DAIKIN

R-410A or R-32

SINGLE & MULTI-ZONE SYSTEMS
SKYAIR PRODUCTS

REFERENCE GUIDE

WARNING

Only personnel that have been trained to install, adjust, service or repair (hereinafter, “service”) the equipment specified in this manual should service the equipment. The manufacturer will not be responsible for any injury or property damage arising from improper service or service procedures. If you service this unit, you assume responsibility for any injury or property damage which may result. In addition, in jurisdictions that require one or more licenses to service the equipment specified in this manual, only licensed personnel should servise the equipment. Improper installation, adjustment, servicing or repair of the equipment specified in this manual, or attempting to install, adjust, service or repair the equipment specified in this manual without proper training may result in product damage, property damage, personal injury or death.

WARRANTY OVERVIEW

Single and Multi-Zone Systems		*SkyAir*††
Daikin *ENTRA* NV series†† Daikin *CIRRA*†	Daikin *EMURA*† Daikin *AURORA*†, Daikin *OTERRA*†, LV series†, FDMQ†, Daikin *VISTA*†, MXS series† Daikin *ATMOSPHERA*†	All products
		

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

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

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

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

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R32

The right choice to replace R-410A.

Daikin is leading the industry with the switch to the next generation of refrigerants that have a lower Global Warming Potential (GWP) than R-410A: R-32.

Proven. Easy. Available. Efficient.

With **over 230 million R-32 units already installed**, made by **over 40 manufacturers** and installed in **more than 130 countries**, R-32 is the right choice **and** the proven global standard.

In addition, R-32 is the only pure, single-component refrigerant slated to replace the high GWP refrigerant, R-410A. Unlike blended refrigerants, which can change composition, R-32 is easy to top off or clean and reuse on-site. It's also easy to reclaim and reuse off-site with a simple cleaning process.

Additionally, because R-32 has a GWP of 675 and requires less charge in certain systems, direct emissions from those systems can be up to 80% lower than similar R-410A systems. The result? Fewer greenhouse gas emissions that contribute to climate change, based on Daikin studies.

Aligning with Goals of:

- **Decarbonization and Electrification** — moving towards clean energy: An effective source of heat to comfortably offset older or inefficient sources of heat using fossil fuels.
- **Lower GWP refrigerant** — reduce emissions at the source: Utilizing a refrigerant with lower Global Warming Potential (GWP) compared to conventional refrigerants.
- **Sustainability** — Easy to top off, or clean and reuse on-site and easy to reclaim and recycle.

SINGLE AND MULTI-ZONE SYSTEM BENEFITS

Features	Benefits
INVERTER-DRIVEN COMPRESSORS	Energy savings* by using only the system capacity needed to heat or cool a space
TOTAL ZONE CONTROL	Cool and heat only rooms needing indoor comfort
INDIVIDUAL COMFORT	Personal comfort control in each room or zone
EASY INSTALLATION	Quick and easy installation, often within a day's work
YEAR-ROUND COMFORT	Heat in extreme climates, down to -13°F WB, without the need of supplemental heat (select models).
QUIET OPERATION	Operating sound levels as low as 19** dB(A) for undisturbed home comfort.

*Compared to 14 SEER Unitary System
**On SL fan speed in cooling mode

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 AN AVERAGE OF **75%** OF TOTAL OPERATING HOURS AT **LESS THAN 70% OF FULL CAPACITY**

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

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

REFRIGERANT FLOW DELIVERED =
REFRIGERANT REQUIRED FOR SPACE

*Compared to 14 SEER Unitary System

PRODUCTS

Wall-Mounted

Single Zone Models

Daikin *ENTRA* | FTXB/FTXC | 9000-24000 BTU/h

See pages 42-45 for more info

- Available in R-410A & R-32
- 18 SEER2| 9HSPF2
- Cooling Range 50-115 F
- Heating Range 5-65 F
- Indoor sound pressure as low as 19* db(A)
- Titanium Apatite photocatalytic air purifying filter for improved air quality.

Daikin *OTERRA* | FTX/FTK/FTXF/FTKF | 9000-24,000 BTU/h

See pages 46-49 for more info

- Available in R-410 and R-32
- 21 SEER2/ Up to 10.2 HSPF2
- Cooling range 50-122 F[+] / 50-118 F[#] / 50-115F[‡] (extended operation to -4 F with facility setting and optional wind baffle.)
- Titanium Apatite photocatalytic air purifying filter for improved indoor air quality.
- Compatible with DKN Cloud app (adaptor required)

[+]R-32 18 and 24K models, [#]R-32 9 and 12K models, [‡]All R-410A models, *on SL fan speed in cooling mode

For models where available as R-410A or R-32

Wall-Mounted

Single Zone Models

Daikin *AURORA* Wall-Mounted | FTX | 9,000- 24,000 BTU/h *(Heat Pump)*

See pages 52-53 for more info

- Up to 19.8 SEER2 | Up to 10 HSPF2
- Up to 100% rated cooling capacity at 115°F DB, up to 100% rated heating capacity at 5°F WB
- Cooling Range 50 - 115°F (Extended operation to -4 - 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range -13 - 60°F
- Indoor Sound Pressure as Low as 19* dB(A)
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- Hot Start – Prevents cold draft when heating starts, or when unit changes from cooling to heating.
- Compatible with DKN Cloud App (adaptor required)

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

See pages 50-51 for more info

- Up to 18 SEER2 | Up to 10 HSPF
- Indoor Sound Pressure as low as 19* dB(A)
- Stylish silver or pure matte white finish
- 2-Area Intelligent Eye infrared sensor with the ability to sense movement in the room and change temperature conditions during unoccupied periods. The intelligent eye also directs air flow away from people in the room to avoid cold drafts.
- 3-D Airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- Compatible with DKN Cloud App (adaptor required)

*On SL fan speed in cooling mode For models where available as R-410A or R-32

Wall-Mounted

Single and Multi-Zone Models

Daikin *ATMOSPHERA* | FTXM | 9,000- 24,000 BTU/h (Heat Pump)

See pages 58-59 for more info

- Up to 27.4 SEER2 | Up to 13.8 HSPF2
- Uses R-32 Refrigerant
- Up to 100% rated cooling capacity at 115°F DB
- Up to 100% rated heating capacity at 5°F WB
- Cooling Range 50 - 115°F (Extended operation -4 - 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range -13 - 65°F
- Indoor Sound Pressure as low as 22* dB(A)
- Built-In Wi-Fi for use with Daikin Comfort Control App
- CLEAN Operation to reduce amount of condensation present in the indoor unit.
- Hybrid Cooling dehumidifies efficiently even in low cooling loads
- Simplified maintenance with detachable drain pan

*On SL fan speed in cooling mode

Wall-Mounted

Single Zone Models

Daikin *POLARA* | FTX | 30,000 – 36,000 BTU/h *(Heat Pump or Cooling Only)*

See page 64
for more info

- » Up to 17.5 SEER2 | Up to 9.3 HSPF2
- » Cooling range 50 - 115°F
- » Low ambient cooling down to -22°F on FTX cooling only system with facility settings and air adjustment grille
- » Indoor sound pressure as low as 37* dB(A)
- » Intelligent Eye infrared sensor with the ability to sense movement in the room and change temperature conditions during unoccupied periods
- » 3-D airflow combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces
- » Comfort Mode – When cooling, the flap positions itself horizontally to prevent cold airflow from being blown directly onto the body. When heating, the flap turns vertically downwards to drive warm air to the bottom of the room.
- » Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- » Compatible with DKN Cloud App (adaptor required)

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

See page 77
for more info

- » Up to 17.3 SEER2 | Up to 7.8 HSPF2
- » Cooling Range 23 - 122°F (Extended operation to 0°F with optional Air Adjustment Grille)
- » Heating Range -4 - 60°F
- » Indoor Sound Pressure as low as 37 dB(A)
- » Vertical auto-swing function & wide angle louvers ensure efficient air distribution & comfortable airflow.
- » Front panel can be removed for easy cleaning.

*On SL fan speed in cooling mode For models where available as R-410A or R-32

Ceiling-Mount and Floor-Standing

Single and Multi-Zone Models

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

See pages 62-63 for more info

- » Up to 19.8 SEER2 | Up to 9.4 HSPF2
- » Cooling range 5 - 115°F
- » Heating range 5 - 65°F
- » Indoor sound pressure as low as 29 dB(A)
- » 2x2 for seamless integration into ceiling tiles
- » 2, 3 or 4-way airflow pattern
- » Built-in condensate pump (up to 22")
- » Fresh air intake knockout
- » Presence and floor sensor (optional)

***SkyAir Round Flow* Sensing Cassette | FCQ |** 18,000 – 48,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 80-81 for more info

- » Up to 21 SEER2 | Up to 10.3 HSPF2
- » Cooling range 23 - 122°F (Extended operation to 0°F with optional Air Adjustment Grille)
- » Heating range -4 - 60°F
- » Indoor sound pressure as low as 28 dB(A)
- » 23 configurable airflow patterns ensure ideal airflow distribution
- » 360° airflow reduces draft

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

See page 54-55 for more info

- » Up to 19.5 SEER2 | Up to 9.7 HSPF2
- » Up to 100% rated cooling capacity at 104°F DB, up to 100% rated heating capacity at 5°F WB
- » Cooling range 50 - 115°F (extended operation to -4 - 115°F with facility setting and optional air adjustment grille)
- » Heating range -13 - 60°F
- » Indoor sound pressure as low as 23* dB(A)
- » Mounted in various configurations, including partially or completely concealed

*On SL fan speed in cooling mode

Ducted Models

FDMQ Ducted Concealed | FDMQ | 9,000 - 24,000 BTU/h *(Heat Pump)*

See pages 60-61 for more info

- Up to 15.3 SEE2 Up to 8.2 HSPF2
- Cooling Range 50 - 115°F (Extended operation to -4 - 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range 5 - 65°F
- Indoor Sound Pressure as low as 32 dB(A)
- Capable of providing external static pressures up to 0.6 in. w.g. on all models

Daikin *AURORA* Ducted Concealed | FDMQ | 12,000 - 24,000 BTU/h *(Heat Pump)*

See pages 56-57 for more info

- Up to 19.4 SEER | Up to 10.8 HSPF
- Up to 100% rated cooling capacity at 104°F DB, up to 100% rated heating capacity at 5°F WB
- Cooling range 50 - 115°F (Extended operation to -4 - 115°F with facility setting and optional Air Adjustment Grille)
- Heating Range -13 - 65°F
- Indoor Sound Pressure as low as 33 dB(A)
- Capable of providing external static pressures up to 0.6 in. w.g. on all models

Ducted Models

SkyAir HSP Ducted Concealed | FBQ | 18,000 – 48,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 78-79 for more info

- Up to 16.9 SEER2 | Up to 9.5 HSPF2
- Cooling range 23 - 122°F (Extended operation to 0°F with optional Air Adjustment Grille)
- Heating range -4 - 60°F
- Indoor sound pressure as low as 37 dB(A)
- Medium external static pressure (ESP) capabilities up to 0.8" W.G.
- Three user selected fan speeds available plus fan “Auto” logic
- Built-in condensate pump and drain pan inspection port

SkyAir Air Handling Unit | FTQ | 18,000 – 48,000 BTU/h *(Heat Pump or Cooling Only)*

