}$	$7\frac{7}{8} \times 35\frac{7}{16} \times 24\frac{7}{16}$

FVXS15NVJU	FVXS18NVJU
15,000	18,000
$\varnothing \frac{1}{4}$	$\varnothing \frac{1}{4}$
$\varnothing \frac{1}{2}$	$\varnothing \frac{1}{2}$
$\varnothing \frac{13}{16}$	$\varnothing \frac{13}{16}$
$23\frac{3}{8} \times 27\frac{1}{2} \times 8\frac{1}{4}$	

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		RZR18PVJU	RZR24PVJU
OUTDOOR MODEL# HEAT PUMP		RZQ18PVJU9	RZQ24PVJU9
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Heating Capacity (Rated)*	BTU/h	20,000	26,000
SEER		18.6	17.6
EER		12.7	10.2
HSPF		8.7	9.1
Power Supply		208/230V/1 Ph	208/230V/1 Ph
Liquid Piping Connections (O.D.)	in.	Ø ¾	Ø ¾
Gas Piping Connections (O.D.)	in.	Ø ¾	Ø ¾
Condensate Drain	in.	Ø 1 ¹ / ₁₆	Ø 1 ¹ / ₁₆
Dimensions (H x W x D)	in.	11 ³ / ₈ x 41 ³ / ₈ x 9	11 ³ / ₈ x 41 ³ / ₈ x 9
Net Weight	lbs.	31	31
Max. Piping Length	ft.	164	164
Max. Piping Height	ft.	98	98
Indoor Dimensions (H x W x D)	in.	11 ³ / ₈ x 41 ³ / ₈ x 9	11 ³ / ₈ x 41 ³ / ₈ x 9
Outdoor Dimensions (H x W x D)	in.	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈
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

FTXS 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
OUTDOOR MODEL# HEAT PUMP		RXS30LVJU	RXS36LVJU
Cooling Capacity (Rated)	BTU/h	30,000	36,000
Cooling Capacity (Min – Max)	BTU/h	10,200 – 30,000	10,200 – 36,000
Heating Capacity (Rated)*	BTU/h	34,800	38,000
Heating Capacity (Min – Max)*	BTU/h	10,200 – 34,000	10,200 – 38,000
SEER		19.3	17.9
EER		10.71	8.37
HSPF		8.3	8.3
Minimum Circuit Amps	A	19.5	19.5
Maximum Overcurrent Protection	A	20.0	20.0
Liquid Piping Connections (O.D.)	in.	Ø ¾	Ø ¾
Gas Piping Connections (O.D.)	in.	Ø ¾	Ø ¾
Condensate Drain	in.	Ø ¾	Ø ¾
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 9⅞	13⅜ x 47¼ x 9⅞
Outdoor Dimensions (H x W x D)	in.	38⅝ x 37 x 12⅝	38⅝ x 37 x 12⅝
Cooling Operation Range - RXS**	°F DB	14 – 115	14 – 115
Cooling Operation Range - RKS**	°F DB	50 – 115	50 – 115
Cooling Range w/ Air Adjustment Grille***	°F DB	0 – 115	0 – 115
Operating Range - Heating*	°F WB	5 – 65	5 – 65

*Available on Heat Pump models only

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

*** Operation range of RKS 30, 36LVJU can be extended to -40 °F / -40 °C with addition of optional ultra low ambient cooling kit.

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

FBQ Series

DC Duct Heat Pump or Cooling Only

NOMINAL TONS		1.5 TONS
INDOOR MODEL#		FBQ18PVJU
OUTDOOR MODEL# COOLING ONLY		RZR18PVJU
OUTDOOR MODEL# HEAT PUMP		RZQ18PVJU9
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER /		17.5
EER		14.1
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
Max. Piping Height	ft.	98
Indoor Dimensions (H x W x D)	in.	11 ¹³ / ₁₆ x 39 ³ / ₈ x 27 ⁹ / ₁₆
Outdoor Dimensions (H x W x D)	in.	30 ⁵ / ₁₆ x 35 ¹ / ₁₆ x 12 ⁵ / ₈
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
RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
24,000	30,000	36,000	42,000
27,000	34,000	40,000	47,000
16.5	16.0	17.5	16.0
12.0	10.5	11.2	10.2
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 ¾	Ø ¾	Ø ¾	Ø ¾
Ø ¾	Ø ¾	Ø ¾	Ø ¾
Ø 1¼	Ø 1¼	Ø 1¼	Ø 1¼
164	164	230	230
98	98	164	164
11 ¹³ / ₁₆ x 55 ⁵ / ₁₆ x 27 ⁹ / ₁₆	11 ¹³ / ₁₆ x 55 ⁵ / ₁₆ x 27 ⁹ / ₁₆	11 ¹³ / ₁₆ x 55 ⁵ / ₁₆ x 27 ⁹ / ₁₆	11 ¹³ / ₁₆ x 55 ⁵ / ₁₆ x 27 ⁹ / ₁₆
52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ³ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ³ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ³ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ³ / ₁₆
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

