# DAIKIN

# DUCTLESS PRODUCTS

## REFERENCE GUIDE

3.16

# WARRANTIES

## 15 Series

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

## 19 Series & 20 Series

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

## LV Series, Quaternity Series, MXL,  & MXS Multi-Zone

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

## SkyAir Light Commercial Series

\* Complete warranty details available from your local dealer or www.daikincomfort.com and www.daikinac.com. Registration is not required to receive this warranty.

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**ENERGY STAR**® and the **ENERGY STAR** mark are registered trademarks owned by the U.S. Environmental Protection Agency. **ENERGY STAR** products are third-party certified by an EPA-recognized Certification Body. Products that earn the **ENERGY STAR** prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency.

This product meets **ENERGY STAR** requirements when appropriate coil components are used. Ask your contractor for details.

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

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

**TABLE OF CONTENTS**

**DAIKIN**

## DUCTLESS 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-4° F, without the need of supplemental heat (on some models). |
| **QUIET OPERATION** | Operating sound levels as low as 22 dB(A) for undisturbed home comfort. |

*Compared to 14 SEER Unitary System

**DAIKIN**

# 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

**30%** LESS ENERGY CONSUMPTION* WITH AN INVERTER COMPRESSOR & FAN MOTOR TECHNOLOGY

WORKS BY CONTROLLING A COMPRESSOR LIKE A THROTTLE PEDAL CONTROLS A CAR ENGINE
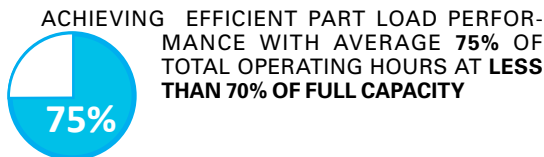
ACHIEVING EFFICIENT PART LOAD PERFORMANCE WITH AVERAGE **75%** OF TOTAL OPERATING HOURS AT **LESS THAN 70% OF FULL CAPACITY**

**75%**

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

# Wall-Mounted

**Ductless Models**

**15 Series |** 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 |** 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***

**20 Series |** 9,000 - 15,000 BTU/h *(Heat Pump Only)*

- 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 |** 9,000 - 36,000 BTU/h *(Heat Pump or Cooling Only)***

- 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 |** 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

**FAQ / FTXS Series |** 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

\*     with optional wind baffle
\*\*    on select models
\*\*\* with optional drain pan heater as applicable

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# Ceiling-Mount and Floor-Standing

## Ductless Models

### 2' X 2' CEILING CASSETTE: FFQ SERIES | 9,000 – 18,000 BTU/h *(Heat Pump)*



- 2, 3 or 4-way airflow pattern
- Built-in condensate pump (up to 22")
- Fresh air intake knockout
- Match with multi-split MXS outdoor models

### SKYAIR ROUNDFLOW CASSETTE: FCQ SERIES | 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
- Match with RZQ Heat Pump or RZR cooling-only models

### SKYAIR CEILING-SUSPENDED: FHQ SERIES | 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
- Match with RZQ Heat Pump or RZR cooling-only outdoor models

### FLOOR-STANDING: FVXS SERIES | 9,000 – 18,000 BTU/h *(Heat Pump Only)*



- Up to 18.0 SEER
- Option to partially recess or flush mount to wall
- Flexible room applications
- Match with RXL, MXL, MXS, and RMXS only

# Ducted Models

### LOW-STATIC (< 0.2) MODELS
**FDXS & CDXS SERIES |** 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 SERIES |** 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

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# Outdoor Units

## SINGLE-ZONE MODELS

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



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

**RXS & RZQ | 18,000 – 42,000 BTU/h** *(Heat Pump or Cooling Only)*



- Up to 20.0 SEER
- Choose from 6 indoor ducted and ductless 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 | 18,000 – 48,000 BTU/h** *(Heat Pump)*



- 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.*

# 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 25 or visit

**www.ecobee.com/contractors**

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# DACA-TS1-1



Current Date and Time

Operation Mode

Navigation Button

Menu Options

Current Set Point

Current Temperature and Humidity
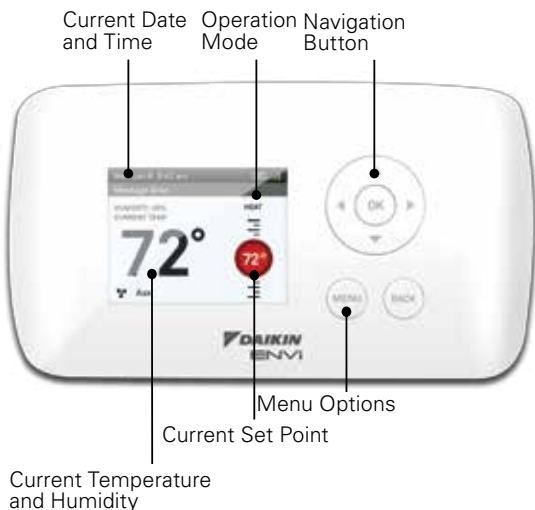
## Features Include:

- 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 and page 58.

# Wireless 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*

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Auto button — AUTO    OFF — Off button

Direct operation buttons — COOL  DRY  HEAT  FAN ONLY

Temperature adjustment button — TEMP °F/°C    ⊕FAN — Fan setting button

⟍ECONO — Econ button

Comfort button — COMFORT  POWERFUL  SWING

Powerful button

Swing button

On Timer button — ON  OFF  CANCEL

Off Timer button

Timer cancel button

TIMER

ARC480A8
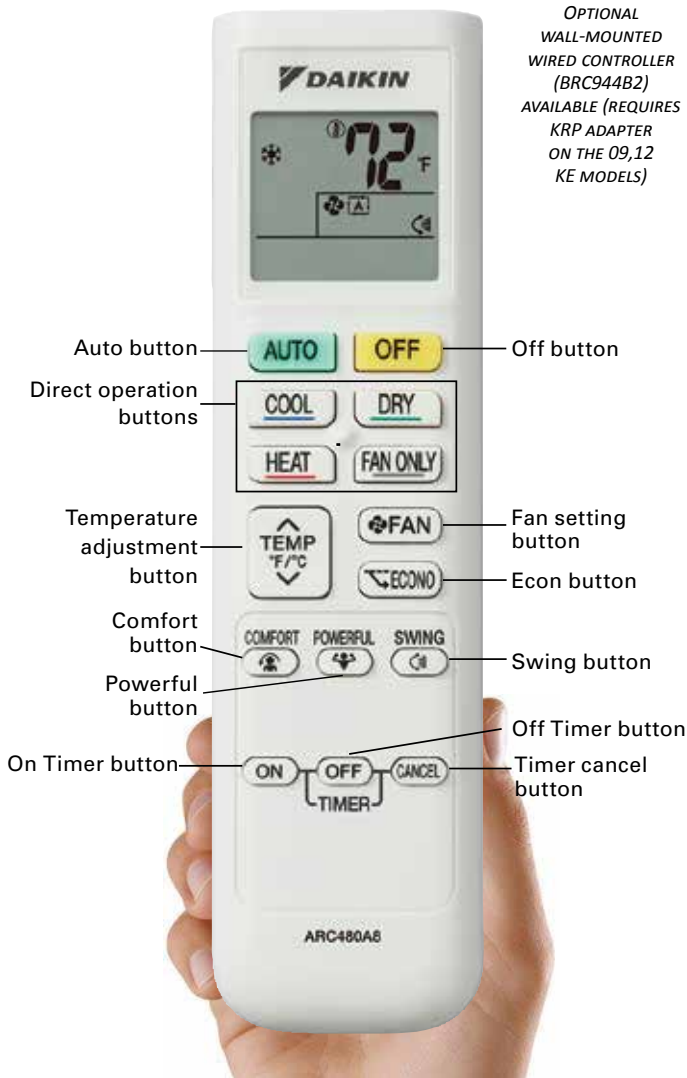
# BRC1E73 Navigation Controller

**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

**DAIKIN**

# 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

Operation Mode

Fan Speed

Room Temp

Current Date/Time

Set point

Backlit Display

On/Off

Menu/OK

Cancel

Operation Mode Selector

Menu Navigation Control

Fan Speed Control
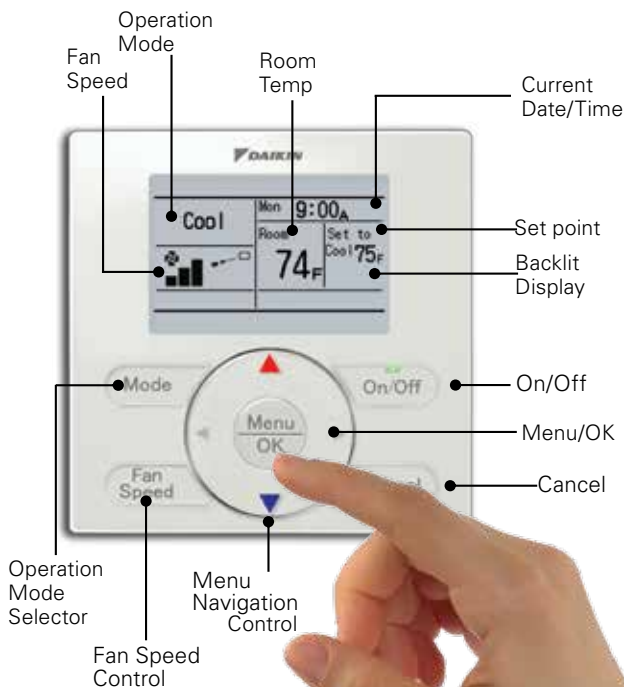
# Recommended Installation Tools

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.

- ☐ 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

- ☐ Tool Kit : DACA-99STK-1
  (*  included in kit)

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# Ductless Selling Tips



Look for opportunities to sell Daikin Ductless 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, 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
- ☐ Sunrooms, porches, basements, attics, additions

### 3. Introduce Daikin Ductless systems features and benefits.

- ☐ Next generation heating and cooling
- ☐ Ductless 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 Daikin ENVi Intelligent Thermostats.

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

### 5. Include Daikin Ductless system options with your proposal and differentiate from the competition.

- ☐ Go beyond traditional ductless 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

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# Ductless 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

**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.

**DAIKIN**

# 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 ductless systems.
- Familiarize customers with all features provided on the Remote functionality, please see the Controller Quick User Guides:
  - BRC944B2 Controller Quick User Guide
  - ARC433 A51/A53/A63 Controller Quick User Guide
  - ARC447A3 Quaternity Controller Quick User Guide

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

- Introduce the features of Daikin ENVi Intelligent Thermostats.
    - Wi-Fi set-up
    - PC, smart phone, 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-split & Super Multi).