See pages 82-83 for more info

- Up to 16.4 SEER2 | Up to 9.1 HSPF2
- Cooling range 23 - 122°F (Extended operation to 0°F with optional Air Adjustment Grille)
- Heating range -4 - 60°F
- Indoor sound pressure as low as 38 dB(A)
- Upflow, downflow, horizontal left or horizontal right configurations
- Field-installed electric heat options available from 3 kW to 19 kW
- Designed for zero clearance on three sides and only 24" clearance on the front for service.
- Factory installed disconnect switch

Outdoor Units

Single Zone MODELS

RK, RKS *(Cooling Only)*
RX, RXB, RXS, RXL, RXM *(Heat Pump)*
9,000 – 36,000 BTU/h

- » Up to 27.4 SEER
- » Slim, compact design
- » Anti-corrosion coating on heat exchanger
- » For rooms up to 1,600 SF

RZQ *(Heat Pump)* **RZR** *(Cooling Only)*
18,000 – 48,000 BTU/h

- » Up to 21 SEER2
- » Choose from 5 indoor ducted and non-ducted indoor model types
- » Up to 230 ft. total piping length
- » Heating operation down to -4°F (Heat pump only)
- » User-friendly, intelligent controls

MULTI-ZONE MODELS

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

- » Up to 20.6 SEER2 and up to 9.7 HSPF2
- » 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
- » Built in drain pan heater (MXLH models)

See pages 67-71 for more info

Infrared Remote Controller

Comfort control at your fingertips

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

CONTROLLER FEATURES INCLUDE:

» **FAN**: Fan speed adjustment

» **POWERFUL**: System boost for 20 minutes in current operating mode

» **MODE**: HEAT, COOL, AUTO, DRY

» **TEMP**: Set-point adjustment

» **COMFORT***: Adjusts louver position based on mode

» **SENSOR***: Intelligent Eye occupancy sensor

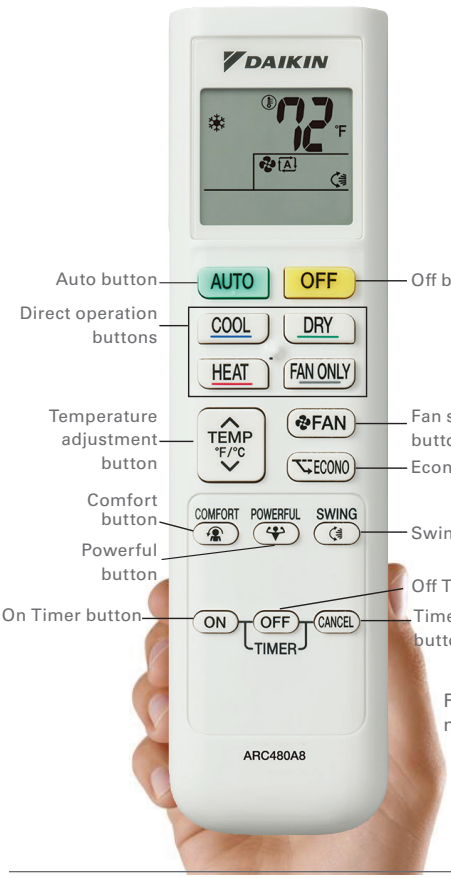
» **SWING***: Automatic vertical and horizontal auto-swing

» **WEEKLY***: 7-day programmable schedule

» **TIMER**: Timer and clock adjustment

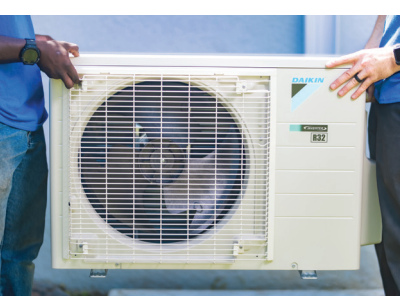
**Available on Select Systems*

Wireless Remote Controller



FTX09, 12, 15 *AURORA* model shown. Models vary.

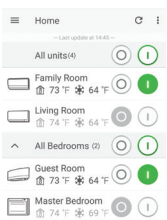
Daikin Comfort Control App for Daikin *ATMOSPHERA* Single Zone Systems



GET IT ON Google Play

Download on the App Store

Daikin Comfort Control App Screen Shots



Control individual units or groups of units conveniently

Select mode of operation and temperature setting

Functions accessible via the Daikin Comfort Control App

Auto Mode	Your Daikin system will change between cooling or heating to maintain the desired temperature range.
Fan Mode	The indoor unit fan will run to circulate the air in the space without cooling or heating
Heating Mode	Your Daikin system will only run in heating mode to maintain the desired heating temperature
Cooling Mode	Your Daikin system will only run in cooling mode to maintain the desired cooling temperature
Dry Mode	Your Daikin system will continually work to dry the air without affecting the temperature in the space
Schedule	Adjust or set a schedule remotely

DKN Cloud Wi-Fi Adaptor

» Remote control of indoor units from iOS/ *Android* smartphone app

» Features
- On/Off
- Mode
- Set-point
- Fan speed
- Room temperature
- Error alert
- Leveled user authority

DKN Cloud Wi-Fi Adaptor

DKN

ANDROID APP ON Google play

Available on the App Store

works with the Google Assistant

JUST ASK alexa

WI-FI ADAPTOR PART #	INDOOR UNIT	MODELS
AZAI6WSZDKA	Daikin *VISTA*	FFQ
	FDMQ Ducted Concealed	FDMQ
	SkyAir	FBQ, FCQ
AZAI6WSZDKB	Residential Single and Multi-Zone (S21)	CDXS, CTXS, FDXS, FTK*, FTX*, FTXM, FTXR, FTXS, FVXS, FTXM, FTXC, FTXF, FTKF

* Not compatible with all models and may require additional adaptor. See Wi-Fi adaptor submittal for details.

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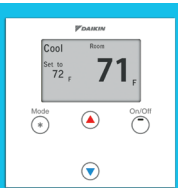
BRC1E73 *Navigation* Remote Controller

Advanced, configurable comfort.

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

Advanced Display



Simplified Display

Optional Face Decals

Single Setpoint Face Decals for Simplified Display

BRC1E73RM

BRC1E73RF

BRC1E73RMF

Dual Setpoint Face Decals for Simplified Display

BRC1E73RM2

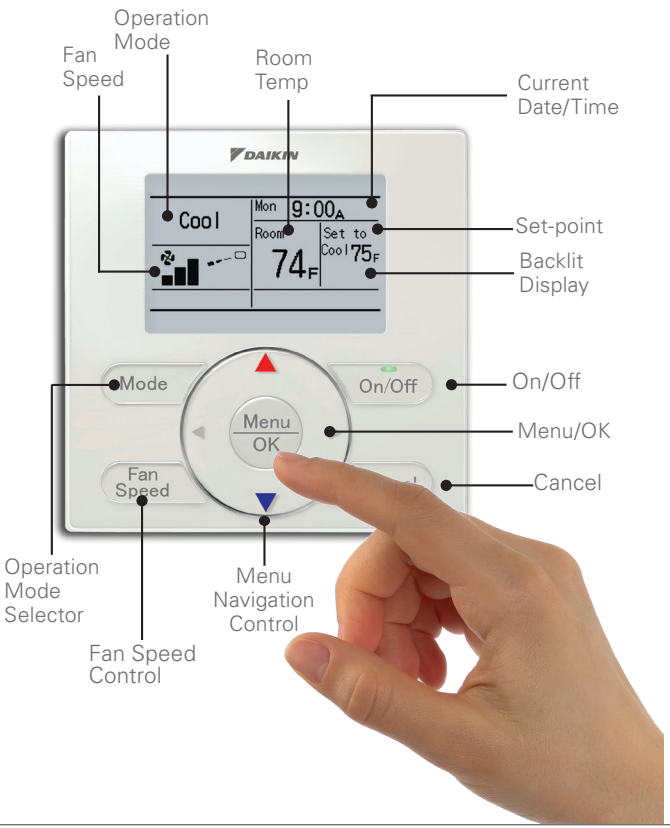
BRC1E73RF2

BRC1E73RMF2

Note: Not available with all products.

Features & Functions:

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



You're always in control.

Individual comfort and control

Daikin systems have an available infrared remote controller allowing you to access all functions at the click of a button.

From anywhere in the world. Or your living room.

It can happen to anyone. You forgot to change the temperature of your heat pump system or air conditioner before leaving the house, or you will be delayed returning home and wish to avoid needlessly heating or cooling your home. What in the past would have resulted in wasted energy is no longer a problem. With the DKN App, you are always in control. You can use your tablet or smart-phone to access your Daikin system via the internet*.

* Requires AZAI6WSCDKA, AZAI6WSCDKB or AZAI6WSPDKC (model dependent).

Daikin *One+* Smart Thermostat

The Daikin *One+* smart thermostat is now available for select single and multi-zone indoor unit models. With the new translation adaptor, connecting the Daikin *One+* smart thermostat provides several user features including remote monitoring, control and geofencing using the Daikin *One* home app, *Google*, and *Amazon* voice assistants. Learn more at www.daikinone.com.

** Note that the optional hand held remote should not be used together with the Daikin *One+* smart thermostat.

works with the Google Assistant

JUST ASK alexa

Daikin *Madoka* Remote Controller

Daikin is pleased to introduce the *Madoka* remote controller for the North American FDMQ, FFQ & *SkyAir* indoor units. The *Madoka* features a sleek and stylish design with an intuitive interface including touch button control. It retains advanced functions for indoor unit control. It can be commissioned and managed with ease through a Bluetooth® configuration app or via the onboard menus. The *Madoka* provides 3 configurable display modes: Text (default), Icon, and Scale to help meet project and occupant needs. Learn more at www.daikinac.com.

Award-winning design. *Madoka* earned an IF design award and Red Dot Product Design Award for its innovative design.

DESIGN AWARD 2018

reddot award 2018 winner

DAIKIN

***Madoka* Quick Set App**
Available for download on iOS and *Android* devices.

GET IT ON Google Play

Download on the App Store

Daikin DKN Plus Interface

The new Daikin DKN Plus Interface (AZAI6WSPDKC) enables the energy-efficient control of Daikin air conditioners by a third-party thermostat or an automation system. With this interface, third party devices or systems can control the Single, Multi & *SkyAir* indoor units through the DKN Cloud NA App via Wi-Fi, Cloud API, Modbus®, BACnet™ MS/TP, or thermostat relay contacts. This interface can be commissioned easily through the DKN Cloud NA app via Bluetooth® Low Energy (BLE). Learn more at www.daikinac.com.

Download on the App Store

GET IT ON Google Play

Daikin *One* Touch Smart Thermostat

A great control option for Daikin single and multi-zone systems. With customizable settings and the power to wirelessly control the system from anywhere, homeowners may never want to change their thermostat manually again. However, the touchscreen interface supports a user-friendly experience when they do. Voice control is also possible with compatible *Amazon* and *Google* devices.

Daikin *One* Lite Connected Thermostat

The Daikin *One* lite connected thermostat is a perfect solution for most Daikin single and multi-zone products when a wall-mounted smart thermostat is needed. The Daikin *One* lite connected thermostat can be linked via Wi-Fi to the Daikin *One* home app for control from an iOS or Android phone or tablet.

NOTE: the handheld remote that comes with some indoor units should not be used together with the Daikin *One* thermostats

Daikin *SplitXpress* Selection Tool

The new interactive *SplitXpress* mobile app and website provide a complete product selection tool to streamline system selection for single and multi-zone projects. Users can create equipment selections and add accessories / pricing details to quickly share quotes with customers. Available for free on the *App Store* (iOS) and *Google Play* (Android), and at https://splitxpress.daikincity.com.