FCQ Series

Round Flow Ceiling Cassette Heat Pump or Cooling Only

NOMINAL TONS		1.5 TONS
INDOOR MODEL#		FCQ18PAVJU
OUTDOOR MODEL# COOLING ONLY		RZR18PVJU
OUTDOOR MODEL# HEAT PUMP		RZQ18PVJU9
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER		18.6
EER		13.0
HSPF*		10.3
Power Supply		208/230V/1 Ph
Liquid Piping Connections (O.D.)	in.	Ø ¾
Gas Piping Connections (O.D.)	in.	Ø ½
Condensate Drain	in.	Ø 1¼
Max. Piping Length	ft.	164
Max. Piping Height	ft.	98
Indoor Dimensions (H x W x D)	in.	9 ¹¹ / ₁₆ x 33 ⁷ / ₁₆ x 33 ⁷ / ₁₆
Outdoor Dimensions (H x W x D)	in.	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12%
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

Shown with decoration
panel BYCP125K-W1

2.0 TONS	2.5 TONS	3.0 TONS	3.5 TONS
FCQ24PAVJU	FCQ30PAVJU	FCQ36PAVJU	FCQ42PAVJU
RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
24,000	30,000	36,000	42,000
27,000	34,000	40,000	47,000
18.5	15.5	17.9	17.0
12.0	9.3	11.4	10.3
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 ¾"	Ø ¾"	Ø ¾"	Ø ¾"
Ø ¾"	Ø ¾"	Ø ¾"	Ø ¾"
Ø 1¼"	Ø 1¼"	Ø 1¼"	Ø 1¼"
164	164	230	230
98	98	164	164
9 ¹¹ / ₁₆ x 33 ³ / ₁₆ x 33 ³ / ₁₆	9 ¹¹ / ₁₆ x 33 ³ / ₁₆ x 33 ³ / ₁₆	11 ⁵ / ₁₆ x 33 ³ / ₁₆ x 33 ³ / ₁₆	11 ⁵ / ₁₆ x 33 ³ / ₁₆ x 33 ³ / ₁₆
30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

FHQ Series

Ceiling Suspended Single Zone Heat Pump or Cooling Only

NOMINAL TONS		1.5 TONS
INDOOR MODEL#		FHQ18PVJU
OUTDOOR MODEL# COOLING ONLY		RZR18PVJU
OUTDOOR MODEL# HEAT PUMP		RZQ18PVJU9
Cooling Capacity (Rated)	BTU/h	18,000
Heating Capacity (Rated)*	BTU/h	20,000
SEER		18.0
EER		14.0
HSPF*		11.1
Power Supply		208/230V/1 Ph
Liquid Piping Connections (O.D.)	in.	Ø ¾
Gas Piping Connections (O.D.)	in.	Ø ¾
Condensate Drain	in.	Ø 1
Max. Piping Length	ft.	164
Max. Piping Height	ft.	98
Indoor Dimensions (H x W x D)	in.	7 ¹¹ / ₁₆ x 62 ⁵ / ₁₆ x 26 ³ / ₄
Outdoor Dimensions (H x W x D)	in.	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈
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
RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
24,000	30,000	36,000	40,500
27,000	34,000	37,500	39,500
18.0	17.2	14.0	14.0
12.6	10.5	10.2	9.5
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 ¾	Ø ¾	Ø ¾	Ø ¾
Ø ¾	Ø ¾	Ø ¾	Ø ¾
Ø 1	Ø 1	Ø 1	Ø 1
164	164	230	230
98	98	164	164
7 ¹¹ / ₁₆ x 62 ⁵ / ₁₆ x 26 ³ / ₄	7 ¹¹ / ₁₆ x 62 ⁵ / ₁₆ x 26 ³ / ₄	7 ¹¹ / ₁₆ x 62 ⁵ / ₁₆ x 26 ³ / ₄	7 ¹¹ / ₁₆ x 62 ⁵ / ₁₆ x 26 ³ / ₄
30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₈
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

PRODUCT

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DESIGN

FTQ Series

Inverter Ducted Heat Pump

NOMINAL TONS		1.5 TONS
INDOOR MODEL#		FTQ18PBVJU
OUTDOOR MODEL#		RZQ18PVJU9
Cooling Capacity (Rated)	BTU/h	18,000
Cooling Capacity (Min – Max)	BTU/h	9,000 – 18,000
Heating Capacity (Rated)	BTU/h	20,000
Heating Capacity (Min – Max)	BTU/h	9,000 – 20,000
SEER / EER		20.0 / 14.5
COP / HSPF		4.0 / 12.0
Power Supply		208/230V/1 Ph
External Static Pressure	"W.G.	Up to 0.50
Liquid Piping Connections (O.D.)	in.	Ø ¾
Gas Piping Connections (O.D.)	ft.	Ø ¾
Condensate Drain	in.	Ø 1
Max. Piping Length	ft.	98.0
Max. Piping Height	ft.	98.0
Indoor Dimensions (H x W x D)	in.	48¾ x 22 x 26
Outdoor Dimensions (H x W x D)	in.	30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12¾
Operating Range - Cooling	°F DB	23 – 115
Cooling Range w/ Air Adjustment Grille	°F DB	0 – 115
Operating Range - Heating	°F WB	0 – 60