## Recommended Ductless 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

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# 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.



*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**

# Daikin eQuip



**Enhance the way you do business with Daikin eQuip, Daikin's FREE mobile app that gives you Ductless 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***.**

# Dr. Daikin

Dr. Daikin is a quick and easy way to identify fault codes related to Daikin systems. By simply texting the code to a special number, or entering the code on the website, information will be received as to:

- The applicable product family
- Whether the code is related to an indoor or outdoor unit
- Identification of the fault code, and
- Several possible causes of the fault.

**Web: http:www.drdaikin.com**

**Mobile Web: http://mobile.drdaikin.com**

Enter the error code and check the box indicating agreement to the disclaimers and click the blue arrow. The explanation will be instantly displayed along with the applicable component (indoor unit, outdoor unit, or system), applicable product family, and two to four possible causes.

**Text Messaging**
Send the word "Error" and the code to the following number: 32075. For example "Error A3". Please note there must be a space between the words "Error" and "A3". Press send. Receive a reply within 30 seconds.

Note: the system is not case sensitive; for convenience you may choose to send "error a3" in place of "Error A3".

These tools are intended as general guidelines for troubleshooting, and are not meant to be a substitute for Daikin's printed service materials. If you have any questions please call Daikin Technical Support at 1-866-4-DAIKIN, email to techsupport@daikinac.com.

# 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.daikincomfort.com

# Nomenclature

**How to Read Model Numbers – Outdoor Units**

## SINGLE ZONE

| R | X | S | 09 | L | VJ | U |
|---|---|---|----|---|----|----|

**UNIT CATEGORY**
R: Air-Cooled,
   Single-Split
   Outdoor Unit

**SYSTEM TYPE**
X: R-410A Heat Pump
K: R-410A Cooling Only

**EFFICIENCY LEVEL**
N: Standard       S: High
_: Mid (Blank)    G: Highest
L : Low Ambient

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
09: 9,000 BTU/h      18: 18,000 BTU/h
12: 12,000 BTU/h     24: 24,000 BTU/h
15: 15,000 BTU/h

## MULTI-ZONE

| 4 | M | X | S | 36 | NM | VJ | U |
|---|---|---|---|----|----|----|----|

**SYSTEM TYPE**
2: 2-Port
3: 3-Port
4 : 4-Port

**UNIT CATEGORY**
M: Multi-Split Outdoor Unit
   (Air-Cooled)

**SYSTEM TYPE**
X: R-410A Heat Pump

**EFFICIENCY LEVEL**
S: High
L : Low Ambient

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
18: 18,000 BTU/h     36: 36,000 BTU/h
24: 24,000 BTU/h     48: 48,000 BTU/h

### Single & Multi-Split Systems (9,000 – 48,000 BTU/h)

- For residential and light commercial buildings
- High heating capacity at lower ambient temperatures

**DAIKIN**

# Nomenclature  Ductless Split Systems

**How to Read Model Numbers – Indoor Units**

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

| FT | X | S | 09 | L | VJ | U |

**INDOOR TYPE**
CD: Slim Duct*
CT: Wall-Mount*
F : Indoor Unit
FD: Slim Duct
FT: Wall-Mount

**SYSTEM TYPE**
F: 2' x 2' Ceiling Cassette
X: R-410A Heat Pump
   (High Efficiency)
   or Cooling Only
   (Standard Efficiency)

**EFFICIENCY LEVEL**
G: Highest          S: High
N: Standard        _: Mid (Blank)
Q: R-410A Heat Pump
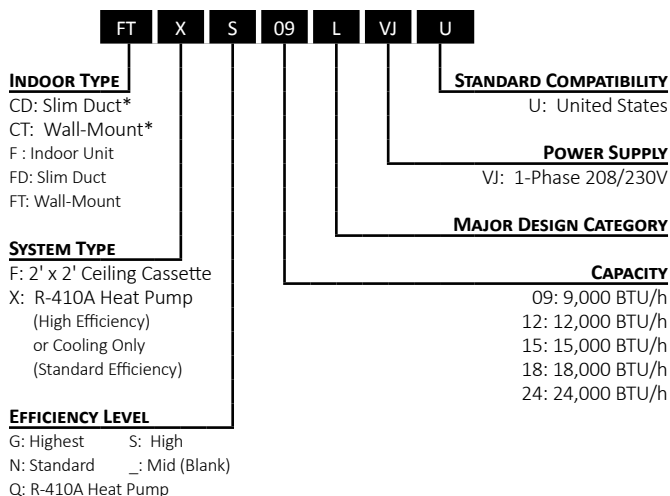
\* Compatible with multi-split MXS outdoor units only

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
09: 9,000 BTU/h
12: 12,000 BTU/h
15: 15,000 BTU/h
18: 18,000 BTU/h
24: 24,000 BTU/h

## Single & Multi-Split Systems (9,000 – 48,000 BTU/h)

- Precise temperature control for individual comfort
- Whisper, quiet operating sounds as low as 22 dB(A)
- Discreet, modern design made to blend with any decor

# Nomenclature

**SkyAir Ductless System**

**How to Read Model Numbers**

R   Z   Q   18   P   VJ   U

**UNIT TYPE**
R: Outdoor Unit

**REFRIGERANT TYPE**
Z: R-410A

**SYSTEM TYPE**
Q: Heat Pump
R: Cooling Only

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
18: 18,000 BTU/h    36: 36,000 BTU/h
24: 24,000 BTU/h    42: 42,000 BTU/h
30: 30,000 BTU/h

R   X   S   30   L   VJ   U

**UNIT TYPE**
R: Outdoor Unit

**SYSTEM TYPE**
X: Heat Pump
K: Cooling Only

**EFFICIENCY LEVEL**
S: High

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
30: 30,000 BTU/h
36: 36,000 BTU/h

## 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

**✔DAIKIN**

# Nomenclature

**How to Read Model Numbers**

| F | C | Q | 18 | PA | VJ | U |
|---|---|---|----|----|----|---|

**UNIT TYPE**
F: Indoor Unit

**INDOOR TYPE**
A: Wall-Mount Unit
B: DC Duct
C: Roundlfow Cassette
H: Ceiling Suspended
T: Unitary

**SYSTEM TYPE**
Q: R-410A Heat Pump
or Cooling Only

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
18: 18,000 BTU/h    36: 36,000 BTU/h
24: 24,000 BTU/h    42: 42,000 BTU/h
30: 30,000 BTU/h

| FT | X | S | 30 | L | VJ | U |
|----|---|---|----|----|----|---|

**UNIT TYPE**
FT: Wall-Mount

**SYSTEM TYPE**
Q: R-410A Heat Pump
or Cooling Only

**EFFICIENCY LEVEL**
S: High

**STANDARD COMPATIBILITY**
U: United States

**POWER SUPPLY**
VJ: 1-Phase 208/230V

**MAJOR DESIGN CATEGORY**

**CAPACITY**
30: 30,000 BTU/h
36: 36,000 BTU/h

## 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

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*✔* **DAIKIN** | 35

# 15 Series Specs

**Wall-Mounted Ductless Heat Pump or Cooling Only**

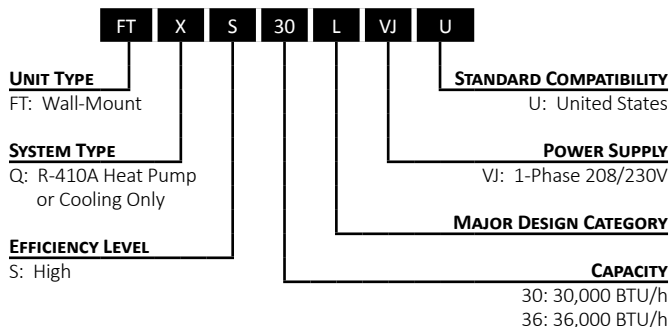| Nominal Tons | | | .75 Ton |
|---|---|---|---|
| **Indoor Model#** | Heat Pump | | **FTXN09NMVJU** |
| **Outdoor Model#** | Heat Pump | | **RXN09NMVJU** |
| **Indoor Model#** | Cooling Only | | **FTKN09NMVJU** |
| **Outdoor Model#** | Cooling Only | | **RKN09NMVJU** |
| Cooling Capacity (Rated) | BTU/h | | 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 | | | 3.6 / 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. | | ⅜ |
| Condensate Drain | in. | | ⅝ |
| Max. Piping Length | ft. | | 49 |
| Max. Piping Height | ft. | | 39 |
| Indoor Dimensions (H x W x D) | in. | | 11¼ x 30⅜ x 8¾ |
| Outdoor Dimensions (H x W x D) | in. | | 21⅝ x 26½ x 11⅛ |
| Operating Range - Cooling | °F DB | | 50 - 115 |
| Operating Range - Heating* | °F DB | | 5 - 75 |

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

DAIKIN

| 1.0 Ton | 1.5 Ton | 2.0 Ton |
|---|---|---|
| **FTXN12NMVJU** | **FTXN18NMVJU** | **FTXN24NMVJU** |
| **RXN12NMVJU** | **RXN18NMVJU** | **RXN24NMVJU** |
| **FTKN12NMVJU** | **FTKN18NMVJU** | **FTKN24NMVJU** |
| **RKN12NMVJU** | **RKN18NMVJU** | **RKN24NMVJU** |
| 12,000 | 17,100 | 22,000 |
| 4,400-13,000 | 4,400-18,000 | 5,100-23,000 |
| 12,000 | 18,000 | 22,000 |
| 4,400-14,000 | 4,400-18,000 | 5,100-25,400 |
| 15 / 8.2 | 15 / 8.2 | 15 / 8.2 |
| 3.3 / 10.5 | 3.2 / (11.0AC & 12.2HP) | 3.2 / 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 |
| ¼ | ¼ | ¼ |
| ⅜ | ½ | ⅝ |
| ⅝ | 11⁄16 | 11⁄16 |
| 49 | 98.2 | 98.2 |
| 39 | 65.6 | 65.6 |
| 11¼ x 30⅜ x 8¾ | 11⅝ x 39 x 10⅜ | 11⅝ x 39 x 10⅜ |
| 21⅝ x 26½ x 11⅛ | 29 x 34¼ x 12⅝ | 29 x 34¼ x 12⅝ |
| 50 - 115 | 50 - 115 | 50 - 115 |
| 5 - 75 | 5 - 75 | 5 - 75 |