SELLING TIPS

Single and Multi-Zone Selling Tips

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

1. Discover homeowner problems and needs.

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

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

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

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

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

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

4. Introduce the benefits of the Daikin Comfort Control App† or DKN Cloud App††

- ☐ Control remotely from anywhere using PC, smart phone or tablet
- ☐ Traditional thermostat functionality
- ☐ Set a schedule

DKN

† If installing a Daikin *ATMOSPHERA* single-zone system

††Requires installation of AZAI6WSCDKA, AZAI6WSCDKB or AZAI6WSPDKC (model dependent)

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

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

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

Single and Multi-Zone System Installation Best Practices

Outdoor Unit (Compressor)

» Locate the outdoor unit on a stable level surface solid enough to bear the weight and potential vibration of the unit.

» Use adjustment risers to place the unit off the ground to minimize debris and snow buildup and improve drainage. Do not place anything under the unit which must be kept away from moisture.

» Secure outdoor units to pads, risers and/or surface using bolts and/or adhesives.

Condensate Drain

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

Refrigerant Charge

» Ensure the system has the proper refrigerant charge. Many installations may not require adjustments.

» Gauges to verify refrigerant levels are only needed when adjustments are necessary. A scale must be used to ensure a proper charge when adding or removing refrigerant.

Properly installed Daikin systems can provide:

» Reduced callbacks and improved profitability

» Valuable energy savings for your customers*

» Improved customer satisfaction

» Increased referrals and future sales

*Compared to 14 SEER2 Unitary System

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

Line Set Insulation and Protection

» Cover the entire line set length with insulation to avoid condensation. Refer to installation manual for proper insulation dimensions.

» Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

» Use line cover to protect the outdoor portion of the insulated line set to avoid premature insulation damage.

» Add UV tape as needed on areas without line cover to ensure protection of the entire line set length.

Cold Climate Efficiency and Installation Tips

Indoors

» Furnaces or Zonal Electric Heat – Set back at the thermostat or shut off at the breaker for furnace or zonal heat so that it does not compete with the Daikin system.

» Temperature Set Back – Set programmable thermostat to HEAT with the fan in ON position for air distribution and set the temperature 4°F below the Daikin system.

Outdoors

» Increase clearance under the outdoor unit to promote easy drainage and reduce snow and ice buildup.

» Consider wall-mount brackets to increase outdoor unit clearance.

» Use a pan heater to avoid defrost discharge freezing inside the condenser in extreme climates.

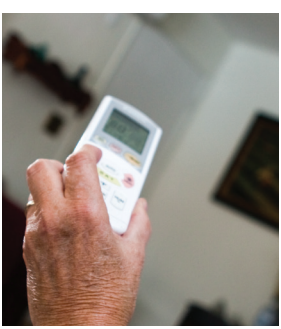
Homeowner Education

» Use Daikin systems as the primary heating and cooling system to increase comfort and efficiency. Secondary heating and cooling systems can remain off until needed as a supplement.

» Regular washing and cleaning of the filters can maintain performance and efficiency of Daikin single and multi-zone systems.

» Familiarize customers with all features provided on the Remote functionality, please see the Controller Quick User Guides:
  - BRC944B2 Controller Quick User Guide
  - Daikin *One+* Smart Thermostat Homeowner Guide

continued on next page

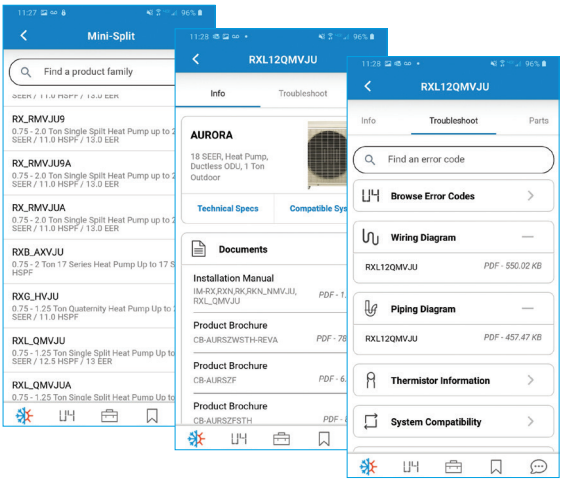


» Introduce the features of the Daikin Comfort Control App or DKN Cloud app
  - Wi-Fi set-up
  - Smart phone and tablet control
  - System control and scheduling
» Explain temperature control from remote controller, set temperature set-points that provide the desired comfort level for heat and cool operations.
» Select and set the priority zone setting (Multi-Zone).

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

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

Daikin *Tech Hub* App



Streamlined Product and Technical Guidance – enhance the way you do business with the new Daikin *Tech Hub* app.

Why wait for service support? With the new Daikin *Tech Hub* app, you no longer have to. Daikin *Tech Hub* is developed to assist in your daily work by providing Daikin product technical and service information through an easy to use mobile app platform.

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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 (1-855-324-5461)

www.daikinac.com

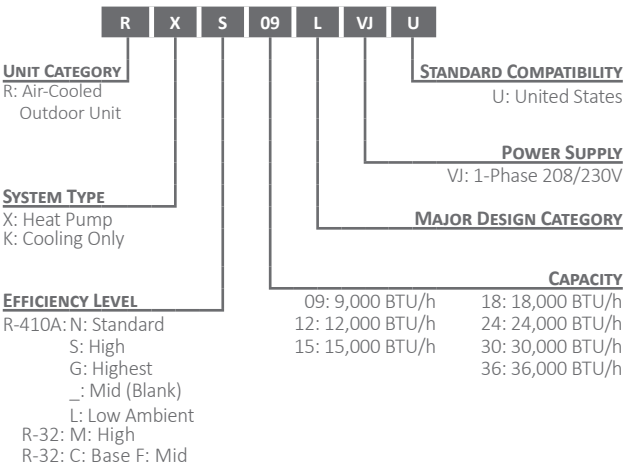
Scan to visit www.daikinac.com

SPECIFICATIONS & ACCESSORIES

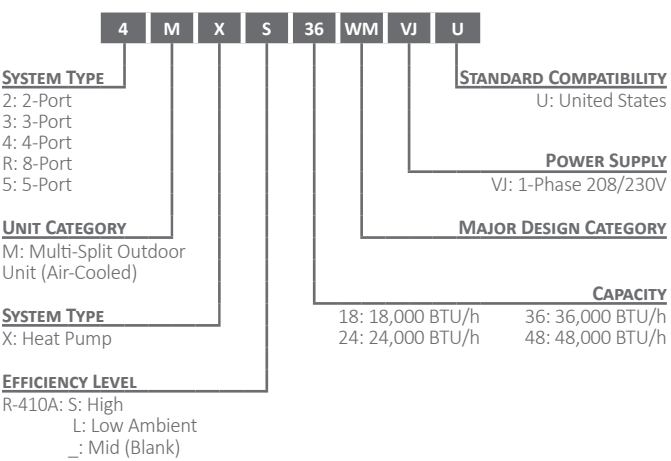
Nomenclature

How to Read Model Numbers – Outdoor Units

Single Zone

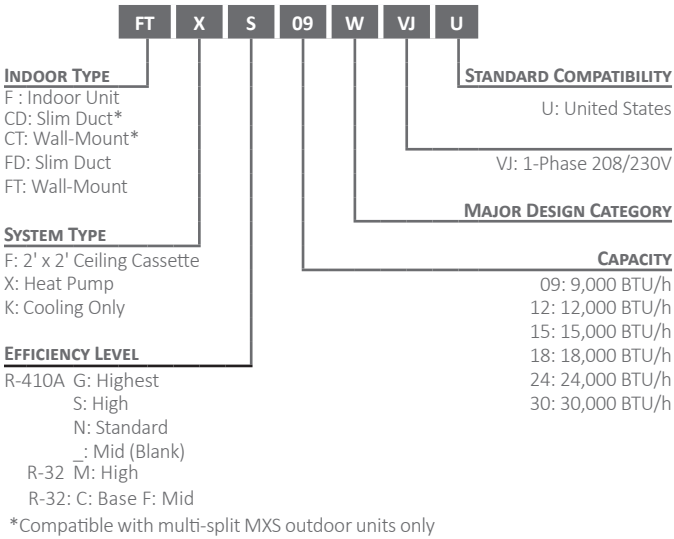


Multi-Zone



Nomenclature

How to Read Model Numbers – Indoor Units



Nomenclature

How to Read Model Numbers

F	C	Q	18	TA	VJ	U

UNIT TYPE
F: Indoor Unit

INDOOR TYPE
A: Wall-Mount Unit
B: DC Duct
C: *Round Flow* Cassette
H: Ceiling Suspended
T: Air-Handler

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

CAPACITY
18: 18,000 BTU/h
24: 24,000 BTU/h
30: 30,000 BTU/h
36: 36,000 BTU/h
42: 42,000 BTU/h
48: 48,000 BTU/h

MAJOR DESIGN CATEGORY

POWER SUPPLY
VJ: 1-Phase 208/230V

STANDARD COMPATIBILITY
U: United States

R	Z	Q	18	TB	VJ	U

UNIT TYPE
R: Outdoor Unit

FAMILY TYPE
Z: *SkyAir*

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

CAPACITY
18: 18,000 BTU/h
24: 24,000 BTU/h
30: 30,000 BTU/h
36: 36,000 BTU/h
42: 42,000 BTU/h
48: 48,000 BTU/h

MAJOR DESIGN CATEGORY

POWER SUPPLY
VJ: 1-Phase 208/230V

STANDARD COMPATIBILITY
U: United States

Daikin *ENTRA* Wall-Mounted Specs Available with R-410A

Single Zone Heat Pump

REGULATIONS 2023 COMPLIANT

DAIKIN *ENTRA* (R-410A SPECIFICATIONS)		
NOMINAL TONS		**0.75 TON**
INDOOR MODEL	Heat Pump	**FTXB09BXVJU**
OUTDOOR MODEL	Heat Pump	**RXB09BXVJU**
Cooling Capacity	BTU/h	8,800
Cooling Capacity (min-Max)	BTU/h	4,400-10,200
Heating Capacity (Rated)	BTU/h	9,400
Heating Capacity (min-Max)	BTU/h	4,400-13,600
SEER2/HSPF2		18/9
COP/EER2		3.56/11
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	12.35
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	in.	65.6
Max. Piping Height	in.	32.8
Indoor Dimensions (H x W x D)	in.	11⅓ x $30^{5}/_{16}$ x $9^{3}/_{16}$
Outdoor Dimensions (H x W x D)	in.	$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Heating	°F DB	5-65

DAIKIN *ENTRA* (R-410A SPECIFICATIONS)		
1 TON	**1.5 TON**	**2 TON**
FTXB12BXVJU	**FTXB18BXVJU**	**FTXB24BXVJU**
RXB12BXVJU	**RXB18BXVJU**	**RXB24BXVJU**
11,000	18,000	21,200
4,400-16,200	4,300-21,200	6,000-22,200
11,300	17,900	21,200
4,400-16,200	4,000-22,500	4,100-27,300
18/9	18/8.5	
3.3/8.5	3.3/10.5	3.53/10.5
208-230V / 1 Ph		
12.4	16.55	16.55
15	20	
Ø ¼		
Ø ⅜	Ø ½	Ø ⅝
Ø ⅝		
65.6	98.4	
32.8		
11⅓ x $30^{5}/_{16}$ x $9^{3}/_{16}$	$11^{11}/_{16}$ x $39^{9}/_{16}$ x 10¾	
$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$	$27^{13}/_{32}$ x 36⅝ x $13^{13}/_{16}$	
50 - 115		
5-65		