SkyAir

2.0 TONS	2.5 TONS	3.0 TONS	3.5 TONS
FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
24,000	30,000	36,000	40,000
9,000 – 24,000	12,000 – 30,000	12,000 – 36,000	12,000 – 42,000
27,000	34,000	40,000	47,000
9,000 – 27,000	12,000 – 34,000	12,000 – 40,000	12,000 – 47,000
19.0 / 13.5	19.5 / 13.5	18.0 / 12.5	17.0 / 12.0
3.8 / 11.5	3.7 / 10.0	3.6 / 9.5	3.2 / 8.5
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 ¾	Ø ¾	Ø ¾	Ø ¾
Ø ¾	Ø ¾	Ø ¾	Ø ¾
Ø 1	Ø 1	Ø 1	Ø 1
98.0	230.0	230.0	230.0
98.0	164.0	164.0	164.0
48¾ x 22 x 26	58¾ x 22 x 26	58¾ x 22 x 26	58¾ x 22 x 26
30 ⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₁₆	52 ¹⁵ / ₁₆ x 35 ⁷ / ₁₆ x 12 ⁵ / ₁₆
23 – 115	23 – 115	23 – 115	23 – 115
0 – 115	0 – 115	0 – 115	0 – 115
0 – 60	0 – 60	-4 – 60	-4 – 60

PRODUCT

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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 RXN09-12 / RK09-12 / RXL09-12
KPW063A4	RXN18-24 / RKN18-24 / RKL15 RX18-24 / RK18-24
KPW937C4	RXG09-15 / RXS12
KPW945A4	RXS15-24
KPW038A4	2MXL / 3MXL 2MXS / 3MXS / 4MXS
KPW5E80	RZR18-42 RZQ18-42 (2 grilles are required for use with size 30, 36, 42)
ULTRA LOW AMBIENT COOLING KIT	
2F018535-1	RXS30
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 - 23% X 16½ - 330 lb. cap — Sau
DACA-WB-1	Adj Wall Bracket w/Support Bar - 17% 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 Guages 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: ¼ to 1½ (Replaces DACA-TC-1)
AD87	Straight Adapter: ⅝ flare to a ¼ flare (Replaces - DACA-SVA-1)
AD87S	Angled Adapter: 55deg ⅝ flare to ¼ flare (Replaces DACA-SVA-1)
TLVCS410	Valve Core Remover / Installer Tool w/Side Port
LSFNUT14	Lineset 45Deg Flare Nut: ⅝; Pkg 10
LSFNUT38	Lineset 45Deg Flare Nut: ¾; Pkg 10
LSFNUT12	Lineset 45Deg Flare Nut: ⅝; Pkg 10
LSFNUT58	Lineset 45Deg Flare Nut: ¾; Pkg 10

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Accessories (continued)

ITEM #	ITEM DESCRIPTION
LINESETS - NON-FLARED - WHITE PE STYLE RUGGED LINEHIDE - PDM	
DCTLS14121225	LINESET GEL NF $\frac{1}{4}$ X $\frac{1}{2}$ X $\frac{1}{2}$, 25ft - NF - White Hide (Replaces LS14121210DMSF, LS14121215DMSF) New
DCTLS14121235	LINESET GEL NF $\frac{1}{4}$ X $\frac{1}{2}$ X $\frac{1}{2}$, 35ft - NF - White Hide (Replaces LS14121230DMSF) New
DCTLS14121250	LINESET GEL NF $\frac{1}{4}$ X $\frac{1}{2}$ X $\frac{1}{2}$, 50ft - NF - White Hide (Replaces LS14121250DMSF, LS14121265DMSF, LS141212100DMSF) New
DCTLS14381225	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 25ft - NF - White Hide
DCTLS14381235	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 35ft - NF - White Hide
DCTLS14381250	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 25ft - NF - White Hide
DCTLS14581225	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 25ft - NF - White Hide
DCTLS14581235	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 35ft - NF - White Hide
DCTLS14581250	LINESET GEL NF $\frac{1}{4}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 50ft - NF - White Hide
DCTLS38581225	LINESET GEL NF $\frac{3}{8}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 25ft - NF - White Hide
DCTLS38581235	LINESET GEL NF $\frac{3}{8}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 35ft - NF - White Hide
DCTLS38581250	LINESET GEL NF $\frac{3}{8}$ X $\frac{3}{8}$ X $\frac{1}{2}$, 50ft - NF - White Hide
LINESETS - FLARED - BLACK RUBBER - JMF	
LS14381230DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 30 DMS Flared- Black Rubber Insulation
LS14381250DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 50 DMS Flared - Black Rubber Insulation
LS14121230DMSF	LS $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$ x 30 DMS Flared - Black Rubber Insulation
LS14121250DMSF	LS $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$ x 50 DMS Flared - Black Rubber Insulation
LS14121265DMSF	LS $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$ x 65 DMS Flared- Black Rubber Insulation
LS14381265DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 65 DMS Flared- Black Rubber Insulation
LS14581265DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 65 DMS Flared- Black Rubber Insulation
LS38581265DMSF	LS $\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 65 DMS Flared- Black Rubber Insulation
LS141212100DMSF	LS $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$ x 100 DMS Flared- Black Rubber Insulation
LS143812100DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ x 100 DMS Flared- Black Rubber Insulation
LS145812100DMSF	LS $\frac{1}{4}$ x $\frac{3}{8}$ x $\frac{1}{2}$ 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