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# 19 Series Specs

**Wall-Mounted Ductless Heat Pump or Cooling Only**


ENERGY STAR

| 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. | ¼ |
| Gas Piping Connections (O.D.) | | in. | ⅜ |
| Condensate Drain | | in. | ⅝ |
| Max. Piping Length | | ft. | 65.6 |
| Max. Piping Height | | ft. | 49.2 |
| Indoor Dimensions (H x W x D) | | in. | 11¼ x 30⅜ x 8¾ |
| Outdoor Dimensions (H x W x D) | | in. | 21⅝ x 26½ x 11⅛ |
| Operating Range - Cooling | | °F DB | 50 - 115 |
| Operating Range - Low-Ambient Cooling** | | °F DB | 14 - 115 |
| Operating Range - Cooling w/ Optional Wind Baffle** | | °F DB | -4 - 115 |
| Operating Range - Heating* | | °F DB | 5 - 75 |
| Operating Range - Heating w/ optional drain pan heater as applicable | | °F DB | ⁻4 - 75 |

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

DAIKIN

| 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 |
| ¼ | ¼ | ¼ |
| ⅜ | ½ | ⅝ |
| ⅝ | ¹¹⁄₁₆ | ¹¹⁄₁₆ |
| 65.6 | 98.2 | 98.2 |
| 49.2 | 65.6 | 65.6 |
| 11¼ x 30⅜ x 8¾ | 11⅝ x 39 x 10⅜ | 11⅝ x 39 x 10⅜ |
| 21⅝ x 26½ x 11⅛ | 29 x 34¼ x 12⅝ | 29 x 34¼ x 12⅝ |
| 50 - 115 | 50 - 115 | 50 - 115 |
| 14 - 115 | 14 - 115 | 14 - 115 |
| -4 - 115 | -4 - 115 | -4 - 115 |
| 5 - 75 | 5 - 75 | 5 - 75 |
| ⁻4 - 75 | ⁻4 - 75 | ⁻4 - 75 |

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This product meets **ENERGY STAR** requirements when appropriate coil components are used. Ask your contractor for details.

# 20 Series Specs

## Enhanced-Capacity
## Wall-Mounted Ductless Heat Pumps


ENERGY STAR

| 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. | ¼ |
| Gas Piping Connections (O.D.) | | in. | ⅜ |
| Condensate Drain | | in. | ⅝ |
| Max. Piping Length | | ft. | 65.6 |
| Max. Piping Height | | ft. | 49.2 |
| Indoor Dimensions (H x W x D) | | in. | 11¼ x 30⅜ x 8¾ |
| Outdoor Dimensions (H x W x D) | | in. | 21⅝ x 26½ x 11⅛ |
| Operating Range - Cooling | | °F DB | 50 - 115 |
| Operating Range - Low-Ambient Cooling** | | °F DB | 14 - 115 |
| Operating Range - Cooling w/ Optional Wind Baffle** | | °F DB | -4 - 115 |
| Operating Range - Heating* | | °F DB | 5 - 75 |
| Operating Range - Heating w/ optional drain pan heater as applicable | | °F DB | -13 - 75 |

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

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This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details.

| YES | YES |
|---|---|
| **1.0 TON** | **1.5 TON** |
| **FTX12NMVJU** | **FTX15NMVJU** |
| **RXL12QMVJU** | **RXL15QMVJU** |
| 10,900 | 15,000 |
| 4,400-13,300 | 5,800-18,400 |
| 13,600 | 18,300 |
| 4,400 - 18,800 | 5,800 - 24,600 |
| 20/ 12 | 20/ 12.5 |
| 3.9/ 12.5 | 4.0/ 13.0 |
| 208-230V / 1 Ph | 208-230V / 1 Ph |
| 13.0 | 13.0 |
| 15 | 15 |
| ¼ | ¼ |
| ⅜ | ½ |
| ⅝ | ⅝ |
| 65.6 | 98.5 |
| 49.2 | 65.6 |
| 11¼ x 30⅜ x 8¾ | 11⅝ x 39 x 10⅜ |
| 21⅝ x 26½ x 11⅛ | 28¹⁵⁄₁₆ x 34¼ x 12⅝ |
| 50 - 115 | 50 - 115 |
| 14 - 115 | 14 - 115 |
| -4 - 115 | -4 - 115 |
| 5 - 75 | 5 - 75 |
| -13 - 75 | -13 - 75 |

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This product meets **ENERGY STAR** requirements when appropriate coil components are used. Ask your contractor for details.

# 20 Series Specs

## Enhanced-Capacity
## Floor-Standing Ductless Heat Pumps


ENERGY STAR

| ENERGY STAR® Certified | | | 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. | ¼ |
| Gas Piping Connections (O.D.) | | in. | ⅜ |
| 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. | 23⅝ x 27⁹⁄₁₆ x 8¼ |
| Outdoor Dimensions (H x W x D) | | in. | 21⅝ x 26 ⁹⁄₁₆ x 11 ³⁄₁₆ |
| Operating Range - Cooling | | °F DB | 50 - 115 |
| Operating Range - Low-Ambient Cooling** | | °F DB | 14 - 115 |
| Operating Range - Cooling w/ Optional Wind Baffle** | | °F DB | -4 - 115 |
| Operating Range - Heating* | | °F DB | 5 - 75 |
| Operating Range - Heating w/ optional drain pan heater as applicable | | °F DB | -13 - 75 |

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

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This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details.

DAIKIN

| NO | YES |
|---|---|
| **1.0 TON** | **1.5 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 | 3.8/ 12.5 |
| 208-230V / 1 Ph | 208-230V / 1 Ph |
| 13.0 | 13.0 |
| 15 | 15 |
| ¼ | ¼ |
| ⅜ | ½ |
| $^{13}/_{16}$ | $^{13}/_{16}$ |
| 65.6 | 98.5 |
| 49.2 | 65.6 |
| 23⅝ x 27$^9/_{16}$ x 8¼ | 23⅝ x 27$^9/_{16}$ x 8¼ |
| 21⅝ x 26 $^9/_{16}$ x 11 $^3/_{16}$ | 28$^{15}/_{16}$ x 34¼ x 12⅝ |
| 50 - 115 | 50 - 115 |
| 14 - 115 | 14 - 115 |
| -4 - 115 | -4 - 115 |
| 5 - 75 | 5 - 75 |
| -13 - 75 | -13 - 75 |

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# LV Series Specs

## Wall-Mounted Ductless Heat Pump


ENERGY STAR

| 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 − 10,600 |
| Heating Capacity (Rated)* | BTU/h | 12,000 |
| Heating Capacity (Min − Max)* | BTU/h | 4,400 − 15,600 |
| 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 1/4 |
| Gas Piping Connections (O.D.) | in. | Ø 3/8 |
| Condensate Drain | in. | Ø 5/8 |
| Max. Piping Length | ft. | 65.6 |
| Max. Piping Height | ft. | 49.2 |
| Indoor Dimensions (H x W x D) | in. | 11⅝ x 31½ x 8⁷⁄₁₆ |
| Outdoor Dimensions (H x W x D) | in. | 21⅝ x 30⅛ x 11¼ |

This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details.

DAIKIN

| 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 − 13,800 | 5,800 − 18,000 | 5,800 − 21,600 | 7,800 − 25,800 |
| 14,400 | 18,000 | 21,600 | 25,400 |
| 4,800 − 18,000 | 5,800 − 22,300 | 5,800 − 26,700 | 7,800 − 31,400 |
| 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 1/4 | Ø 1/4 | Ø 1/4 | Ø 1/4 |
| Ø 3/8 | Ø 1/2 | Ø 1/2 | Ø 5/8 |
| Ø 5/8 | Ø 5/8 | Ø 5/8 | Ø 5/8 |
| 65.6 | 98.4 | 98.4 | 98.4 |
| 49.2 | 65.6 | 65.6 | 65.6 |
| 11⅜ x 31½ x 8$^7$/$_{16}$ | 13⅜ x 4$^{15}$/$_{16}$ x 9¾ | | |
| 21⅝ x 30⅛ x 11¼ | 28$^{15}$/$_{16}$ x 32½ x 11$^{13}$/$_{16}$ | | 30$^5$/$_{16}$ x 35$^7$/$_{16}$ x 12⅝ |

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This product meets **ENERGY STAR** requirements when appropriate coil components are used. Ask your contractor for details.

# LV Series Specs

**Slim-Duct Heat Pump**
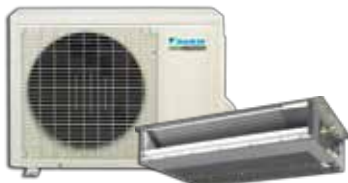
| Nominal Tons | | 0.75 Ton | 1.0 Ton |
|---|---|---|---|
| Indoor Model# | | FDXS09LVJU | FDXS12LVJU |
| Outdoor Model# | | RXS09LVJU | RXS12LVJU |
| Cooling Capacity (Rated) | BTU/h | 8,500 | 11,500 |
| Cooling Capacity (Min – Max) | BTU/h | 4,400 – 8,500 | 4,800 – 11,500 |
| Heating Capacity (Rated)* | 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. | 7⅞ x 27⁹/₁₆  x 27⁷/₁₆ | |
| Outdoor Dimensions (H x W x D) | in. | 21⅝ x 30⅛ x 11¼ | |

\* Refer to installation manual for more details.

# Quaternity Specs

## Wall-Mounted Ductless Heat Pump

| ENERGY STAR® CERTIFIED | | YES | YES | YES |
|---|---|---|---|---|
| NOMINAL TONS | | 0.75 TON | 1.0 TON | 1.25 TON |
| 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$\frac{1}{32}$ x 8$\frac{7}{32}$ | | |
| Outdoor Dimensions (H x W x D) | in. | 22$\frac{3}{8}$ x 31$\frac{9}{32}$ x 11$\frac{7}{32}$ | | |

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This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details.