Daikin *ENTRA* Wall-Mounted Specs Available with R-32

Single Zone Heat Pump

R32

REGULATIONS 2023 COMPLIANT

DAIKIN *ENTRA* (R32 SPECIFICATIONS)		
NOMINAL TONS		**0.75 TON**
INDOOR MODEL	Heat Pump	**0.75 TON**
OUTDOOR MODEL	Heat Pump	**FTXC09AXVJU**
Cooling Capacity	BTU/h	**RXC09AXVJU**
Cooling Capacity (min-Max)	BTU/h	9000
Heating Capacity (Rated)	BTU/h	4,400-10,200
Heating Capacity (min-Max)	BTU/h	9,400
SEER2/HSPF2		18/9
COP/EER2		3.6/11
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	9.3
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	in.	65.6
Max. Piping Height	in.	32.8
Indoor Dimensions (H x W x D)	in.	11⅓ x $30^{5}/_{16}$ x $9^{3}/_{16}$
Outdoor Dimensions (H x W x D)	in.	$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Heating	°F DB	5-65

DAIKIN *ENTRA* (R32 SPECIFICATIONS)		
1 TON	**1.5 TON**	**2 TON**
FTXC12AXVJU	**FTXC18AXVJU**	**FTXC24AXVJU**
RXC12AXVJU	**RXC18AXVJU**	**RXC24AXVJU**
12,000	18,100	22,400
4,400-13,300	6,900-20,000	6,900-24,200
11,300	18,000	23,000
4,400-16,400	5,800-22,500	5,800-27,300
18/9	18/8.5	
3.3/8.5	3.3/10.5	3.4/12
208-230V / 1 Ph		
9.36	16.34	
15	20	
Ø ¼		
Ø ⅜	Ø ½	Ø ⅝
5/8		
65.6	98.5	
32.8		
11⅓ x $30^{5}/_{16}$ x $9^{3}/_{16}$	$11^{11}/_{16}$ x $39^{9}/_{16}$ x 10¾	
$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$	$27^{13}/_{32}$ x 36⅝ x $13^{13}/_{16}$	
50 - 115		
5-65		

Daikin *Oterra* Wall-Mounted Specs Available with R-410A

Single Zone Heat Pump

REGULATIONS 2023 COMPLIANT

DAIKIN *OTERRA* (R-410A SPECIFICATIONS)		
NOMINAL TONS		**0.75 TON**
INDOOR MODEL	Heat Pump	**FTX09BXVJU**
OUTDOOR MODEL	Heat Pump	**RX09BXVJU**
INDOOR MODEL	Cooling Only	**FTK09BXVJU**
OUTDOOR MODEL	Cooling Only	**RK09BXVJU**
Cooling Capacity	BTU/h	8,900
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
SEER2/HSPF2		20/10
COP*/EER2		4.06/12.5
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	12.35
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	in.	65.6
Max. Piping Height	in.	49.3
Indoor Dimensions (H x W x D)	in.	11⅓ x $30^{29}/_{32}$ x $9^{27}/_{32}$
Outdoor Dimensions (H x W x D)	in.	$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50-115
Operating Range - Low-Ambient Cooling**	°F DB	5-115
Operating Range - Cooling w/ Optional Air Adjustment Grille**	°F DB	-4-115
Operating Range - Heating	°F DB	5-65

DAIKIN *OTERRA* (R-410A SPECIFICATIONS)		
1 TON	**1.5 TON**	**2 TON**
FTX12BXVJU	**FTX18BXVJU**	**FTX24BXVJU**
RX12BXVJU	**RX18BXVJU**	**RX24BXVJU**
FTK12BXVJU	**FTK18BXVJU**	**FTK24BXVJU**
RK12BXVJU	**RK18BXVJU**	**RK24BXVJU**
10,900	18,000	21,200
4,400-13,300	5,500-20,000	5,500-24,000
13,500	21,600	23,600
4,400-16,400	5,500-24,000	5,800-27600
20/10	20/9	
3.8/12.5	3.6/12.5	3.45/12.2
208-230V / 1 Ph		
12.4	13.55	13.55
15	20	
Ø ¼		
Ø ⅜	Ø ½	Ø ⅝
Ø ⅝		
65.6	98.4	
49.3	65.6	
11⅓ x $30^{29}/_{32}$ x $9^{27}/_{32}$		
$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$		
50-115		
5-115		
-4-115		
5-65		

Daikin *Oterra* Wall-Mounted Specs Available with R-32

Single Zone Heat Pump

R32

REGULATIONS 2023 COMPLIANT

DAIKIN *OTERRA* (R-32 SPECIFICATIONS)		
NOMINAL TONS		**0.75 TON**
INDOOR MODEL	Heat Pump	**FTKF09AXVJU**
OUTDOOR MODEL	Heat Pump	**FTXF09AXVJU**
INDOOR MODEL	Cooling Only	**RKF09AXVJU**
OUTDOOR MODEL	Cooling Only	**RXF09AXVJU**
Cooling Capacity	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
SEER2/HSPF2		21/10.2
COP*/EER2		4.06/12.5
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	9.3
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	in.	65.6
Max. Piping Height	in.	49.3
Indoor Dimensions (H x W x D)	in.	11⅓ x $30^{29}/_{32}$ x $9^{27}/_{32}$
Outdoor Dimensions (H x W x D)	in.	$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50-118
Operating Range - Low-Ambient Cooling**	°F DB	50-118
Operating Range - Cooling w/ Optional Air Adjustment Grille**	°F DB	-4-118
Operating Range - Heating	°F DB	5-65

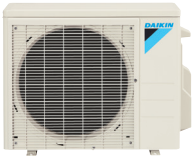
DAIKIN *OTERRA* (R-32 SPECIFICATIONS)		
1 TON	**1.5 TON**	**2 TON**
FTKF12AXVJU	**FTKF18AXVJU**	**FTKF24AXVJU**
FTXF12AXVJU	**FTXF18AXVJU**	**FTXF24AXVJU**
RKF12AXVJU	**RKF18AXVJU**	**RKF24AXVJU**
RXF12AXVJU	**RXF18AXVJU**	**RXF24AXVJU**
12,000	18,100	22,400
4,400-14,600	6,900-22,000	7,000-26,400
13,500	21,600	23,600
4,400-18,000	5,800-26,400	6,200-28,600
21/10.2	21/9.6	
3.8/12.5	3.6/12.5	3.45/12.2
208-230V / 1 Ph		
9.36	16.34	16.34
15	20	
Ø ¼		
Ø ⅜	Ø ½	Ø ⅝
Ø ⅜		
65.6	98.4	
49.3	65.6	
11⅓ x $30^{29}/_{32}$ x $9^{27}/_{32}$		
$21^{11}/_{16}$ x 26½ x $11^{3}/_{16}$		
50-118	50-122	
5-118	5-122	
-4-118	-4-122	
5-65		

Daikin *EMURA* Wall-Mounted Specs

Single Zone Heat Pump

Nominal Tons		**0.75 Ton**
Indoor Models	Heat Pump	**FTXR09WVJUW/S9**
Outdoor Models	Heat Pump	**RX09WMVJU9**
Cooling Capacity (Rated)	BTU/h	9,000
Cooling Capacity (Min – Max)	BTU/h	4,500 - 10,600
Heating Capacity (Rated)	BTU/h	10,000
Heating Capacity (Min – Max)	BTU/h	4,100- 14,600
SEER2/HSPF2		18/7.5
COP/EER2		4.0/11.0
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	7.60
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.2
Indoor Dimensions (H x W x D)	in.	$11^{15}/_{16}$ x $39^{5}/_{16}$ x 8⅜
Outdoor Dimensions (H x W x D)	in.	21⅝ x $26^{9}/_{16}$ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Low-Ambient Cooling*	°F DB	14 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating †	°F WB	5 - 65

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



1.0 Ton	1.5 Ton
FTXR12WVJUW/S9	FTXR18WVJUW/S9
RX12WMVJU9	RX18WMVJU9
12,000	18,000
4,500 - 12,800	5,100 - 18,500
13,500	20,000
4,100 - 15,800	5,800 - 21,200
17.0/8	14.5/7.8
3.58/11	3.34/9.6
208-230V / 1 Ph	
7.70	11.00
15	
Ø ¼	
Ø ⅜	Ø ½
Ø ⅝	
49.2	65.6
49.20	65.60
11 15/16 x 39 5/16 x 8⅜	
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝
50 - 115	
14 - 115	
-4 - 115	
5 - 65	

Daikin *AURORA* Wall-Mounted Specs

Enhanced-Capacity Single Zone Heat Pump

Nominal Tons		**0.75 Ton**
Indoor Models	Heat Pump	**FTX09WMVJU9**
Outdoor Models	Heat Pump	**RXL09WMVJU9**
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
SEER2/HSPF2		19.5/10
COP/EER2		3.96/11.5
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	8.7
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.25
Indoor Dimensions (H x W x D)	in.	11¼ x 30 5/16 x 8¾
Outdoor Dimensions (H x W x D)	in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Low-Ambient Cooling*	°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating†	°F WB	-13 - 60

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

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

1.0 Ton	1.25 Ton	1.5 Ton	2.0 Ton
FTX12WMVJU9	FTX15WMVJU9	FTX18WVJU9	FTX24WVJU9
RXL12WMVJU9	RXL15WMVJU9	RXL18WMVJU9	RXL24WMVJU9
10,600	15,000	18,000	21,200
4,400 - 13,300	5,800 - 18,400	9,000-21,600	9,000-25,800
13,400	18,300	21,600	24,000
4,400 - 18,800	5,800 - 24,600	9,000-28,000	24,000 (9,000-32,000)
19.5/10		19.8/8.5	19.5/8.5
3.9/ 12.5	4.0/ 13.0	3.5 / 12.5	3.3 / 12.5
208-230V / 1 Ph			
12.2		18.6	18.8
15		20	
Ø ¼			
Ø ⅜	Ø ½		Ø ⅝
Ø ⅝			
65.6	98.5		
49.2	65.6		
11¼ x 30 5/16 x 8¾	11⅝ x 39 x 10⅜	13⅜ × 41 5/16 × 10¼	
21⅝ x 26 9/16 x 11 3/16	28 15/16 x 34¼ x 12⅝	28 15/16 x 34¼ x 12⅝	
50 - 115	50 - 115	50 - 115	50 - 115
5 - 115	5 - 115	5 - 115	5 - 115
-4 - 115	-4 - 115	-4 - 115	-4 - 115
-13 - 65	-13 - 60	-13 - 65	-13 - 65

Daikin *AURORA* Floor-Standing Specs

Enhanced-Capacity Single Zone Heat Pumps

Nominal Tons		**0.75 Ton**
Indoor Models	Heat Pump	**FVXS09WVJU9**
Outdoor Models	Heat Pump	**RXL09WMVJU9**
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
SEER2/HSPF2		19.5/9.7
COP/EER2		3.86/11.5
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	8.7
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø $^{13}/_{16}$
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.25
Indoor Dimensions (H x W x D)	in.	23⅜ x 27$^{9}/_{16}$ x 8¼
Outdoor Dimensions (H x W x D)	in.	21⅝ x 26$^{9}/_{16}$ x 11$^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Low-Ambient Cooling*	°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating†	°F WB	-13 - 60