PRODUCT

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DESIGN



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
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															
		FTXG09HVJU															
		FTXG12HVJU															
		FTXG15HVJU															
		FDXS09LVJU															
		FDXS12LVJU															
		FVXS09QMVJU														•	
		FVXS12QMVJU															•
		FVXS15QMVJU															•
		FVXS18QMVJU															•
		FFQ09Q2VJU															•
		FFQ12Q2VJU															•
		FFQ15Q2VJU															•
		FFQ18Q2VJU*															•
		CTXG09QVJU(W/S)															
		CTXG12QVJU(W/S)															
		CTXG18QVJU(W/S)															
		CTXS07LVJU															
		CDXS15LVJU															
		CDXS18LVJU															
		CDXS24LVJU															
SKY/AIR SYSTEMS	FTXS_LVJU																
	FAQ_PVJU																
	FBQ_PVJU																
	FCQ_PAVJU																
	FHQ_MVJU																
	FHQ_PVJU																
	FHQ_PBVJU																

DESIGN

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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	BRP072A43	BRC944B2	DACA-TS1-1	BRC1E73	BRC2A71	BRC082A42W	BRC082A42S	KRC501-4B
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								•		•	•	•					
SKYAIR SYSTEMS	FTXS__LVJU					•					•	•	•					
	FAQ_PVJU													•	•	•	•	•
	FBQ_PVJU													•	•	•	•	•
	FCQ_PAVJU													•	•	•	•	•
	FHQ_PVJU													•	•	•	•	•
	FTQ_PBVJU													•	•	•	•	•

PRODUCT

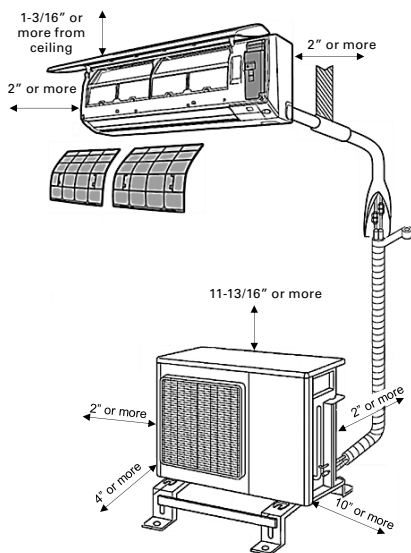
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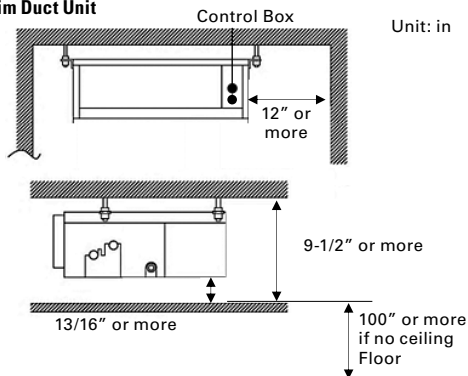
DESIGN

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

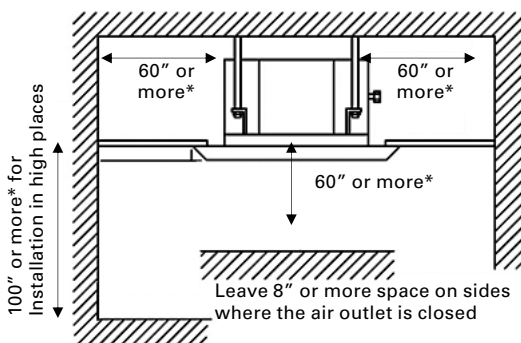


System Clearances

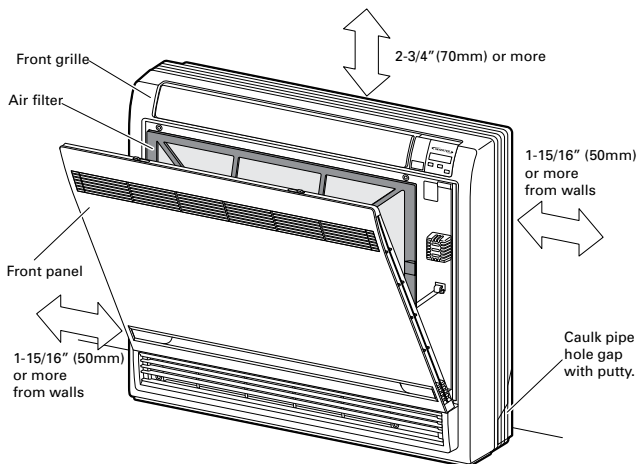
Single and Multi-Zone Systems

Indoor Units

Daikin VISTA™ Series Ceiling Cassette



Floor-Standing



PRODUCT

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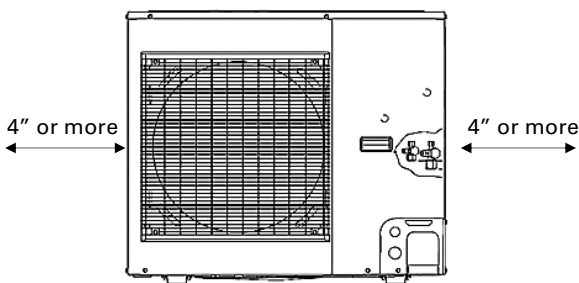
DESIGN

System Clearances



Outdoor Units

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.