# MXL Specs

## High-Capacity, Low-Ambient
## Multi-Split Ductless Outdoor Unit

| OUTDOOR MODELS | | 2MXL18QMVJU | 3MXL24QMVJU |
|---|---|---|---|
| Nominal Capacity | BTU/h | 18,000 | 24,000 |
| Cooling Capacity (Rated) | BTU/h | 18,000 | 24,000 |
| Cooling Capacity (Rated-Max) | BTU/h | 18,000 - 24,000 | 24,000 - 30,000 |
| Heating Capacity (Rated) | BTU/h | 18,900 | 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 | --- | 17 / 12.7 | 17.9 / 12.7 |
| COP / HSPF | --- | 4.2 / 10.3 | 4.56 / 12.5 |
| Power Supply | V/φ/Hz | 208-230/1/60 | 208-230/1/60 |
| 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 |
| Operating Range - Cooling | FDB | 14 - 115 | 14 - 115 |
| Operating Range - Low Ambient Cooling | FDB | --- | --- |
| Operating Range - w/ wind baffle | FDB | --- | --- |
| Operating Range - Heating | FDB | 5-75 | 5-75 |
| Operating Range - w/ drain pan heater as applicable | FDB | -13-75 | -13-75 |
| Max Piping Length | ft | 164 | 230 |
| Max Piping Height | ft | 49¼ | 49¼ |
| Dimensions (HxWxD) | in. | 28$^{15}$⁄$_{16}$ x 34¼ x 12⅜ | |
| Net Weight | lbs | 139 | 140 |

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This product meets ENERGY STAR requirements when appropriate coil components are used. Ask your contractor for details.

| | | **2MXL18QMVJU** | **3MXL24QMVJU** |
|---|---|:---:|:---:|
| **WALL-MOUNTED** | CTXS07LVJU | x | x |
| | FTXS09LVJU | x | x |
| | FTXS12LVJU | x | x |
| | FTXS15LVJU | x | x |
| | FTXS18LVJU | | x |
| **2x2 CASSETTE** | FFQ09LVJU | x | x |
| | FFQ12LVJU | x | x |
| | FFQ15LVJU | x | x |
| | FFQ18LVJU | | 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 |
| | CDXS24LVJU | | |

PRODUCT

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# MXS Specs

## Multi-Split Ductless Outdoor Unit

| Outdoor Model# | | 2MXS18NMVJU | 3MXS24NMVJU |
|---|---|---|---|
| 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 |
| Max Connected Capacity | BTU/h | 24,000 | 39,000 |
| Min-Max No. of Indoor Units | | 2 | 2-3 |
| Power Supply | 60 Hz | 208-230V / 1 Ph | 208-230V / 1 Ph |
| 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 34¼ x 12⅝ | 29 x 34¼ x 12⅝ |
| SEER/ EER/ HSPF/ COP | Ductless | 18.9/12.5/10.7/4.1* | 17.9/12.7/12.5/4.6* |
| | Mixed | 16.5/11.0/9.5/4.1 | 15.9/11.2/10.4/3.2 |
| | Ducted | 14.0/9.5/8.2/4.1 | 14.0/9.7/8.2/3.9 |
| Operating Range - Cooling | °F DB | 14 - 115 | 14 - 115 |
| Operating Range - Heating | °F DB | 5 - 75 | 5 - 75 |
| Operating Range - Heating with Optional Drain Pan Heater as applicable | °F DB | -4 - 75 | -4 - 75 |

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This product meets **ENERGY STAR** requirements when appropriate coil components are used. Ask your contractor for details.

| | | 2MXS18NMVJU | 3MXS24NMVJU | 4MXS36NMVJU | RMXS48LVJU |
|---|---|---|---|---|---|
| **WALL-MOUNTED** | CTXS07JVJU | x | x | x | x |
| | 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 |

DAIKIN

| 4MXS36NMVJU | RMXS48LVJU |
|---|---|
| 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 34¼ x 12 | 52$^{15}$/$_{16}$ x 35$^{7}$/$_{16}$ x 12⅜ |
| 17.7/9.2/12.2/4.5 | 18.8/11.3/10.3/3.0 |
| 15.9/8.5/10.2/3.4 | 16.5/10.5/9.8/2.9 |
| 14.0/7.9/8.2/3.9 | 14.1/9.6/9.3/2.7 |
| 14 - 115 | 14 - 115 |
| 5 - 75 | 5 - 75 |
| -4 - 75 | -4 - 75 |



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 | FFQ09LVJU | x | x | x | x |
| | FFQ12LVJU | x | x | x | x |
| | FFQ15LVJU | x | x | x | x |
| | FFQ18LVJU | | 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 |

# MXL / MXS Specs

**Indoor Units**

## Wall-Mounted Units

| Indoor Model# | | CTXS07LVJU | FTXS09LVJU |
|---|---|---|---|
| Cooling Capacity (Nominal) | BTU/h | 7,000 | 9,000 |
| Heating Capacity (Nominal) | BTU/h | 8,500 | 12,000 |
| Liquid Piping Connection (O.D.) | in. | $\varnothing$ 1/4 | $\varnothing$ 1/4 |
| Gas Piping Connection (O.D.) | in. | $\varnothing$ 3/8 | $\varnothing$ 3/8 |
| Condensate Drain | in. | $\varnothing$ 5/8 | $\varnothing$ 5/8 |
| Indoor Dimensions (H x W x D) | in. | 11⅝ x 31½ x 8⁷⁄₁₆ | 11⅝ x 31½ x 8⁷⁄₁₆ |

## Slim-Duct Units

| Indoor Model# | | FDXS09LVJU |
|---|---|---|
| Rated Capacity Class | BTU/h | 9,000 |
| External Static Pressure | "W.G. | 0.12 |
| Liquid Piping Connection (O.D.) | in. | $\varnothing$ 1/4 |
| Gas Piping Connection (O.D.) | in. | $\varnothing$ 3/8 |
| Condensate Drain | in. | $\varnothing$ 1-1/32 |
| Indoor Dimensions (H x W x D) | in. | 7⅞ x 27⁹⁄₁₆ x 24⁷⁄₁₆ |

## 2' X 2' Ceiling Cassette Units

| Indoor Model# | | FFQ09LVJU |
|---|---|---|
| Cooling Capacity (Nominal) | BTU/h | 9,500 |
| Heating Capacity (Nominal) | BTU/h | 11,100 |
| Liquid Piping Connection (O.D.) | in. | $\varnothing$ 1/4 |
| Gas Piping Connection (O.D.) | in. | $\varnothing$ 3/8 |
| Condensate Drain | in. | $\varnothing$ 1-1/32 |
| Indoor Dimensions (H x W x D) | in. | 11¼ x 22⅝ x 22⅝ |

## Floor-Standing Units

| Indoor Model# | | FVXS09NVJU |
|---|---|---|
| Cooling Capacity (Nominal) | BTU/h | 9,000 |
| Heating Capacity (Nominal) | BTU/h | 12,000 |
| Liquid Piping Connection (O.D.) | in. | $\varnothing$ 1/4 |
| Gas Piping Connection (O.D.) | in. | $\varnothing$ 3/8 |
| Condensate Drain | in. | $\varnothing$ 1 |
| Indoor Dimensions (H x W x D) | in. | 23⅝ x 27½ x 8¼ |

**DAIKIN**

| FTXS12LVJU | FTXS15LVJU | FTXS18LVJU | FTXS24LVJU |
|---|---|---|---|
| 12,000 | 15,000 | 18,000 | 21,500 |
| 14,400 | 18,000 | 21,600 | 25,400 |
| Ø 1/4 | Ø 1/4 | Ø 1/4 | Ø 1/4 |
| Ø 3/8 | Ø 1/2 | Ø 1/2 | Ø 5/8 |
| Ø 5/8 | Ø 5/8 | Ø 5/8 | Ø 5/8 |
| 11⁷/₁₆ x 3¹⁵/₁₆ x 9⅜ | | 13⅜ x 41⅝ x 9¾ | |

| FDXS12LVJU | CDXS15LVJU | CDXS18LVJU | CDXS24LVJU |
|---|---|---|---|
| 12,00 | 15,000 | 18,000 | 24,000 |
| 0.12 | 0.16 | 0.16 | 0.16 |
| Ø 1/4 | Ø 1/4 | Ø 1/4 | Ø 1/4 |
| Ø 3/8 | Ø 1/2 | Ø 1/2 | Ø 5/8 |
| Ø 1-1/32 | Ø 1¹/₃₂ | Ø 1-1/32 | Ø 1¹/₃₂ |
| 7⅞ x 27⁹/₁₆ x 24⁷/₁₆ | | 7⅞ x 35⁷/₁₆ x 24⁷/₁₆ | |

| FFQ12LVJU | FFQ15LVJU | FFQ18LVJU |
|---|---|---|
| 12,000 | 15,000 | 18,000 |
| 14,000 | 17,500 | 21,500 |
| Ø 1/4 | Ø 1/4 | Ø 1/4 |
| Ø 3/8 | Ø 1/2 | Ø 1/2 |
| Ø 1-1/32 | Ø 1-1/32 | Ø 1-1/32 |
| | 11¼ x 22⅝ x 22⅝ | |

Controller is not included on the FFQ models. BRC1E72 & BRC7E830 are compatible controllers for the FFQ's.

| FVXS12NVJU | FVXS15NVJU | FVXS18NVJU |
|---|---|---|
| 12,000 | 15,000 | 18,000 |
| 14,400 | 18,000 | 21,600 |
| Ø 1/4 | Ø 1/4 | Ø 1/4 |
| Ø 3/8 | Ø 1/2 | Ø 1/2 |
| Ø 1 | Ø 1 | Ø 1 |
| | 23⅝ x 27½ x 8¼ | |

# FAQ Series

**Wall-Mounted Ductless 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 3/8 | Ø 3/8 |
| Gas Piping Connections (O.D.) | in. | Ø 5/8 | Ø 5/8 |
| Condensate Drain | in. | Ø 11/16 | Ø 11/16 |
| Dimensions (H x W x D) | in. | 11⅜ x 41⅜ 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. | 11⅜ x 41⅜ x 9 | |
| Outdoor Dimensions (H x W x D) | in. | 305/16 x 357/16 x 12⅝ | |

\* Available on Heat Pump models only

**DAIKIN**

# FTXS Series

## Wall-Mounted Ductless Heat Pump or Cooling Only Units



| 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 3/8 | Ø 3/8 |
| Gas Piping Connections (O.D.) | in. | Ø 5/8 | Ø 5/8 |
| Condensate Drain | in. | Ø 5/8 | Ø 5/8 |
| Max. Piping Length | ft. | 98.4 | 98.4 |
| Max. Piping Height | ft. | 65.6 | 65.6 |
| Indoor Dimensions (H x W x D) | in. | 13⅜ x 47¼ x 9⁷⁄₁₆ | |
| Outdoor Dimensions (H x W x D) | in. | 38¹⁵⁄₁₆ x 37 x 12⅝ | |