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

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

FVXS12WVJU9	FVXS15WVJU9
RXL12WMVJU9	RXL15WMVJU9
10,200	**15,000**
4,400 - 12,300	5,800 - 17,100
13,000	18,300
4,400 - 17,100	5,800 - 24,000
4,400 - 17,100	5,800 - 24,000
19.5/9.4	19.5/9.3
3.76/11	3.52/11.5
208-230V / 1 Ph	
12.2	12.3
15	
Ø ¼	
Ø ⅜	Ø ½
Ø $^{13}/_{16}$	
65.6	
49.25	
23⅝ x 27 $^{9}/_{16}$ x 8¼	
21⅝ x 26 $^{9}/_{16}$ x 11 $^{3}/_{16}$	23⅝ x 27 $^{9}/_{16}$ x 8¼
50 - 115	
5 - 115	
-4 - 115	
-13 - 65	-13 - 60

Daikin *AURORA* FDMQ Specs

Enhanced-Capacity Single Zone Heat Pump

Nominal Tons		**1.0 Ton**
Indoor Models		**FDMQ12WVJU9**
Outdoor Models		**RXL12WMVJU9**
Cooling Capacity (Rated)	BTU/h	10,800
Cooling Capacity (Min – Max)	BTU/h	6,500 - 13,200
Heating Capacity (Rated)	BTU/h	13,600
Heating Capacity (Min – Max)	BTU/h	6,300 - 17,000
SEER2/HSPF2		14.6/8.9
COP/EER2		3/8.9
Power Supply	V/PH	208/230V/1 Ph
Minimum Circuit Amps	A	12.6
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø 1
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.2
Indoor Dimensions (H x W x D)	in.	9⅝ x 27 9/16 x 31½
Outdoor Dimensions (H x W x D)	in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Low-Ambient Cooling*	°F DB	5 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating†	°F WB	-13 - 65

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

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

1.5 Ton	2.0 Ton
FDMQ18WVJU9	**FDMQ24WVJU9**
RXL18WMVJU9	**RXL24WMVJU9**
17,600	21,200
9,000 - 20,200	9,000 - 24,000
21,600	24,000
9,000 - 25,000	9,000 - 27,600
15.2/8.5	
3.0/10.0	
208/230V/1 Ph	
19.1	19.3
20	
Ø ¼	
Ø ½	Ø ⅝
Ø 1	
98.5	
65.6	
9⅝ x 39⅜ x 31½	
21⅝ x 26 $^{9}/_{16}$ x 11 $^{7}/_{16}$	28 $^{5}/_{16}$ x 34¼ x 12⅝
50 - 115	
5 - 115	
-4 - 115	
-13 - 65	

Daikin *ATMOSPHERA* Wall-Mounted Specs

Single Zone Heat Pump

Nominal Tons		**0.75 Ton**
Indoor Models	Heat Pump	**FTXM09WVJU9**
Outdoor Models	Heat Pump	**RXM09WVJU9**
Cooling Capacity (Rated)	BTU/h	9,000
Cooling Capacity (Min – Max)	BTU/h	4,400 - 12,500
Heating Capacity (Rated)	BTU/h	11,000
Heating Capacity (Min – Max)	BTU/h	4,400 - 19,500
SEER2/HSPF2		27.4/11.2
COP/EER2		4.6/16.3
Power Supply		208/230V/1 Ph
Minimum Circuit Amps	A	12.3
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø ¼
Gas Piping Connections (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø ⅝
Max. Piping Length	ft.	82
Max. Piping Height	ft.	65.6
Indoor Dimensions (H x W x D)	in.	11¾ x 36¼ x $10^{13}/_{16}$
Outdoor Dimensions (H x W x D)	in.	$23^{7}/_{16}$ x 33 x $11^{13}/_{16}$
Operating Range - Cooling*	°F DB	50-115
Operating Range - Low-Ambient Cooling*	°F DB	14-115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4-115
Operating Range - Heating	°F WB	-13 - 65

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

1.0 Ton	1.5 Ton	2.0 Ton
FTXM12WVJU9	FTXM18WVJU9	FTXM24WVJU9
RXM12WVJU9	RXM18WVJU9	RXM24WVJU9
12,000	18,000	21,600
4,800 - 16,000	9,000 - 22,000	9,000 - 26,000
13,600	21,600	24,000
4,800 - 22,600	9,000 - 30,200	9,000 - 32,200
25.2/10.7	22.7/10	22.0/10
4.4/13.2	3.6/12.5	3.54/12
208/230V/1 Ph		
12.3	18.8	19.8
15	20	
Ø ¼		
Ø ⅜	Ø½	Ø ⅝
Ø ⅝		
82	98.4	
65.6	82	
11¾ x 36¼ x $10^{13}/_{16}$	11¾ x $43^{5}/_{16}$ x $10^{13}/_{16}$	
$23^{7}/_{16}$ x 33 x $11^{13}/_{16}$	$28^{15}/_{16}$ x 34¼ x 12⅝	
50-115		
14-115		
-4-115		
-13 - 65		

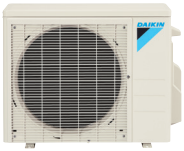
* Cutting a jumper or a dipswitch setting is required. Refer to installation manual.

FDMQ Specs

Ducted Concealed Heat Pump

Nominal Tons		**075 Ton**	**1 Ton**
Indoor Models	Heat Pump	**FDMQ09WVJU9**	**FDMQ12WVJU9**
Outdoor Models	Heat Pump	**RX09WMVJU9**	**RX12WMVJU9**
Cooling Capacity (Rated)	BTU/h	9,000	10,800
Cooling Capacity (Min – Max)	BTU/h	3,900 - 10,700	4,000 - 12,800
Heating Capacity (Rated)	BTU/h	10,900	13,600
Heating Capacity (Min – Max)	BTU/h	3,900 - 14,000	3,900 - 16,100
SEER2/HSPF2		14.3/8.2	14.6/8.1
COP/EER2		3.0/8.5	3/8.8
Power Supply	V/PH	208/230V/1 Ph	
Minimum Circuit Amps	A	9	9.1
Maximum Overcurrent Protection	A	15	
Liquid Piping Connections (O.D.)	in.	Ø ¼	
Gas Piping Connections (O.D.)	in.	Ø ⅜	
Condensate Drain	in.	Ø 1	
Max. Piping Length	ft.	65.6	
Max. Piping Height	ft.	49.25	
Indoor Dimensions (H x W x D)	in.	9⅝ x 27 $^{9}/_{16}$ x 31½	
Outdoor Dimensions (H x W x D)	in.	21⅝ x 26 $^{9}/_{16}$ x 11 $^{3}/_{16}$	
Operating Range - Cooling	°F DB	50 - 115	
Operating Range - Low-Ambient Cooling*	°F DB	14 - 115	
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115	
Operating Range - Heating	°F WB	5 - 65	

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



1.25 Ton	1.5 Ton	2.0 Ton
FDMQ15WVJU9	**FDMQ18WVJU9**	**FDMQ24WVJU9**
RX15WMVJU9	**RX18WMVJU9**	**RX24WMVJU9**
14,400)	17,600	21,800
5,100 - 17,400	5,100 - 19,600	5,500 - 24,000
18,000	21,600	24,000
5,600 - 18,500	5,700 - 23,000	6,400 - 27,6000
15.3/8.2	15.3/8.2	15.2/8.1
3.0/10	3.0/9.4	3.0/10
208/230V/1 Ph		
9.7	12.8	16.9
15		20
Ø ¼		
Ø ½		Ø ⅝
Ø 1		
98.5		
65.6		
9⅞ x 39⅜ x 31½		
28$^{5}/_{16}$ x 34¼ x 12⅝		
50 - 115		
14 - 115		
-4 - 115		
5 - 65		

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

Daikin *VISTA* Specs

Ceiling Cassette Heat Pump
Up to 19.8 SEER2 | 9.4 HSPF2

Nominal Tons		**0.75 Ton**
Indoor Models	Heat Pump	**FFQ09W2VJU9/8**
Outdoor Models	Heat Pump	**RX09WMVJU9**
Cooling Capacity (Rated)	BTU/h	9,100
Cooling Capacity (Min – Max)	BTU/h	4,600 - 11,000
Heating Capacity (Rated)	BTU/h	10,000
Heating Capacity (Min – Max)	BTU/h	4,600 - 14,000
SEER2/HSPF2		19.8/9.4
COP/EER2		4.2/12.0
Power Supply		208-230V / 1 Ph
Minimum Circuit Amps	A	7.8
Maximum Overcurrent Protection	A	15
Liquid Piping Connections (O.D.)	in.	Ø 1/4
Gas Piping Connections (O.D.)	in.	Ø 3/8
Condensate Drain	in.	Ø 1 1/32
Max. Piping Length	ft.	65.6
Max. Piping Height	ft.	49.25
Indoor Dimensions (H x W x D)	in.	10¼ x 22⅝ x 22⅝
Outdoor Dimensions (H x W x D)	in.	21⅝ x 26 9/16 x 11 3/16
Operating Range - Cooling	°F DB	50 - 115
Operating Range -Low-Ambient Cooling*	°F DB	14 - 115
Operating Range - Cooling w/ Optional Air Adjustment Grille*	°F DB	-4 - 115
Operating Range - Heating	°F WB	5 - 65

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

Shown with decoration panel BYFQ60C2W1S

Shown with decoration panel BYFQ60C2W1W

1.0 Ton	1.25 Tons	1.5 Tons
FFQ12W2VJU9/8	FFQ15W2VJU9/8	FFQ18W2VJU9/8
RX12WMVJU9	RX15WMVJU9	RX18WMVJU9
10,800	14,400	17,400
4,600 - 13,300	5,100 - 16,200	5,100 - 18,800
13,500	16,200	21,600
4,600 - 16,800	5,200 - 16,300	5,400 - 21,800
19.5/9	19.6/8.8	18.2/8.4
3.66/11.5	3.52/11.5	3.00/11.5
208-230V / 1 Ph		
7.8	8.3	11
15		
Ø ¼		
Ø ⅜	Ø ½	
Ø $1\frac{1}{32}$		
65.6	98.5	
49.25	65.6	
10¼ x 22⅝ x 22⅝		
21⅝ x $26\frac{9}{16}$ x $11\frac{3}{16}$	$28\frac{15}{16}$ x 34¼ x 12⅝	
50 - 115		
14 - 115		
-4 - 115		
5 - 65		

Optional occupancy sensor kits are available: White BRYQ60A2W Silver BRYQ60A2S

Daikin *POLARA*

Wall-Mounted Single Zone
Heat Pump or Cooling Only Units

Nominal Tons		**2.5 Ton**	**3 Ton**
Indoor Models		**FTX30WVJU9**	**FTX36WVJU9**
Outdoor Models	Heat Pump	**RK30WMVJU9**	**RK36WMVJU9**
Outdoor Models	Cooling Only	**RX30WMVJU9**	**RX36WMVJU9**
Cooling Capacity (Rated)	BTU/h	31,400	34,400
Cooling Capacity (Min – Max)	BTU/h	10,200 - 31,400	10,200 - 34,400
Heating Capacity (Rated)[+]	BTU/h	34,800	36,000
Heating Capacity (Min – Max)[+]	BTU/h	10,200 - 34,800	10,200 - 36,000
SEER2/HSPF2+		17.5/7.5	15.9/7.5
COP+/EER2		2.9/9.85	2.72/9.1
Power Supply		208-230V / 1 Ph	
Minimum Circuit Amps	A	16.6	18.6
Maximum Overcurrent Protection	A	20	
Liquid Piping Connections (O.D.)	A	20	
Gas Piping Connections (O.D.)	in.	Ø ¼	
Condensate Drain	in.	Ø ⅝	
Max. Piping Length	in.	Ø ⅝	
Max. Piping Height	ft.	98.4	
Indoor Dimensions (H x W x D)	ft.	65.6	
Outdoor Dimensions (H x W x D)	in.	13⅜ x 47¼x 103$_{16}$	
Operating Range - Cooling	in.	28$^{15}_{16}$ x 34¼ x 12⅝	
Operating Range - Enhanced Cooling RX/RK*	°F DB	50 - 115	
Operating Range - Enhanced Cooling - RX/RK*	°F DB	14 - 115	
Operating Range - Low Ambient Cooling - RX/RK**	°F DB	-4 - 115	
Operating Range - Ultra Low Ambient Cooling - RK Only***	°F DB	-22 - 115	
Operating Range - Heating[+]	°F WB	5 - 65	

* Activated with a dipswitch setting. Refer to installation manual for more details
** Activated with a dipswitch setting and use of air direction adjustment grille Refer to installation manual for more details.
*** Activated with additional dipswitch setting and notes per **. Refer to installation manual for more details.
[+] Applicable to heat pump models only.