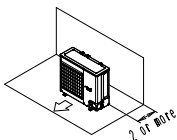


INSTALLATION SERVICE SPACE

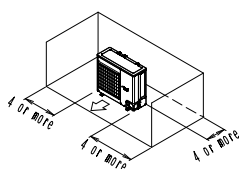
STAND-ALONE INSTALLATION (The measure of these values is "in".)

No obstacle above

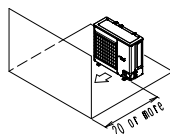
(1) Obstacle on the suction side only



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

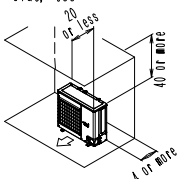


(3) Obstacle on the discharge side only

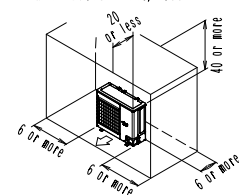


Obstacle above, too

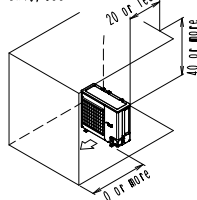
(1) Obstacle on the suction side, too



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



(3) Obstacle on the discharge side only, too

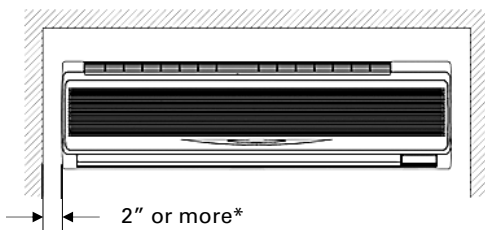


System Clearances

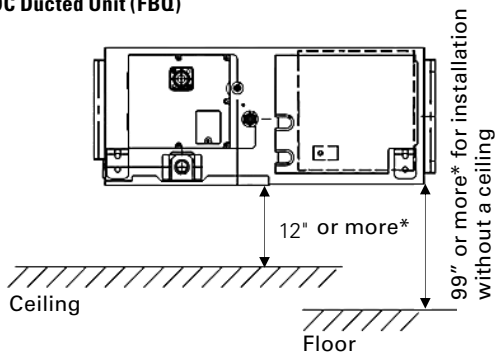


Indoor Units

Wall-Mounted Unit (FAQ)



DC Ducted Unit (FBQ)

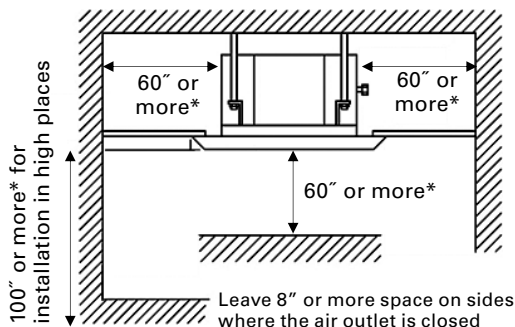


System Clearances

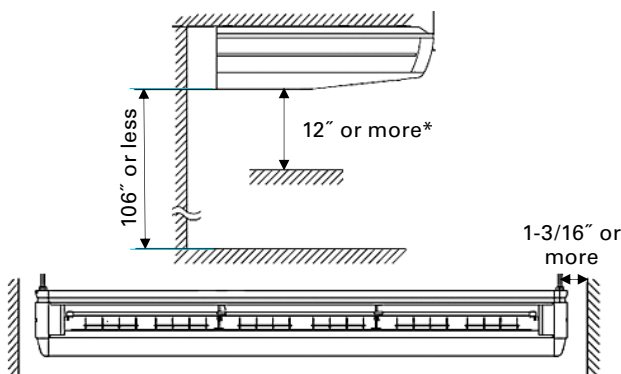


Indoor Units

3'X3' Ceiling Cassette (FCQ)



Ceiling Suspended (FHQ)



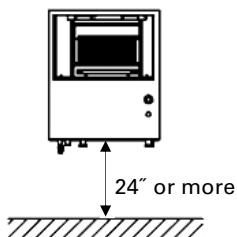
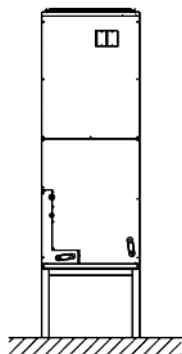
System Clearances



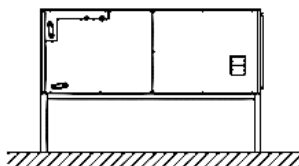
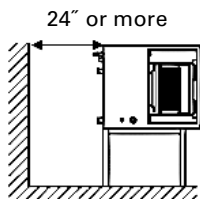
Indoor Units

Inverter Ducted (FTQ)