*Available on Heat Pump models only

PRODUCT

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# 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 1/4 |
| Gas Piping Connections (O.D.) | in. | Ø 1/2 |
| Condensate Drain | in. | Ø 1-1/4 |
| Max. Piping Length | ft. | 164 |
| Max. Piping Height | ft. | 98 |
| Indoor Dimensions (H x W x D) | in. | $11\frac{13}{16}$ x $39\frac{3}{8}$ x $27\frac{9}{16}$ |
| Outdoor Dimensions (H x W x D) | in. | $30\frac{5}{16}$ x $35\frac{7}{16}$ x $12\frac{5}{8}$ |

* Available on Heat Pump models only

DAIKIN

| **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 3/8 | Ø 3/8 | Ø 3/8 | Ø 3/8 |
| Ø 5/8 | Ø 5/8 | Ø 5/8 | Ø 5/8 |
| Ø 1-1/4 | Ø 1-1/4 | Ø 1-1/4 | Ø 1-1/4 |
| 164 | 164 | 230 | 230 |
| 98 | 98 | 164 | 164 |
| $11\frac{13}{16}$ x $55\frac{1}{8}$ x $27\frac{9}{16}$ | | | |
| $52\frac{15}{16}$ x $35\frac{7}{16}$ x $12\frac{5}{8}$ | | | |

# FCQ Series

**Roundflow 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 1/4 |
| Gas Piping Connections (O.D.) | in. | Ø 1/2 |
| Condensate Drain | in. | Ø 1-1/4 |
| Max. Piping Length | ft. | 164 |
| Max. Piping Height | ft. | 98 |
| Indoor Dimensions (H x W x D) | in. | $9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$ |
| Outdoor Dimensions (H x W x D) | in. | $30^{5}/_{16}$ x $35^{7}/_{16}$ x $12^{5}/_{8}$ |

*Available on Heat Pump models only

**SkyAir**

PRODUCT

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| 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 3/8 | Ø 3/8 | Ø 3/8 | Ø 3/8 |
| Ø 5/8 | Ø 5/8 | Ø 5/8 | Ø 5/8 |
| Ø 1-1/4 | Ø 1-1/4 | Ø 1-1/4 | Ø 1-1/4 |
| 164 | 164 | 230 | 230 |
| 98 | 98 | 164 | 164 |
| $9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$ | | $11^{5}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$ | |
| $30^{5}/_{16}$ x $35^{7}/_{16}$ x $12^{5}/_{8}$ | | $52^{15}/_{16}$ x $35^{7}/_{16}$ x $12^{5}/_{8}$ | |

# FHQ Series

**Ceiling Suspended Ductless 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 3/8 |
| Gas Piping Connections (O.D.) | in. | Ø 5/8 |
| 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 62⅝ x 26¾ |
| Outdoor Dimensions (H x W x D) | in. | $30^{5}/_{16}$ x $35^{7}/_{16}$ x 12⅝ |

*Available on Heat Pump models only

DAIKIN

| 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 3/8 | Ø 3/8 | Ø 3/8 | Ø 3/8 |
| Ø 5/8 | Ø 5/8 | Ø 5/8 | Ø 5/8 |
| Ø 1 | Ø 1 | Ø 1 | Ø 1 |
| 164 | 164 | 230 | 230 |
| 98 | 98 | 164 | 164 |
| $7^{11}/_{16}$ x 62⅝ x 26¾ | | | |
| $30^{5}/_{16}$ x 35$^{7}/_{16}$ x 12⅝ | | $52^{15}/_{16}$ x 35$^{7}/_{16}$ x 12⅝ | |

PRODUCT

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# 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 3/8 |
| Gas Piping Connections (O.D.) | ft. | Ø 5/8 |
| 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. | 48⅛ x 22 x 26 |
| Outdoor Dimensions (H x W x D) | in. | 30$\frac{5}{16}$ x 35$\frac{7}{16}$ x 12⅜ |

DAIKIN

| 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 | | | |
| $\varnothing$ 3/8 | $\varnothing$ 3/8 | $\varnothing$ 3/8 | $\varnothing$ 3/8 |
| $\varnothing$ 5/8 | $\varnothing$ 5/8 | $\varnothing$ 5/8 | $\varnothing$ 5/8 |
| $\varnothing$ 1 | $\varnothing$ 1 | $\varnothing$ 1 | $\varnothing$ 1 |
| 98.0 | | 230.0 | |
| 98.0 | | 164.0 | |
| 48⅛ x 22 x 26 | 58¼ x 22 x 26 | | |
| 30⁵/₁₆ x 35⁷/₁₆ x 12⅝ | 52¹⁵/₁₆ x 35⁷/₁₆ x 12⅝ | | |

# Accessories



| Item # | Item Description |
|---|---|
| **Controller Options** | |
| BRC7E830 | Wireless Remote Control Kit |
| BRC944B2 | Wired Remote Controller |
| BRCW901A03 | Wired Controller Cord - 10 ft. |
| 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 |

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# Accessories *(continued)*

| Item # | Item Description |
|---|---|
| **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, 300l b. Capacity (WBB300 - 87738) |
| DACA-WB-3 | Wall Condenser Bracket, Powder coat, 500 lb. Capacity (WBB500 - 87735) |
| DACA-WB-2 | Wall Brackets Kit w/o Bar - 23⅜ X 16½ - 330 lb. cap — Sau |
| DACA-WB-1 | Adj Wall Bracket w/Support Bar - 17¾ X 16½ X 31½ — 242 lb. cap - Sau |
| **INSTALLATION TOOLS** | |
| DACA-FSG-1 | Flare Size Gauge |
| DACA-RBTC-1 | Replacement Tubing Cutter Blade |
| TLTWSM | Torque Wrench Kit w/Lever (METRIC) (Replaces all DACA-TQW series INDIV torque wrenches) |
| TLTWSAE | Torque Wrench Kit w/Lever: SAE |
| TLB410AD | Daikin Custom Tool Kit: 22Pcs + Tool Bag |
| MT2H7P5 | R410a Gauges w/ball valve (Replaces - DACA-R410GS-1) |
| FT800FN | Flaring Tool: Clutch Type Eccentric (Replaces - DACA-CFK-1) |
| TLDB | Deburring Tool (Replaces DACA-DT-1) |
| TCT274 | HD Tubing Cutter: ⅛ to 1⅜ (Replaces DACA-TC-1) |
| AD87 | Straight Adapter: $\frac{5}{16}$ flare to a ¼ flare (Replaces - DACA-SVA-1) |
| AD87S | Angled Adapter: 55deg $\frac{5}{16}$ flare to ¼ flare (Replaces DACA-SVA-1) |
| TLVCS410 | Valve Core Remover / Installer Tool w/Side Port |
| LSFNUT14 | Lineset 45Deg Flare Nut: ¼; Pkg 10 |
| LSFNUT38 | Lineset 45Deg Flare Nut: ⅜; Pkg 10 |
| LSFNUT12 | Lineset 45Deg Flare Nut: ½; Pkg 10 |
| LSFNUT58 | Lineset 45Deg Flare Nut: ⅝; Pkg 10 |

# Accessories *(continued)*

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

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# 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 |

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# Compatibility Matrix

| Daikin Ductless System Compatibility Matrix | RXN09NMVJU | RXN12NMVJU | RXN18NMVJU | RXN24NMVJU | RKN09NMVJU | RKN12NMVJU | RKN18NMVJU | RKN24NMVJU | RX09NMVJU | RX12NMVJU | RX18NMVJU | RX24NMVJU | RK09NMVJU | RK12NMVJU | RK18NMVJU | RK24NMVJU | RXL09QMVJU | RXL12QMVJU | RXL15QMVJU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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** | | | | | | | | | | | | | | | | | | | |
| **CTXS07JVJU** | | | | | | | | | | | | | | | | | | | |
| **CTXS07LVJU** | | | | | | | | | | | | | | | | | | | |
| **CDXS15LVJU** | | | | | | | | | | | | | | | | | | | |
| **CDXS18LVJU** | | | | | | | | | | | | | | | | | | | |
| **CDXS24LVJU** | | | | | | | | | | | | | | | | | | | |
| **FFQ09LVJU** | | | | | | | | | | | | | | | | | | | |
| **FFQ12LVJU** | | | | | | | | | | | | | | | | | | | |
| **FFQ15LVJU** | | | | | | | | | | | | | | | | | | | |
| **FFQ18LVJU** | | | | | | | | | | | | | | | | | | | |
| **FVXS09NVJU** | | | | | | | | | | | | | | | | | • | | |
| **FVXS12NVJU** | | | | | | | | | | | | | | | | | | • | |
| **FVXS15NVJU** | | | | | | | | | | | | | | | | | | | • |
| **FVXS18NVJU** | | | | | | | | | | | | | | | | | | | |
| **KPW038A4** | | | | | | | | | | | | | | | | | | | |
| **KPW937E4** | • | • | | | • | • | | | • | • | | | • | • | | | | | |
| **KPW063A4** | | | • | • | | | • | • | | | • | • | | | • | • | | | |
| **KPW937C4** | | | | | | | | | | | | | | | | | | | |
| **KPW945A4** | | | | | | | | | | | | | | | | | | | |

Outdoor Unit — Single Split Systems

Indoor Unit — Split Systems (Single & Multi) — Split Systems (Multi Only) — Wind Baffle

DAIKIN

| OUTDOOR UNIT | | | | | | | | | | | | | | CONTROLS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SINGLE SPLIT SYSTEMS | | | | | | | | MULTI-SPLIT | | | | | | | | | |
| RXG09LVJU | RXG12LVJU | RXG15LVJU | RXS09LVJU | RXS12LVJU | RXS15LVJU | RXS18LVJU | RXS24LVJU | 2MXL18QMVJU | 3MXL24QMVJU | 2MXS18NMVJU | 3MXS24NMVJU | 4MXS36NMVJU | RMXS48LVJU | BRC1E73 | BRC7E830 | BRC944B2 | DACA-TS1-1 DAIKIN ENVi |
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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 24000 Btu/h