Daikin *CIRRA* (MX) Specs

Small Cabinet, 2-port Multi-Zone Outdoor Unit

Nominal Tons		**1.5 Tons**
Outdoor Model		**2MX18AXVJU**
Nominal Capacity	BTU/h	18,000
Cooling Capacity (Rated)	BTU/h	17,000
Cooling Capacity (Rated-Max)	BTU/h	17,000 - 17,500
Heating Capacity (Rated)	BTU/h	17,000
Heating Capacity (Rated-Max)	BTU/h	17,000 - 18,000
SEER2/ EER2/ HSPF2	Non-Ducted	17/10/9
Power Supply	V/Hz	208-230V/1
Minimum Circuit Amps	A	10.9
Max Overcurrent Protection	A	15
Power Consumption - Cooling	kW	1.7
Power Consumption - Heating	kW	1.4
Sound Pressure Level - Cooling/Heating	dB(A)	51 / 56
Max Piping Length	ft.	98.5
Max Piping Height	ft.	49.2
Dimensions (HxWxD)	in.	$21^{11}/_{16}$x 26½ x $11^{3}/_{16}$
Operating Range - Cooling	°F DB	50 - 115
Operating Range - Heating	°F WB	5 - 65

Wall-Mounted		**2MX18AXVJU**
	CTX07AXVJU	x
	CTX09AXVJU	x
	CTX12AXVJU	x

Daikin *CIRRA* Indoor Unit Specs				
Nominal Tons		.5 Ton	.75 Ton	1 Ton
Indoor Model#		CTX07AXVJU	CTX09AXVJU	CTX12AXVJU
Cooling Capacity (Nominal)	BTU/h	7,000	9,000	12,000
Liquid Piping Connection (O.D.)	in.	Ø ¼		
Gas Piping Connection (O.D.)	in.	Ø ⅜		
Condensate Drain	in.	Ø ⅝		
Indoor Dimensions (H x W x D)	in.	11⅓ x $30^{29}/_{32}$ x $9^{27}/_{32}$		

Daikin *AURORA* (MXL) Specs

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

Nominal Tons		**1.5 Tons**	**2.0 Tons**	**3.0 Tons**
Outdoor Models		**2MXL18WMVJU9**	**3MXL24WMVJU9**	**4MXL36WVJU9**
Nominal Capacity	BTU/h	18,000	24,000	36,000
Cooling Capacity (Rated)	BTU/h	17,800	24,000	34,000
Cooling Capacity (Rated-Max)	BTU/h	17,800 - 24,000	24,000 - 30,000	34,000 - 40,500
Cooling Capacity @ 115°F	BTU/h	20300	25,760	36,350
Heating Capacity (Rated)	BTU/h	18,500	24,000	36,600
Heating Capacity (Rated-Max)	BTU/h	18,500 - 36,000	24,000 - 41,000	36,600 - 54,500
Heating Capacity @ 5°F	BTU/h	18,930	21,600	36,600
SEER2 / EER2 /HSPF2	Non-Ducted	16/12.0/8.7	18/11.7/9.7	20/11.7/9
	Mixed	15.15/10.5/8.2	16.45/10.1/8.75	17.95/10.5/8.55
	Ducted	14.3/9.0/7.7	14.9/8.5/7.8	15.9/9.3/8.1
Power Supply	V/Hz	208-230V/1		
Minimum Circuit Amps	A	17	20.1	30.2
Max Overcurrent Protection	A	20	25	35
Power Consumption - Cooling	kW	1.44	1.71	2.95
Power Consumption - Heating	kW	1.24	1.7	2.23
Sound Pressure Level - Cooling/Heating	dB(A)	50 / 51	52 / 54	53 / 55
Max Piping Length	ft.	164.0	230	230
Max Piping Height	ft.	49.2		
Dimensions (HxWxD)	in.	28 15/16 x 34 1/4 x 12 5/8		34 1/4 x 43 5/16 x 18 1/8
Operating Range - Cooling	°F DB	14 - 115		
Operating Range - Heating	°F WB	-13 - 60		

		2MXL18WMVJU9	3MXL24WMVJU9	4MXL36WVJU9
WALL-MOUNTED	CTXS07WVJU9	x	x	x
	FTXS09WVJU9	x	x	x
	FTXS12WVJU9	x	x	x
	FTXS15WVJU9	x	x	x
	FTXS18WVJU9	x	x	x
	FTXS24WVJU9	x	x	x
	FTXR09WVJU(W/S)9	x	x	x
	FTXR12WVJU(W/S)9	x	x	x
	FTXR18WVJU(W/S)9	x	x	x
2X2 CASSETTE	FFQ09W2VJU9	x	x	x
	FFQ12W2VJU9	x	x	x
	FFQ15W2VJU9	x	x	x
	FFQ18W2VJU9	x	x	x
FLOOR-STANDING	FVXS09WVJU9/8	x	x	x
	FVXS12WVJU9/8	x	x	x
	FVXS15WVJU9/8	x	x	x
	FVXS18WVJU9/8	x	x	x
	CDMQ07WVJU9	x	x	x
	FDMQ09WVJU9	x	x	x
	FDMQ12WVJU9	x	x	x
	FDMQ15WVJU9	x	x	x
	FDMQ18WVJU9	x	x	x
	FDMQ24WVJU9	x	x	x
FDMQ DUCTED CONCEALED	CDMQ07WMVJU9		x	x
	FDMQ09WMVJU9	x	x	x
	FDMQ12WMVJU9	x	x	x
	FDMQ15WMVJU9	x	x	x
	FDMQ18WMVJU9	x	x	x
	FDMQ24WMVJU9	x	x	x

Daikin *AURORA* MXLH Specs

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

Nominal Tons		**1.5 Tons**	**2.0 Tons**	**3.0 Tons**
Outdoor Models		**2MXLH18WMVJU9**	**3MXLH24WMVJU9**	**4MXLH36WVJU9**
Nominal Capacity	BTU/h	18,000	24,000	36,000
Cooling Capacity (Rated)	BTU/h	17,800	24,000	34,000
Cooling Capacity (Rated-Max)	BTU/h	17,800 - 24,000	24,000 - 30,000	34,000 - 40,500
Cooling Capacity @ 115°F	BTU/h	20,300	25,760	36,350
Heating Capacity (Rated)	BTU/h	18,500	24,000	36,600
Heating Capacity (Rated-Max)	BTU/h	18,500 - 36,000	24,000 - 41,000	36,600 - 54,500
Heating Capacity @ 5°F	BTU/h	18,930	21,600	36,600
SEER2 / EER2 /HSPF2	Non-Ducted	16/12/8.5	18/11.7/9.3	20/11.7/8.8
	Mixed	15.2/10.5/8	16.5/10.1/8.4	15.9/9.3/7.8
	Ducted	14.3/9/7.5	14.9/8.5/7.5	18/10.5/8.3
Power Supply	V/Hz	208-230V/1		
Minimum Circuit Amps	A	17	20.1	30.2
Max Overcurrent Protection	A	20	25	35
Power Consumption - Cooling	kW	1.44	1.71	2.95
Power Consumption - Heating	kW	1.24	1.7	2.23
Sound Pressure Level - Cooling/Heating	dB(A)	50 / 51	52 / 54	53 / 55
Max Piping Length	ft.	164.0	229.6	229.6
Max Piping Height	ft.	49.25		
Dimensions (HxWxD)	in.	28 15/16 x 34 1/4 x 12 5/8		34 1/4 x 43 5/16 x 18 1/8
Operating Range - Cooling	°F DB	14 - 115		
Operating Range - Heating	°F WB	-13 - 60		

MXS Specs

Multi-Zone Outdoor Unit

Nominal Tons		**1.5 Ton**	**2.0 Tons**
Outdoor Models		**2MXS18WMVJU9**	**3MXS24WMVJU9**
Nominal Capacity		18,000	24,000
Cooling Capacity (Rated)	BTU/h	17,500	24,000
Cooling Capacity (Rated-Max)	BTU/h	17,500 - 21,000	24,000 - 30,000
Heating Capacity (Rated)	BTU/h	18,500	24,000
Heating Capacity (Rated-Max)	BTU/h	18,500 - 25,000	24,000 - 36,000
SEER2/ EER2/ HSPF2	Non-Ducted	16.0 / 11.8 / 8.7	18.0 / 11.7 / 9.7
	Mixed	15.15 / 10.3 / 8.2	16.45 / 10.1 / 8.75
	Ducted	14.3 / 8.8 / 7.7	14.9 / 8.5 / 7.8
Power Supply	V / ~ / Hz	208-230V / 1 Ph / 60	
Minimum Circuit Amps	A	15.5	18.1
Maximum Overcurrent Protection	A	20	25
Power Consumption - Cooling	kW	1.43	1.71
Power Consumption - Heating	kW	1.3	1.8
Sound Pressure Level - Cooling/Heating	dB(A)	50/51	52/54
Max Piping Length	ft.	164.0	229.6
Max Piping Height	ft.	49.2	
Dimensions	HxWxD	28 15/16 x 34¼ x 12⅝	
Operating Range - Cooling	°F DB	14 - 115	
Operating Range - Heating	°F WB	5 - 60	

		2MXS18WMVJU9	**3MXS24WMVJU9**	**4MXS36WMVJU9**	**5MXS48WVJU9**
Wall-Mounted	**CTXS07WVJU9**	x	x	x	x
	FTXS09WVJU9	x	x	x	x
	FTXS12WVJU9	x	x	x	x
	FTXS15WVJU9	x	x	x	x
	FTXS18WVJU9		x	x	x
	FTXS24WVJU9			x	x
	FTXR09WVJU(W/S)9	x	x	x	x
	FTXR12WVJU(W/S)9	x	x	x	x
	FTXR18WVJU(W/S)9		x	x	x

3.0 Tons	4.0 Tons
4MXS36WMVJU9	5MXS48WVJU9
36,000	48,000
36,000	47,000
36,000 - 37,000	47,000 - 48,200
36,000	48,500
36,000 - 43,000	48,500 - 58,000
18.1 / 9.2 / 9.4	20.6 / 10.5 / 9.3
16.5 / 8.6 / 8.6	17.55 / 9.35 / 8.55
14.9 / 8.0 / 7.8	14.5 / 8.2 / 7.8
208-230V / 1 Ph	
20.9	30.8
25	35
3.37	4.47
2.73	3.65
54/56	53/55
229.6	262
49.2	49.2
28 15/16 x 34 1/4 x 12 5/8	34 1/4 x 43 5/16 x 18 1/8
14 - 115	
5 - 60	