Vertical Installation



Horizontal Installation



Single and Multi-Zone Systems

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	20
FTXN24NMVJU	RXN24NMVJU	18.3	20
FTKN09NMVJU	RKN09NMVJU	7.9	15
FTKN12NMVJU	RKN12NMVJU	8.6	15
FTKN18NMVJU	RKN18NMVJU	9.5	20
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™ 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	13.8	20
FTXS18LVJU	RXS18LVJU	13.8	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	15	20
FFQ12Q2VJU	RX12QMVJU	15	20
FFQ15Q2VJU	RX15QMVJU	15	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	30.0

Electrical Requirements



OUTDOOR UNIT			
HEAT PUMP	COOLING ONLY	MCA (A)	MOCP (A)
RXS30LVJU	RKS30LVJU	19.5	20
RXS36LVJU	RKS36LVJU	19.5	20
RZQ18PVJU9	RZR18PVJU	16.5	20
RZQ24PVJU9	RZR24PVJU	16.5	20
RZQ30PVJU	RZR30PVJU	16.5	20
RZQ30PVJU9		27	30
RZQ36PVJU9	RZR36PVJU	27	30
RZQ42PVJU9	RZR42PVJU	27	30

INDOOR UNIT		
MODEL NUMBER	MCA (A)	MOCP (A)
FAQ18PVJU	0.4	15
FAQ24PVJU	0.6	15
FTXS30LVJU	Powered from OU	
FTXS36LVJU	Powered from OU	
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

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

⚠ WARNING – HIGH VOLTAGE

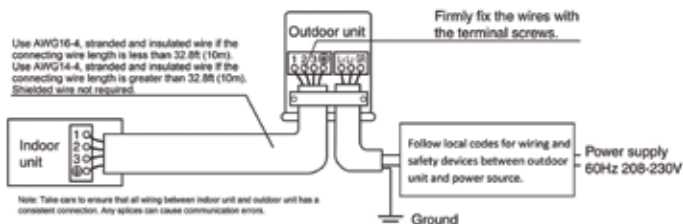
DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

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.

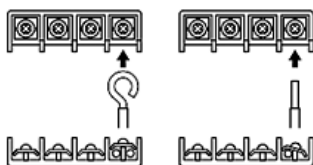
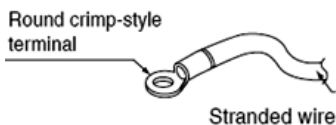
1. Strip the insulation from the wire ($\frac{3}{4}$ " (20mm)).
2. Connect the connection wires between the indoor and outdoor units so that the terminal numbers match. Tighten the terminal screws securely. We recommend a flathead screwdriver be used.



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

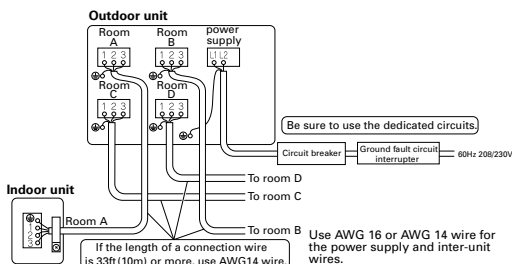
⚠ WARNING – High Voltage

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

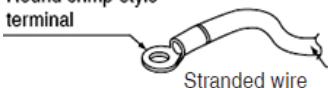
1. Strip the insulation from the wire ($\frac{3}{4}$ inch) (20mm).
2. Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws.
3. **Be sure to match 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.



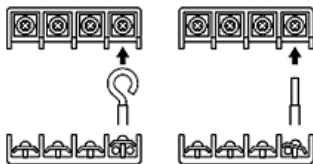
In case using stranded wires is unavoidable, make sure to install the round crimp-style terminals on the tip.

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

Round crimp-style terminal



Perform curling when using a single core wire.



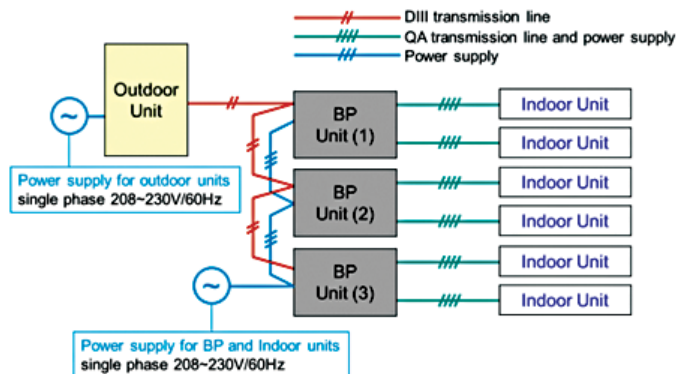
○ Correct X Wrong
Stripping wire at terminal block

⚠ WARNING – HIGH VOLTAGE

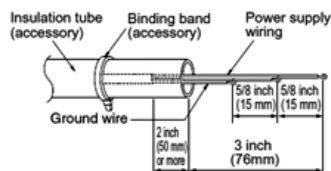
DISCONNECT ALL power BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT.
FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

8-Zone Multi-Split System (RMXS)

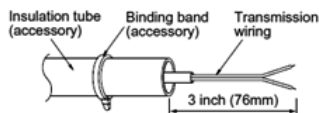
The outdoor unit and BP units operate from separate 208/230V single-phase power supplies. Indoor units are powered from the BP unit and wired as Daikin's current 4-wire single split systems reducing the wiring size and easing installation.