**2MXS18\*** – Up to 24000 Btu/h

**3MXL24\*** – Up to 39000 Btu/h

**3MXS24\*** – Up to 39000 Btu/h

**4MXS36\*** – Up to 48000 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** | # # #<br>07 09 12 15 | # # #<br>07 09 12 15 18 | # # #<br>07 09 12 15 18 |
| **C** | ——— | # # #<br>07 09 12 15 18 | # # #<br>07 09 12 15 18 |
| **D** | | | ▲ ▲ ▲ ■ ■<br>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 |

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# Compatibility Matrix

SkyAir

| DAIKIN DUCTLESS SYSTEM COMPATIBILITY MATRIX | | OUTDOOR UNIT | | | | CONTROLS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RXS__LVJU | RZQ__PVJU(9) | RKS__LVJU | RZR__PVJU | BRC1E73 | BRC2A71 | BRC4C82 | BRC7E83 | BRC944 | BRCE818 | DACA-TS1-1 |
| INDOOR UNITS | FTXS_LVJU | ● | | ● | | | | | | ● | | ● |
| | FAQ_PVJU | | ● | | ● | ● | ● | | | | ● | |
| | FBQ_PVJU | | ● | | ● | ● | ● | ● | | | | |
| | FCQ_PAVJU | | ● | | ● | ● | ● | | | | | |
| | FHQ_MVJU | | ● | | ● | ● | | | ● | | | |
| | FHQ_PVJU | | ● | | ● | ● | ● | | ● | | | |
| | FHQ_PBVJU | | ● | | | ● | | | | | | |
| WIND BAFFLE | KPW5E112 | | ● | | ● | | | | | | | |
| | KPW5E80 | | | ● | | ● | | | | | | |

# System Clearances <span>Ductless Split Systems</span>

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



1-3/16″ or more from ceiling

2″ or more

2″ or more

11-13/16″ or more

2″ or more

2″ or more

4″ or more

10″ or more

**Slim Duct Unit**

Control Box

Unit: in

12″ or more

9-1/2″ or more

13/16″ or more

100″ or more if no ceiling Floor

**DAIKIN**
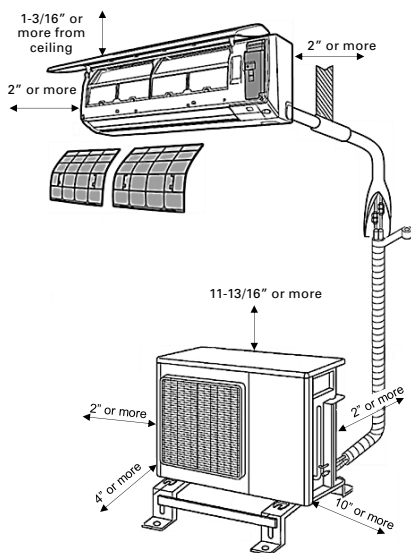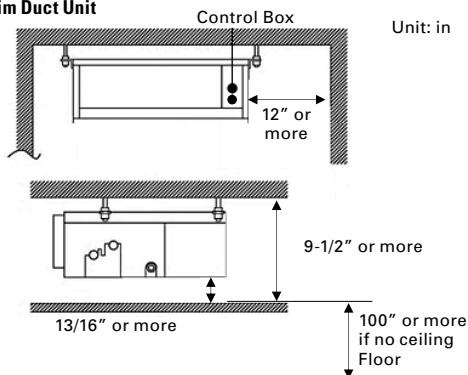
# System Clearances — Ductless Split Systems

**Indoor Units**

**2′ X 2′ Ceiling Cassette**



100″ or more* for installation in high places

60″ or more*

60″ or more*

60″ or more*

Leave 8″ or more space on sides where the air outlet is closed

**Floor-Standing**



Front grille

Air filter

Front panel

2-3/4″ (70mm) or more

1-15/16″ (50mm) or more from walls

1-15/16″ (50mm) or more from walls

Caulk pipe hole gap with putty.

# System Clearances

SkyAir

**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.

4" or more

4" or more

40" or more

20" or more

20" or more

**✈DAIKIN**
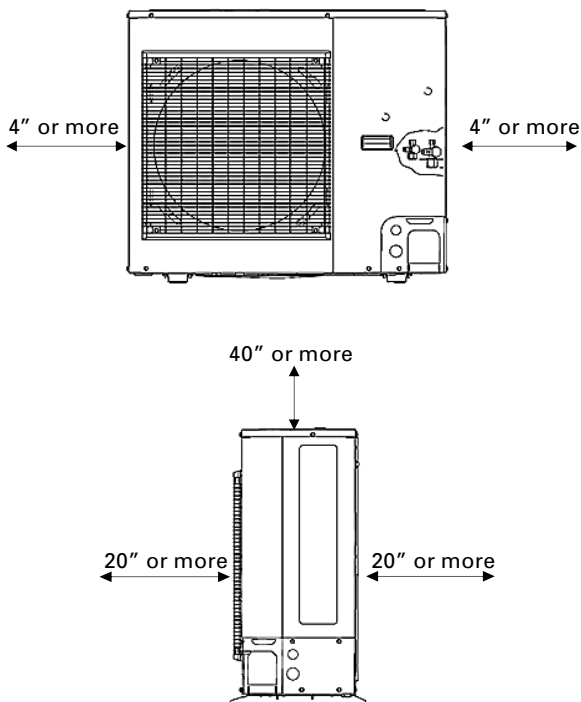
# System Clearances   SkyAir

**Indoor Units**

**Wall-Mounted Unit (FAQ)**
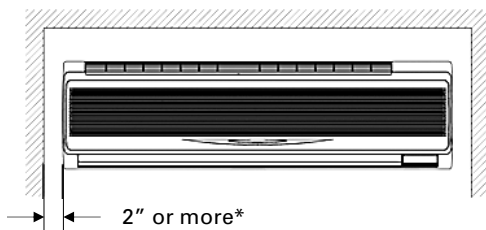


2" or more*

**DC Ducted Unit (FBQ)**



60" or more*

99" or more* for installation without a ceiling

Ceiling

Floor
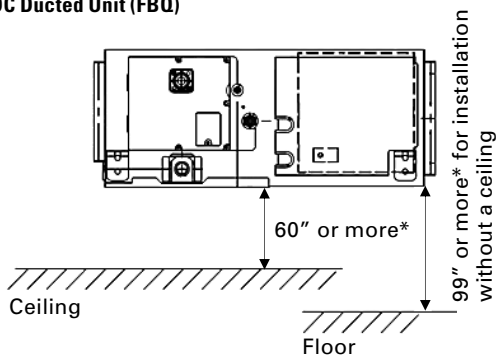
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# System Clearances

**Indoor Units**

### 3'X 3' Ceiling Cassette (FCQ)



100" or more* for installation in high places

60" or more*

60" or more*

60" or more*

Leave 8" or more space on sides where the air outlet is closed

### Ceiling Suspended (FHQ)



106" or less

12" or more*

1-3/16" or more

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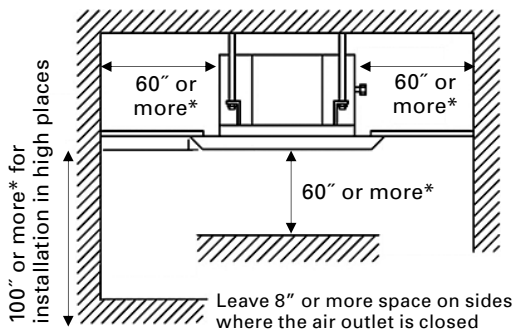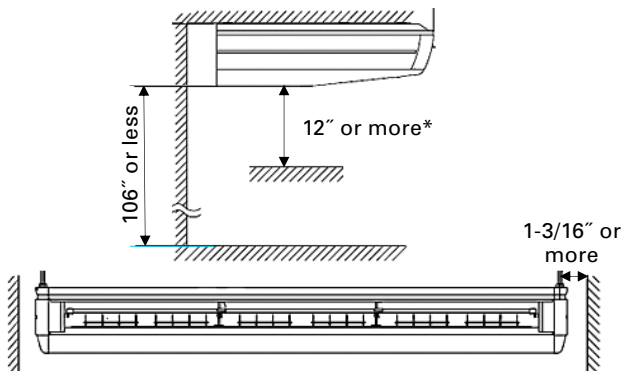
# System Clearances    SkyAir

**Indoor Units**

**Inverter Ducted (FTQ)**

## Vertical Installation



24″ or more
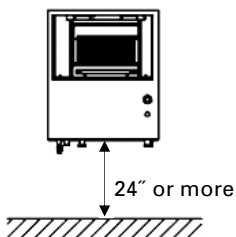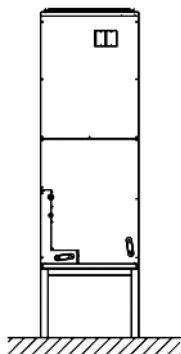
## Horizontal Installation

24″ or more
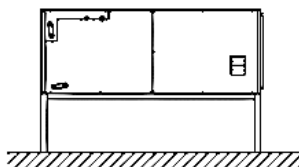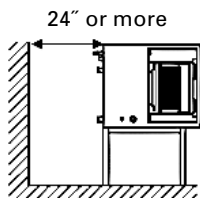
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| Indoor Unit | Outdoor Unit | Minimum Circuit (A) | Max. Overcurrent Protection (A) |
|---|---|---|---|
| **15 Series** | | | |
| FTXN09NMVJU | RXN09NMVJU | 10.1 | 15 |
| FTXN12NMVJU | RXN12NMVJU | 10.1 | 15 |
| FTXN18NMVJU | RXN18NMVJU | 13.3 | 20 |
| 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 |
| **20 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 |
| **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 |

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# Electrical Requirements

**SkyAir**

| 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

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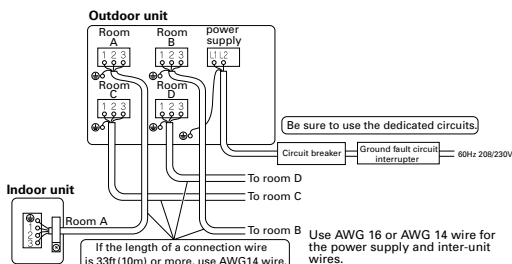
SPECIFICATIONS
& ACCESSORIES

DESIGN

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⚠ **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.