		2MXS18WMVJU9	3MXS24WMVJU9	4MXS36WMVJU9	5MXS48WVJU9
2x2 Cassette	FFQ09W2VJU9/8	x	x	x	x
	FFQ12W2VJU9/8	x	x	x	x
	FFQ15W2VJU9/8	x	x	x	x
	FFQ18W2VJU9/8		x	x	x
Floor-Standing	FVXS09WVJU9	x	x	x	x
	FVXS12WVJU9	x	x	x	x
	FVXS15WVJU9	x	x	x	x
	FVXS18WVJU9		x	x	x
FDMQ Ducted Concealed	CDMQ07WVJU9	x	x	x	x
	FDMQ09WVJU9	x	x	x	x
	FDMQ12WVJU9	x	x	x	x
	FDMQ15WVJU9	x	x	x	x
	FDMQ18WVJU9		x	x	x
	FDMQ24WVJU9			x	x
Ceiling Mounted	FFQ09W2VJU8	x	x	x	x
	FFQ12W2VJU8	x	x	x	x
	FFQ15W2VJU8	x	x	x	x
	FFQ18W2VJU8		x	x	x

Daikin Multi-Zone System Specs

Indoor Units

Nominal Tons		.5 Ton	.75 Ton
Wall-Mounted Units			
Indoor Models			FTXR09WVJU(W/S)9
Cooling Capacity (Nominal)	BTU/h		9,000
Liquid Piping Connection (O.D.)	in.		Ø ¼
Gas Piping Connection (O.D.)	in.		Ø ⅜
Condensate Drain	in.		Ø 11/16
Indoor Dimensions (H x W x D)	in.		11 15/16 x 39 5/16 x 8⅜

Indoor Models		CTXS07WVJU9	FTXS09WVJU9
Rated Capacity Class	BTU/h	7,000	9,000
Liquid Piping Connection (O.D.)	in.	Ø ¼	
Gas Piping Connection (O.D.)	in.	Ø ⅜	
Condensate Drain	in.	Ø⅝	
Indoor Dimensions (H x W x D)	in.	11⅝ x 31½ x 8 7/16	

2' x 2' Ceiling Cassette Units		
Indoor Models		FFQ09W2VJU 9/8
Rated Capacity Class	BTU/h	9,500
Liquid Piping Connection (O.D.)	in.	Ø ¼
Gas Piping Connection (O.D.)	in.	Ø ⅜
Condensate Drain	in.	Ø 1/32
Indoor Dimensions (H x W x D)	in.	10¼ x 22⅝ x 22⅝

CTXS/FTXS

FTXR / CTXG

FFQ
Shown with decoration panel BYFQ60C2W1W

1 Ton	1.25 Tons	1.5 Tons
FTXR12WVJU(W/S)9		FTXR18WVJU(W/S)9
12,000		18,000
Ø ¼		Ø ¼
Ø ⅜		Ø ½
Ø $^{11}/_{16}$		Ø $^{11}/_{16}$
$11^{15}/_{16}$ x $39^{5}/_{16}$ x 8⅜		$11^{15}/_{16}$ x $39^{5}/_{16}$ x 8⅜

FTXS12WVJU9/8	FTXS15WVJU9/8	FTXS18WVJU9/8	FTXS24WVJU9/8
12,000	15,000	18,000	24,000
Ø ¼			
Ø ⅜	Ø ½		Ø ⅝
Ø ⅝			
$11^{7}/_{16}$ x 31½ x 9¾	13⅜ x $41^{5}/_{16}$ x 9¾		

FFQ12W2VJU8	FFQ15W2VJU8	FFQ18W2VJU8
12,000	15,000	18,000
Ø ¼		
Ø ⅜	Ø ½	
Ø $1^{1}/_{32}$		
10¼ x 22⅝ x 22⅝		

Daikin Multi-Zone System Specs

Indoor Units

Nominal Tons		.5 Ton	.75 Ton
FDMQ Ducted Concealed Units			
Indoor Models		**CDMQ07WVJU9**	**FDMQ09WVJU9**
Rated Capacity Class	BTU/h	7,000	9,000
External Static Pressure	in. Wg	0.6 (150)	
Liquid Piping Connection (O.D.)	in.	Ø ¼	
Gas Piping Connection (O.D.)	in.	Ø ⅜	
Condensate Drain	in.	Ø 1	
Indoor Dimensions (H x W x D)	in.	9-⅝ x 27-$^{9}/_{16}$ x 31-½	
Floor-Standing Units			
Indoor Models			**FVXS09WVJU9**
Rated Capacity Class	BTU/h		9,000
Liquid Piping Connection (O.D.)	in.		Ø ¼
Gas Piping Connection (O.D.)	in.		Ø ⅜
Condensate Drain	in.		$^{13}/_{16}$
Indoor Dimensions (H x W x D)	in.		23⅝ x 27$^{9}/_{16}$ x 8¼

FDMQ

FVXS

1.0 Ton	1.25 Ton	1.5 Ton	2.0 Ton
FDMQ12WVJU9	**FDMQ15WVJU9**	**FDMQ18WVJU9**	**FDMQ24WVJU9**
12,000	15,000	18,000	24,000
0.6 (150)			
Ø ¼			
Ø ⅜	Ø ½		Ø ⅝
Ø 1			
9⅝ x 27 9/16 x 31½	9⅝ x 39⅜ x 31½		

FVXS12WVJU9	**FVXS15WVJU9**	**FVXS18WVJU9**
12,000	15,000	18,000
Ø ¼		
Ø ⅜		
Ø 13/16		
23⅜ x 27 9/16 x 8¼		

SkyAir
SYSTEMS

FAQ series Specs

Wall-Mounted Single Zone Heat Pump or Cooling Only Units

Nominal Tons		**1.5 Tons**	**2.0 Tons**
Indoor Models		**FAQ18TAVJU**	**FAQ24TAVJU**
Outdoor Models Cooling Only		**RZR18TBVJUA/B**	**RZR24TBVJUA/B**
Outdoor Models Heat Pump		**RZQ18TBVJUA/B**	**RZQ24TBVJUA/B**
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Heating Capacity (Rated)*	BTU/h	20,000	27,000
SEER2		16.9	17.3
EER2		11.9	10.2
HSPF2 *		7.6	7.8
Power Supply		208/230V/1 Ph	
Liquid Piping Connections (O.D.	in.	Ø ⅜	
Gas Piping Connections (O.D.)	in.	Ø ⅝	
Condensate Drain	in.	Ø ½	
Net Weight	lbs.	31	
Max. Piping Length	ft.	164.0	
Max. Piping Height	ft.	98.0	
Indoor Dimensions (H x W x D)	in.	11⅜ x 41⅜ x 9¼	
Outdoor Dimensions (H x W x D)	in.	39 x 37 x 12⅝	
Operating Range - Cooling	°F DB	23 - 122	
Cooling Range w/ Air Adjustment Grille	°F DB	0 - 122	
Operating Range - Heating*	°F DB	-4 - 60	

* Available on Heat Pump models only

FBQ series Specs

HSP Ducted Concealed Heat Pump or Cooling Only

Nominal Tons		**1.5 Tons**	**2.0 Tons**	**2.5 Tons**
Indoor Models		**FBQ18TBVJU**	**FBQ24TBVJU**	**FBQ30TBVJU**
Outdoor Models Cooling Only		**RZR18TBVJUA/B**	**RZR24TBVJUA/B**	**RZR30TBVJUA/B**
Outdoor Models Heat Pump		**RZQ18TBVJUA/B**	**RZQ24TBVJUA/B**	**RZQ30TBVJUA/B**
Cooling Capacity (Rated)	BTU/h	17700	23400	28400
Heating Capacity (Rated)*	BTU/h	20600	27400	34800
SEER2		15.5		16.5
EER2		12.5	10.5	12.2
HSPF2*		8.5	9.3	8.9
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 ⅜		
Gas Piping Connections (O.D.)	in.	Ø ⅝		
Condensate Drain	in.	Ø 1		
Max. Piping Length	ft.	164.0		229.6
Max. Piping Height	ft.	98.4		
Indoor Dimensions (H x W x D)	in.	$9^{11}/_{16}$ x 39⅜ x 31½		
Outdoor Dimensions (H x W x D)	in.	39 x 37 x 12⅝		$52^{15}/_{16}$ x $35^{7}/_{16}$ x 12⅝
Operating Range - Cooling	°F DB	23-122		
Cooling Range w/ Air Adjustment Grille	°F DB	0 - 122		
Operating Range - Heating*	°F DB	-4 - 60		

* Available on Heat Pump models only

Nominal Tons		3.0 Tons	3.5 Tons	4.0 Tons
Indoor Models		FBQ36TBVJU	FBQ42TBVJU	FBQ48TBVJU
Outdoor Models Cooling Only		RZR36TBVJUA/B	RZR42TBVJUA/B	RZR48TBVJUA/B
Outdoor Models Heat Pump		RZQ36TBVJUA/B	RZQ42TBVJUA/B	RZQ48TBVJUA/B
Cooling Capacity (Rated)	BTU/h	35000	40000	46500
Heating Capacity (Rated)*	BTU/h	40,000	47,000	54,000
SEER2		16.9	15.6	15.3
EER2		11.7	19.3	8.3
HSPF2*		8.8	9.5	9.3
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 ⅜		
Gas Piping Connections (O.D.)	in.	Ø ⅝		
Condensate Drain	in.	Ø 1		
Max. Piping Length	ft.	229.6		
Max. Piping Height	ft.	98.4		
Indoor Dimensions (H x W x D)	in.	$9^{13}/_{16}$ x 55⅛ x 31½		
Outdoor Dimensions (H x W x D)	in.	$52^{15}/_{16}$ x $35^{7}/_{16}$ x 12⅝		
Operating Range - Cooling	°F DB	23-122		
Cooling Range w/ Air Adjustment Grille	°F DB	0 - 122		
Operating Range - Heating*	°F DB	-4 - 60		

* Available on Heat Pump models only

FCQ series Specs

***Round Flow* Sensing Ceiling Cassette Heat Pump or Cooling Only**

Nominal Tons		**1.5 Tons**	**2.0 Tons**
Indoor Models		**FCQ18AAVJU**	**FCQ24AAVJU**
Outdoor Models Cooling Only		**RZR18TBVJUA/B**	**RZR24TBVJUA/B**
Outdoor Models Heat Pump		**RZQ18TBVJUA/B**	**RZQ24TBVJUA/B**
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Heating Capacity (Rated)*	BTU/h	20,000	27,000
SEER 2		18.5	18.6
EER2		13.0	12.0
HSPF2*		9.1	
Power Supply		208/230V/1 Ph	
Liquid Piping Connections (O.D.)	in.	Ø ⅜	
Gas Piping Connections (O.D.)	in.	Ø ⅝	
Condensate Drain	in.	Ø 1	
Max. Piping Length	ft.	164.0	
Max. Piping Height	ft.	98.4	
Indoor Dimensions (H x W x D)	in.	$9^{11}/_{16}$ x $33^{1}/_{16}$ x $33^{1}/_{16}$	
Outdoor Dimensions (H x W x D)	in.	39 x 37 x $12^{5}/_{8}$	
Operating Range - Cooling	°F DB	23 - 122	
Cooling Range w/ Air Adjustment Grille	°F DB	0 - 122	
Operating Range - Heating*	°F DB	-4 - 60	