Power Supply Wiring



Transmission Wiring



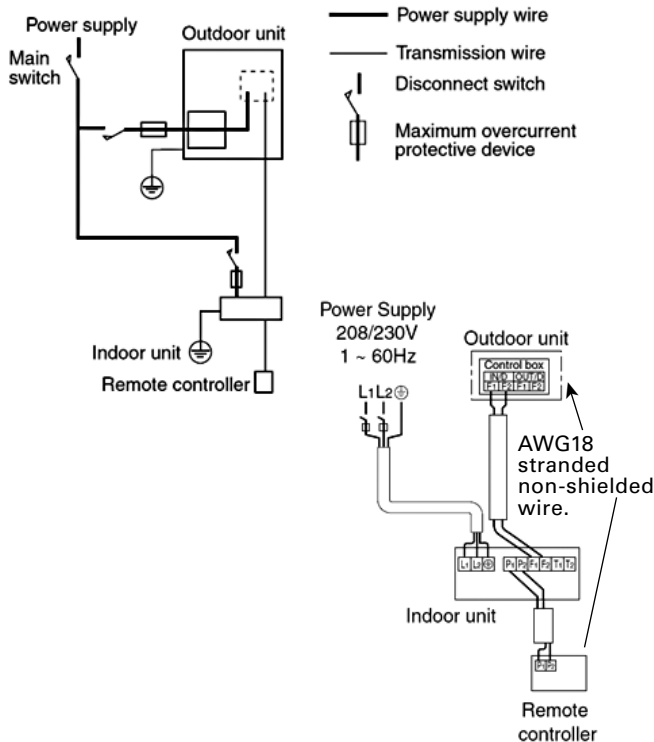
Refer to the installation manual for more detailed instructions.

⚠ 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	39.4	32.8
18 & 24 MBH	4.92	98.4	65.6	32.8

13 SERIES, LV SERIES, DAIKIN AURORA™ SERIES, DAIKIN EMURA™ SERIES

9 & 12 MBH	4.92	65.6	49.2	32.8
15, 18, 24 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	26	32
12 MBH	4.92	32	26	32
15 MBH	4.92	32	26	32

MULTI-ZONE MXS SERIES AND DAIKIN AURORA™ SERIES

2MXL18QMVJU	4.92	164	49.2	98.4
2MXS18NMVJU	4.92	164	49.2	98.4
3MXL24QMVJU	4.92	230	49.2	131.6
3MXS24NMVJU	4.92	230	49.2	131.6
4MXS36NMVJU	4.92	230	49.2	131.6
RMXS48LVJU**	16.9	442	98	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.)
-------------	------------------	------------------	-----------------------

FTXS & RXS_RKS

30 MBH	98.4	65.6	32 ft. Chargeless*
36 MBH	98.4	65.6	32 ft. Chargeless*

Additional refrigerant required for refrigerant pipe exceeding 32.8 ft. Charge additional refrigerant at **0.54 oz/ft.**

FAQ, FBQ, FCQ, FHQ & RZQ_RZR

18 MBH	164	98	5.1
24 MBH	164	98	5.1
30 MBH	164	98	5.1
36 MBH	230	164	8.8
42 MBH	230	164	8.8

Charge additional refrigerant at **liquid piping length (ft.) x 0.36.**

FTQ & RZQ

18 MBH	98	98	5.1
24 MBH	98	98	5.1
30 MBH	230	164	8.8
36 MBH	230	164	8.8
42 MBH	230	164	8.8

Charge additional refrigerant at **liquid piping length (ft) x 0.36 + 1.54.**

- * 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™ 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
MXS SERIES			
	2MXS18NMVJU	Ø 1/4 (2)	Ø 3/8 (1) / Ø 1/2 (1)
	3MXS24NMVJU	Ø 1/4 (3)	Ø 3/8 (1) / Ø 1/2 (1) Ø 5/8 (1)
	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)
RXS	RKS	Ø 3/8	Ø 5/8
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
FTXS30LVJU	Ø 3/8	Ø 5/8
FTXS36LVJU	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