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

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

1. Strip the insulation from the wire (¾" (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.

Use AWG16 if connection wire length is less than 32.8 ft (10m),or AWG14 if it is 32.8 ft (10m) or more

Outdoor Unit

Use AWG 14 on a 15 amp breaker, AWG 12 for 20 amp breaker

Indoor Unit

Safety Breaker

GFCI

Ground

Power supply 60 Hz 208-230V
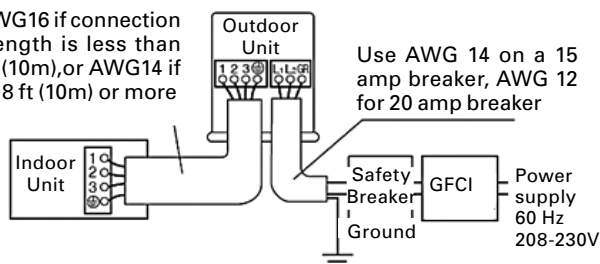
For stranded wires, make sure to install the round crimp-style terminals on the tip.

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.

Round crimp-style terminal

Stranded wire
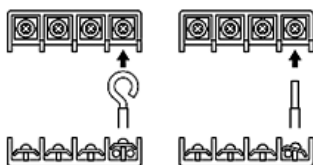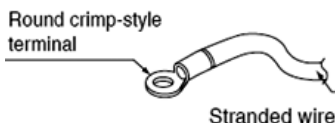
Stripping wire at terminal block: ◯ Correct  ✗ Wrong

# Wiring

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

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

1. Strip the insulation from the wire (3/4inch) (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.
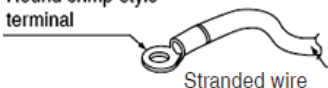


Perform curling when using a single core wire.
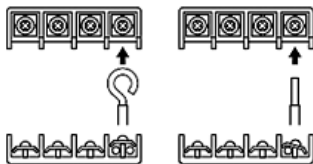


⭕ Correct ❌ Wrong

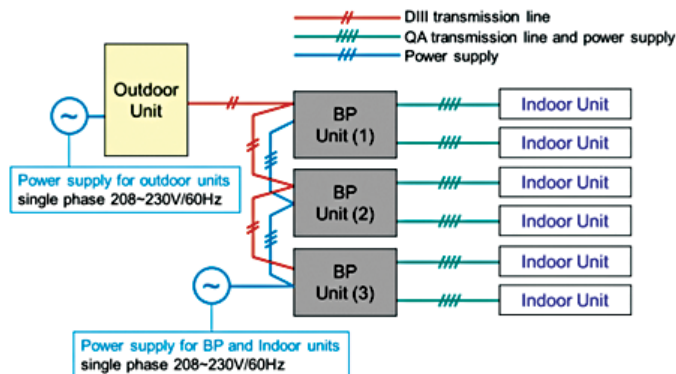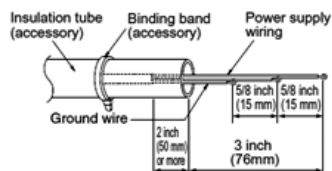Stripping wire at terminal block

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> ⚠️ **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.
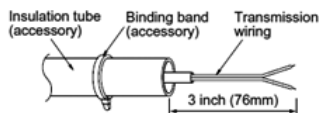
### 8-Zone Multi-Split System

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.

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# Wiring

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

## SkyAir RZQ, RZR Systems

### Complete System Example



AWG18 stranded non-shielded wire.
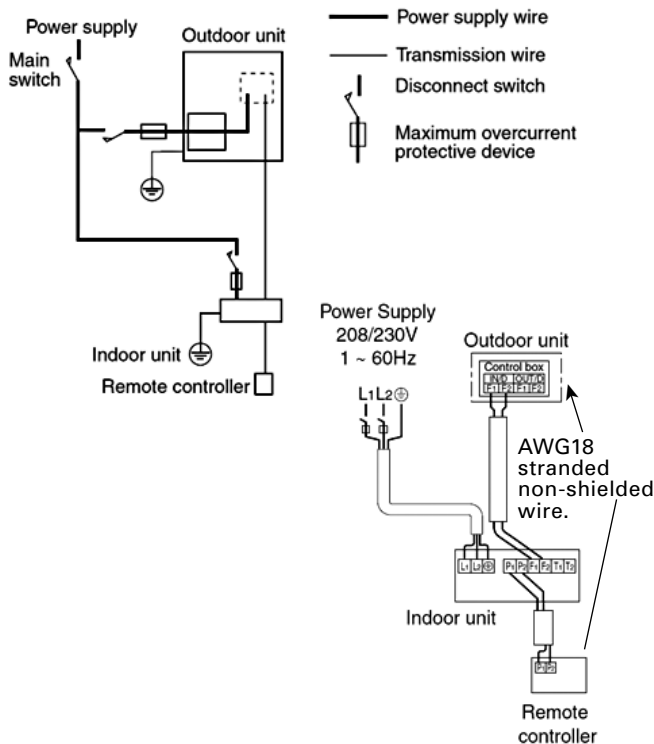
* Refer to each system Installation Manual for detailed wiring instructions.

# Piping Lengths

**Ductless Split Systems**

| Outdoor Unit | Min Length (ft) | Max Length (ft) | Max Height (ft) | Chargeless* (ft) |
|---|---|---|---|---|
| **RKN* RXN*** | | | | |
| **9 & 12 MBH** | 4.92 | 49.2 | 39.4 | 32.8 |
| **18 & 24 MBH** | 4.92 | 98.4 | 65.6 | 32.8 |
| **RK* RX*** | | | | |
| **9 & 12 MBH** | 4.92 | 65.6 | 49.2 | 32.8 |
| **15, 18, 24 MBH** | 4.92 | 98.4 | 65.6 | 32.8 |
| **RXS** | | | | |
| **9 & 12 MBH** | 4.92 | 65.6 | 49.2 | 32.8 |
| **15, 18, 24 MBH** | 4.92 | 98.4 | 65.6 | 32.9 |

Additional refrigerant required for refrigerant pipe exceeding 32.8 ft. Charge additional refrigerant at **0.22 oz/ft.**

| | | | | |
|---|---|---|---|---|
| **RXG** | | | | |
| **9 MBH** | 4.92 | 32 | 26 | 32 |
| **12 MBH** | 4.92 | 32 | 26 | 32 |
| **15 MBH** | 4.92 | 32 | 26 | 32 |
| **MXS** | | | | |
| **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 | 8.8 lbs |

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.

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# 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 | 164 | 98 | 5.1 |
| 42 MBH | 164 | 98 | 5.1 |

Additional refrigerant required for refrigerant pipe exceeding 5.1 lbs. Charge additional refrigerant at **liquid piping length (ft) x 0.36.**

| | | | |
|---|---|---|---|
| **FTQ & RZQ** | | | |
| 18 MBH | 164 | 98 | 5.1 |
| 24 MBH | 164 | 98 | 5.1 |
| 30 MBH | 164 | 98 | 5.1 |
| 36 MBH | 164 | 98 | 5.1 |
| 42 MBH | 164 | 98 | 5.1 |

Additional refrigerant required for refrigerant pipe exceeding 5.1 lbs. 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

| 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 |
| **20 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 |
| **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 |

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# Piping Sizes <span>SkyAir</span>

| 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

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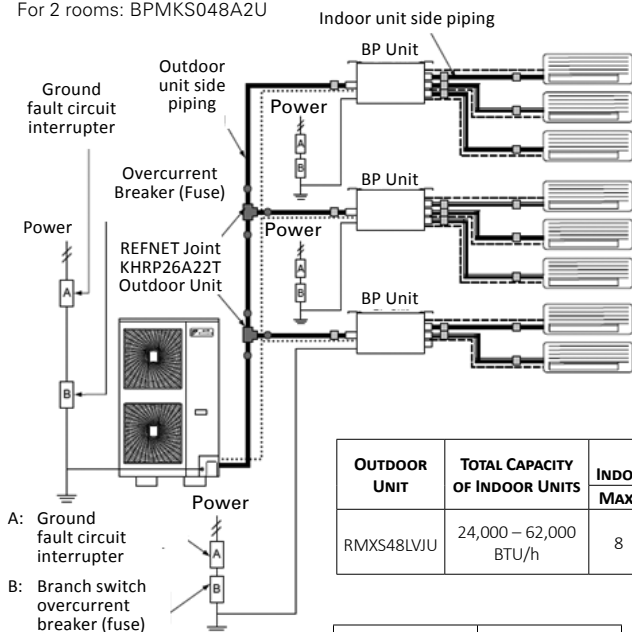INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

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# System Layout

8-Zone Multi

## BP Unit model

For 3 rooms: BPMKS049A3U
For 2 rooms: BPMKS048A2U



Indoor unit side piping

BP Unit

Outdoor unit side piping

Ground fault circuit interrupter

Power

Overcurrent Breaker (Fuse)

Power

REFNET Joint KHRP26A22T
Outdoor Unit

BP Unit

BP Unit

Power

A: Ground fault circuit interrupter

B: Branch switch overcurrent breaker (fuse)

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

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

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

·········· Transmission line (2 wires)

– – – – Power supply and transmission line (4 wires)

═══ Piping

● Brazing connection

■ Flare connection

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

PRODUCT

SELLING & INSTALLATION TIPS

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# Operating Ranges — Ductless Split Systems

| COOLING | | |
|---|---|---|
| | **INDOOR INTAKE AIR TEMP.** | **OUTDOOR AIR TEMP.** |
| **SYSTEM** | **(MIN – MAX)** | **(MIN – MAX)** |
| 15 Series: RXN, RKN | 50°FWB - 73°FWB (14°CWB - 23°CWB) | 50°FDB - 115°FDB (10°CDB - 46°CDB)[4] |
| 19 / 20 Series: RK, RX / RXL | 50°FWB - 73°FWB (14°CWB - 23°CWB) | 50°FDB - 115°FDB (10°CDB - 46°CDB) 14°FDB - 115°FDB (-10°CDB - 46°CDB)[1] -4°FDB - 115°FDB (-17.8°CDB - 46°CDB)[2] |
| LV Series: RXS_LV | 57°FWB - 73°FWB (14°CWB - 23°CWB) | 50°FDB - 115°FDB (10°CDB - 46°CDB) 14°FDB - 115°FDB (-10°CDB - 46°CDB)[1] -4°FDB - 115°FDB (-17.8°CDB - 46°CDB)[2] |
| Quaternity: RXG_H | 59°FWB - 73°FWB (15°CWB - 23°CWB) | 14°FDB - 109°FDB (-10°CDB - 42.8°CDB) |
| MXL / MXS | 57°FWB - 73°FWB (14°CWB - 23°CWB) | 14°FDB - 115°FDB (-10°CDB - 46°CDB) |
| RMXS | 57°FWB - 73°FWB (14°CWB - 23°CWB) | 23°FDB - 115°FDB (-5°CDB - 46°CDB) |

| HEATING | | |
|---|---|---|
| **SYSTEM** | **(MIN – MAX)** | **(MIN – MAX)** |
| 15 Series: RXN, RKN, | 50°FDB - 86°FDB (10°CDB - 30°CDB) | 5°FWB - 75°FWB (-15°CWB - 24°CWB) |
| 19 Series: RX, RK | 50°FDB - 86°FDB (10°CDB - 30°CDB) | 5°FWB - 75°FWB (-15°CWB - 24°CWB) -4°FWB -75°FWB (-20°CWB - 24°CWB)[3] |
| 20 Series: RXL | 50°FDB - 86°FDB (10°CDB - 30°CDB) | 5°FWB - 75°FWB (-15°CWB - 24°CWB) -13°FWB -75°FWB (-25°CWB - 24°CWB)[4] |
| LV Series: RXS_LCV | 50°FDB - 86°FDB (10°CDB - 30°CDB) | 5°FWB - 64°FWB (-15°CWB - 18°CWB) 0°FWB - 64°FWB (-17.8°CWB-18°CWB)[2] |
| Quaternity: RXG_H | 50°FDB - 86°FDB (10°CDB - 30°CDB) | -4°FWB - 64°FWB (-20°CWB - 18°CWB) |
| MXL | 57°FDB - 73°FDB (14°CDB - 23°CDB) | 5°FWB - 75°FWB (-15°CWB - 24°CWB) -13°FWB -75°FWB (-25°CWB - 24°CWB)[3] |
| MXS | 57°FDB - 73°FDB (14°CDB - 23°CDB) | 5°FWB - 75°FWB (-15°CWB - 24°CWB) -4°FWB - 75°FWB (-20°CWB - 24°CWB)[3] |
| RMXS | 57°FDB - 73°FDB (14°CDB - 23°CDB) | 5°FWB - 60°FWB (-15°CWB - 5.5°CWB) |

[1]  Outdoor units operate at outdoor air intake temperature down to 14°FDB with a dipswitch or cut of a jumper. (Does not apply to RXN or RKN)

[2]  Outdoor units operate at outdoor air intake temperature down to -4°FDB with the addition of a wind baffle. (Does not apply to RXN or RKN)

[3]  Outdoor units operate at outdoor air intake temperature down to -4°FDB with the addition of an optional drain pan heater as applicable. (Does not apply to RXN and RKN)

[4]  Outdoor units operate at outdoor air intake temperature down to -13°FDB with the addition of an optional drain pan heater as applicable.

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# Operating Ranges

| COOLING | | |
|---|---|---|
| | **INDOOR INTAKE AIR TEMP.** | **OUTDOOR AIR TEMP.** |
| **SYSTEM** | **(MIN – MAX)** | **(MIN – MAX)** |
| RXS_LV<br>RKS_LV | 57°FWB - 73°FWB<br>(14°CWB - 23°CWB) | 50°FDB - 115°FDB (10°CDB - 46°CDB)<br>14°FDB - 115°FDB (-10°CDB - 46°CDB)[1]<br>0°FDB - 115°FDB (-17.8°CDB - 46°CDB)[2]<br>-40°FDB - 115°FDB (-40°CDB - 46°CDB)[3] |
| RZQ & RZR | 57°FWB - 77°FWB<br>(14°CWB - 25°CWB) | 23°FDB - 115°FDB (-5°CDB - 46°CDB)<br>0°FDB - 115°FDB (-17.8°CDB - 46°CDB) |

| HEATING | | |
|---|---|---|
| | **INDOOR INTAKE AIR TEMP.** | **OUTDOOR AIR TEMP.** |
| **SYSTEM** | **(MIN – MAX)** | **(MIN – MAX)** |
| RXS | 50°FDB - 86°FDB<br>(10°CDB - 30°CDB) | 5°FDB - 64°FWB<br>(-15°CWB - 18°CWB) |
| | | 0°FDB - 64°FWB<br>(-17.8°CWB - 18°CWB)2 |
| RZQ | 59°FDB - 80°FDB<br>(15°CDB - 26.7°CDB) | 0°FDB - 60°FWB<br>(-17.8°CWB - 15.5°CWB) |

1 Outdoor units operate at outdoor air intake temperature down to 14°FDB with a dipswitch. Refer to installation manual for details.

2 Outdoor units operate at outdoor air intake temperature down to 0°FDB with the addition of a wind baffle.

3 RKS___LVJU Outdoor units operate at outdoor air intake temperature down to -40°FDB with the addition of a wind baffle and Ultra Low Ambient Kit.
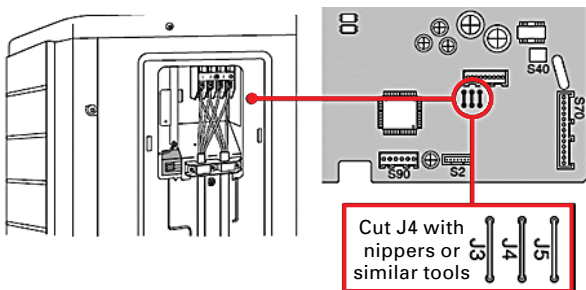
# Low Ambient Cooling Operation

### RK09-24 NMVJU, RX09-24 NMVJU, RXS15, 18LVJU

Cutting jumper 6 (J6) on the circuit board will expand the operation range down to 0°F (–17.8° CDB). However it will stop if the outdoor temperature drops below –4°F (–20°C) and start back up once the temperature rises again.
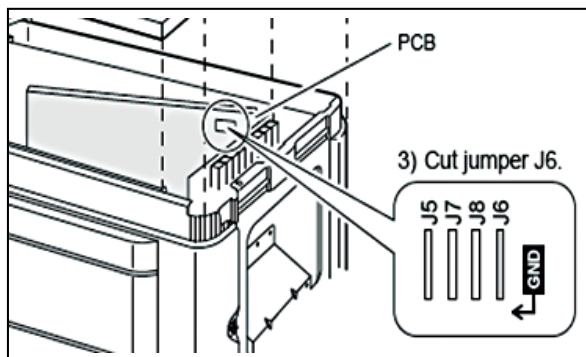


### RXS09, 12LVJU

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.
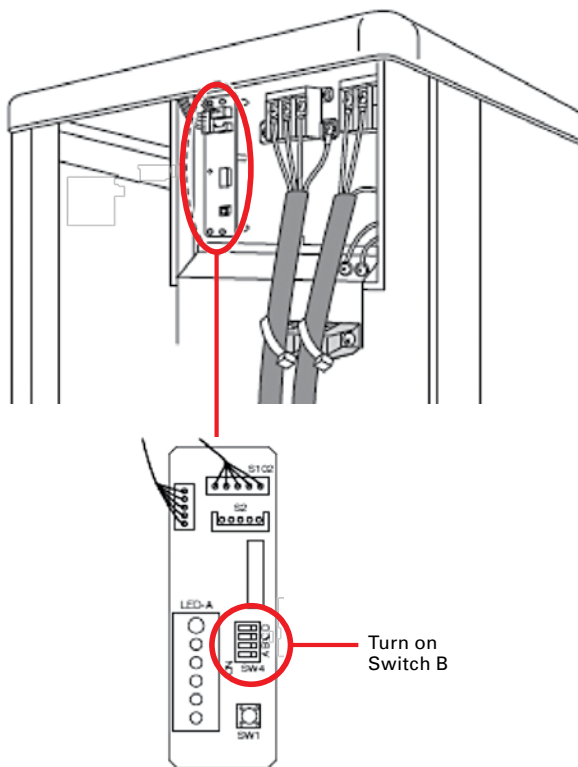


Cut J4 with nippers or similar tools

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# 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.

### 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.



Turn on
Switch B

PRODUCT

SELLING &
INSTALLATION TIPS

SPECIFICATIONS
& ACCESSORIES

DESIGN

# 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

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.



[C] Printed circuit board (inside of the electrical box)

[D] Wire harness

[B] Crank case heater

[E] Vinyl tube

[F] Binding band

[A] Code heater
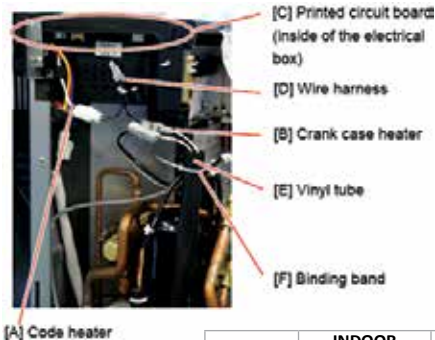
|  | INDOOR | | OUTDOOR | | |
|---|---|---|---|---|---|
|  | EWB | EDB | -40 (°FDB) | | |
|  | °F | °F | TC | SHC | PI |
| **30 MBH** | 57.2 | 68.0 | 21.70 | 16.92 | 0.46 |
| **36 MBH** | 57.2 | 68.0 | 22.41 | 17.47 | 0.50 |

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# 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 remove 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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# Easy installation and energy-efficient performance

**from a world-leading HVAC manufacturer**

## COMFORT FOR LIFE

Daikin is a global innovator and provider of energy-efficient indoor comfort solutions. As the world's largest manufacturer of HVAC systems and refrigerants, Daikin offers a complete line of ductless heating and cooling systems.

- ▶ Single room to whole house comfort options
- ▶ Inverter technology performance delivers up to 26.1 SEER and 12.5 HSPF
- ▶ Intelligent Eye Occupancy Sensor (on select models)
- ▶ Quiet and consistent indoor comfort
- ▶ Fast, flexible installation for residential, commercial and industrial applications

For 90 years Daikin has been perfecting indoor comfort systems throughout the world.

## About Daikin

**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, Ventilating, Air Conditioning) manufacturers in the world. DIL is primarily engaged in developing indoor comfort products, systems and refrigeration products for residential, commercial and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient, and premium quality indoor climate and comfort management solutions.

### For more information:

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www.daikincomfort.com