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

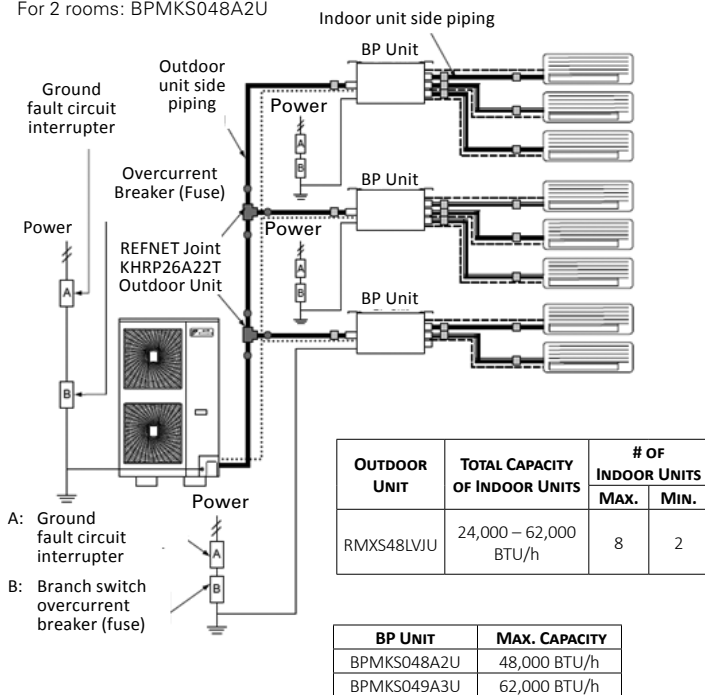
System Layout

8-Zone Multi

BP Unit model

For 3 rooms: BPMKS049A3U

For 2 rooms: BPMKS048A2U



8-Zone Multi

PIPING REQUIREMENTS			
Maximum allowable length	Between outdoor and BP units	Total piping length	Pipe length between outdoor and BP units \leq 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 \leq 49 ft.
Allowable height	Between outdoor and IU	Difference in height	Difference in height between outdoor and indoor units \leq 98 ft.
	Between outdoor and BP units	Difference in height	Difference in height between outdoor and indoor units \leq 98 ft.
	Between BP and BP units	Difference in height	Difference in height between BP and BP units \leq 49 ft.
	Between IU and IU	Difference in height	Difference in height between indoor and indoor units \leq 49 ft.
Minimum allowable length			Pipe length between outdoor unit and first refrigerant branch kit (REFNET joint) \geq 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

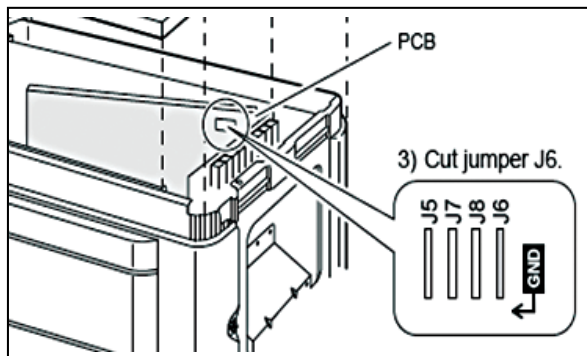
Low Ambient Cooling Operation

⚠ 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.

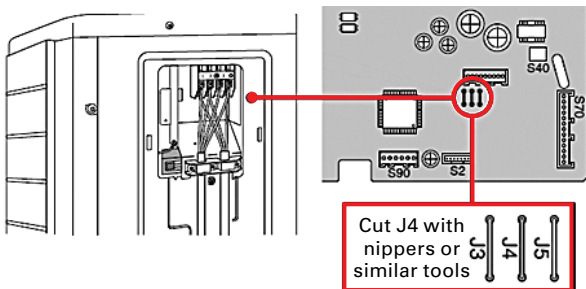
RK09-24 NMVJU, RX09-24 NMVJU, RXL09-15QMVJU

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.



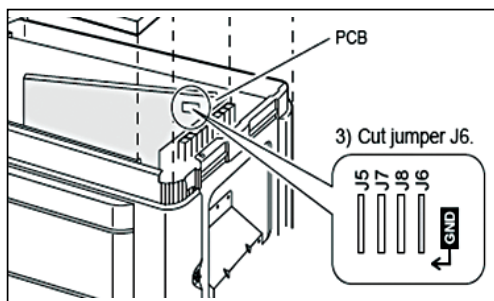
Low Ambient Cooling Operation

⚠ 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.

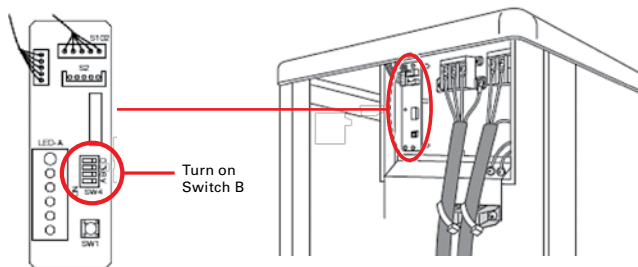
RXS15, 18LVJU

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

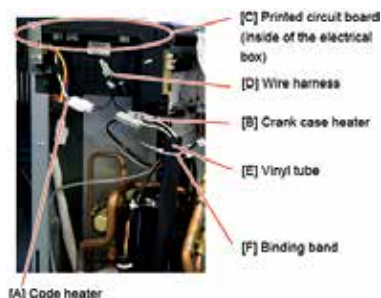
⚠ WARNING – HIGH VOLTAGE

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

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 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.



Test Items

TEST ITEMS	SYMPTOM (DIAGNOSTIC DISPLAY CHECK ON RC)
Indoor and outdoor units are installed properly on solid basis	Fall, vibration, noise
No refrigerant gas leaks.	Incomplete cooling/heating function
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated	Water leakage
Draining line is properly installed	Water leakage
System is properly grounded	Electrical leakage
The specified wires are used for inter-unit wiring	Inoperative or burn damage
Indoor or outdoor unit's air inlet or air outlet has clear path of air. Stop valves are opened.	Incomplete cooling/heating function
Indoor unit properly receives remote control commands	Inoperative
The heat pump or cooling only mode is selectable with the DIP switch of the remote controller	Remote controller malfunctioning



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