* Available on Heat Pump models only

Shown with decoration panel BYCQ54EEFU

2.5 Tons	3.0 Tons	3.5 Tons	4.0
FCQ30AAVJU	FCQ36AAVJU	FCQ42AAVJU	FCQ48AAVJU
RZR30TBVJUA/B	RZR36TBVJUA/B	RZR42TBVJUA/B	RZR48TBVJUA/B
RZQ30TBVJUA/B	RZQ36TBVJUA/B	RZQ42TBVJUA/B	RZQ48TBVJUA/B
30,000	36,000	42,000	48,000
34,000	40,000	47,000	54,000
21	20	18.9	18
13	12.1	10.3	8.2
10.1	10	10.2	10.3
208/230V/1 Ph			
Ø ⅜			
Ø ⅝			
Ø 1			
229.6			
98.4			
11 11/32 x 33 1/16 x 33 1/16			
52 15/16 x 35 7/16 x 12 5/8			
23 - 122			
0 - 122			
-4 - 60			

FTQ series Specs

Inverter Ducted Heat Pump or Cooling Only

Nominal Tons		**1.5 Tons**	**2.0 Tons**
Indoor Models		**FTQ18TBVJUD/A**	**FTQ24TBVJUD/A**
Outdoor Models Cooling Only		**RZR18TBVJUA/B**	**RZR24TBVJUA/B**
Outdoor Models Heat Pump		**RZQ18TBVJUA/B**	**RZQ24TBVJUA/B**
Cooling Capacity (Rated)	BTU/h	18,000	24,000
Heating Capacity (Rated)*	BTU/h	20,000	27,000
SEER2		15.6	16.2
EER2		11.7	9.9
HSPF2*		8.1	8.7
Power Supply		208/230V/1 Ph	
External Static Pressure	in. Wg	Up to 0.90	
Liquid Piping Connections (O.D.)	in.	Ø ⅜	
Gas Piping Connections (O.D.)	ft.	Ø ⅝	
Condensate Drain	in.	Ø ¾	
Max. Piping Length	ft.	164.0	
Max. Piping Height	ft.	98.4	
Indoor Dimensions (H x W x D)	in.	45 x 17½ x 21	
Outdoor Dimensions (H x W x D)	in.	39 x 37 x 12⅝	
Operating Range - Cooling	°F DB	23 - 122	
Cooling Range w/ Air Adjustment Grille	°F DB	0 - 122	
Operating Range - Heating*	°F WB	-4 – 60	

* Available on Heat Pump models only

2.5 Tons	3.0 Tons	3.5 Tons	4 Tons
FTQ30TBVJUD/A	FTQ36TBVJUD/A	FTQ42TBVJUD/A	FTQ48TBVJUD/A
RZR30TBVJUA/B	RZR36TBVJUA/B	RZR42TBVJUA/B	RZR48TBVJUA/B
RZQ30TBVJUA/B	RZQ36TBVJUA/B	RZQ42TBVJUA/B	RZQ48TBVJUA/B
30,000	36,000	42,000	48,000
34,000	40,000	47,000	54,000
15.6	16.4	16	15.3
11.9	112	10.3	9.1
9.1	8.8	9.2	8.8
208/230V/1 Ph			
Up to 0.90			
Ø ⅜			
Ø ⅝			
Ø ¾			
229.6			
98.4			
45 x 17½ x 21		53¼ x 21 x 21	
52-15/16 x 35 7/16 x 12⅝			
23 - 122			
0 - 122			
-4 – 60			

Accessories

Item #	Item Description
	Controller Options
DTST-ONE-ADA-A	Daikin ***One***+ Smart Thermostat
DTST-TOU-ADA-A	Daikin ***One*** Touch Thermostat
DTST-LTE-LA-A	Daikin ***One*** Lite Thermostat
AZAI6WSCDKB	S21 DKN Cloud Wi-Fi Adaptor
AZAI6WSPDKC	DKN Plus Interface
BACRC-T-P01	ATC with Temperature Sensor
BACRC-TH-P01	ATC with Temperature/Humidity Sensor
BACRC-THO-P01	ATC with Temperature/Humidity/Occupancy Sensor
BACRC-THOC-P01	ATC with Temperature/Humidity/Occupancy/CO_2 Sensor
KRCSH2018-01	Button Sensor Kit
BRC4C82, BRC7E83, BRC7E818, BRC082A_	Wireless Remote Control Kit
BRC944B2	Wired Remote Controller
BRCW901A03	Wired Controller Cord - 10 ft.
BRP072A43	Wi-Fi Adaptor
DACA-BRCW901P10	Remote Controller Cable, Plenum Rated, 10 ft.
DACA-BRCW901P25	Remote Controller Cable, Plenum Rated, 25 ft.
KRP067A41E	Interface Adaptor for BRC944B2 (Required for FTX/K09/12NMVJU)
KRP980B2E	Interface Adaptor for BRC944B2 (Required for FTX/K15/18/24NMVJU)
AZAI6WSCDKA	DKN Cloud Wi-Fi Adaptor
BRC1E73	***Navigation*** Remote Controller
BRC2A71	Simplified Wired Controller
BRC1H71W	***Madoka*** Wired Controller
KRCS01-4B	Remote Sensor Kit, 4-pin
	Drain Pan Heaters
KEHO67A41E(A)	Heater for sizes 09 & 12
KEH063A4EA	Heater for sizes 15, 18, 24, & 2-, 3-, & 4-Port Multi-Split Systems (incl. RX_BXVJU)
KEH063A4E	Heater for sizes 15, 18, 24, & 2-, 3-, & 4-Port Multi-Split Systems (excl. RX_BXVJU)
KEH082A41(A)	Heater for 4MXL and 5MXS
KEHJ5A160E	Heater for RZQ18-48TAVJU
	Filter Replacements
KAF918A44	Air-purifying filter without frame
KAF952B42	Air-purifying filter without frame
KAF974B42S	Air-purifying filter
KAF970A45	Air-purifying filter (Daikin *OTERRA*)
KAF970A46	Air-purifying filter (Daikin *OTERRA*)
KAF968B42	Air-purifying filter (FVXS floor-standing model)
	Mini-Split Pads - Plastic Pad
EL1838-3	Elite Plastic Pad 18 x 38 x 3
EL2436-3	Elite Plastic Pad 24 x 36 x 3
	Mini-Split Pads - Ultralite - Concrete Based Pad
UC1636-2	Ultralite Pad 16 x 36 x 2
UC2436-2	Ultralite Pad 24 x 36 x 2
UC2436-3	Ultralite Pad 16 x 36 x 3
UC2436-3	Ultralite Pad 24 x 36 x 3
	Mini-Split Pads - Florida Market
H1840-4	N FL Hurricane Pad 18 x 40 x 4 - 150 MPH Zone
H2436-4	N FL Hurricane Pad 24 x 36 x 4 - 150 MPH Zone
HT1840-4	S FL Hurricane Pad 18 x 40 x 4 - 175 MPH Zone
HT2436-4	S FL Hurricane Pad 24 x 36 x 4 - 175 MPH Zone

Accessories (continued)

Item #	Item Description
	Optional Air Adjustment Grille
KPW937F4	RX09-12 / RK09-12 RK09-12 / RXL09-12
KPW063B4	RX15-36WMVJU9 / RK18-36WMVJU9
KPW063B4E	RX18-24BXVJU / RK18-24BXVJU
KPW937C4	RXSO9-12
KPW945B4	RXS15-24
KPW5F80	RZR18-42TBVJUA RZQ18-42TBVJUA (2 grilles are required for use with sizes 36, 42 and RZQ30TBVJUA) RZR30-48TBVJUA, RZQ30-48TBVJUA (2 grilles required)
KPW082A41	4MXL / 5MXS
KPW5G112	RZR18-24TBVJUA, RZQ18-24TBVJUA
	Ultra Low Ambient Cooling Kit
KEHC082A42	RKS36
KEHC082A41	RKS30
	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
VRVQA-SH-SF	Snow hood kit for RZR/RZQ18-24TBVJUA
VRVQA-SH-DF	Snow hood kit for RZR/RZQ30-48TAVJU
	Snow Visors
KPS00344	Snow visor for RZR/RZQ18-48TAVJU
	Wall-Mount Brackets
DACA-WB-4	Wall Condenser Bracket, Powder coat, 300 lb. Capacity (WBB300 - 87738)
DACA-WB-3	Wall Condenser Bracket, Powder coat, 500 lb. Capacity (WBB500 - 87735)
DACA-WB-2	Wall Brackets Kit w/o Bar - 23⅜ X 16½ - 330 lb. cap — SAU
DACA-WB-1	Adj Wall Bracket w/Support Bar - 17¾ X 16½ X 31½ — 242 lb. cap - SAU
	Installation Tools
DACA-FSG-1	Flare Size Gauge
DACA-RBTC-1	Replacement Tubing Cutter Blade
TLTWSM	Torque Wrench Kit w/Lever (METRIC) (Replaces all DACA-TQW series INDIV torque wrenches)
TLTWSAE	Torque Wrench Kit w/Lever: SAE
TLB410AD	Daikin Custom Tool Kit: 22Pcs + Tool Bag
MT2H7P5	R410a Gauges w/ball valve (Replaces - DACA-R410GS-1)
FT800FN	Flaring Tool: Clutch Type Eccentric (Replaces - DACA-CFK-1)
TLDB	Deburring Tool (Replaces DACA-DT-1)
TCT274	HD Tubing Cutter: ⅛ to 1⅜ (Replaces DACA-TC-1)
AD87	Straight Adaptor: $^{5}/_{16}$ flare to a ¼ flare (Replaces - DACA-SVA-1)
AD87S	Angled Adaptor: 55deg $^{5}/_{16}$ flare to ¼ flare (Replaces DACA-SVA-1)
TLVCS410	Valve Core Remover / Installer Tool w/Side Port
LSFNUT14	Lineset 45Deg Flare Nut: ¼; Pkg 10
LSFNUT38	Lineset 45Deg Flare Nut: ⅜; Pkg 10
LSFNUT12	Lineset 45Deg Flare Nut: ½; Pkg 10
LSFNUT58	Lineset 45Deg Flare Nut: ⅝; Pkg 10

Accessories (continued)

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

Accessories (continued)

Line Sets

Model Number	Size (in.)	Length (ft.)	Insulation (in.)
LS14381210DMSF	¼ x ⅜	10	½
LS14381215DMSF	¼ x ⅜	15	½
LS14381230DMSF	¼ x ⅜	30	½
LS14381250DMSF	¼ x ⅜	50	½
LS14381265DMSF	¼ x ⅜	65	½
LS143812100DMSF	¼ x ⅜	100	½
LS14121210DMSF	¼ x ½	10	½
LS14121215DMSF	¼ x ½	15	½
LS14121230DMSF	¼ x ½	30	½
LS14121250DMSF	¼ x ½	50	½
LS14121265DMSF	¼ x ½	65	½
LS141212100DMSF	¼ x ½	100	½
LS14581210DMSF	¼ x ⅝	10	½
LS14581215DMSF	¼ x ⅝	15	½
LS14581230DMSF	¼ x ⅝	30	½
LS14581250DMSF	¼ x ⅝	50	½
LS14581265DMSF	¼ x ⅝	65	½
LS145812100DMSF	¼ x ⅝	100	½

DESIGN & INSTALLATION

Recommended Installation Tools

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

- ☐ Tool Kit : DACA-99STK-2
- ☐ ¼"- ⅝" Torque Wrench*
- ☐ Adjustable Wrenches
- ☐ Charge Hose
- ☐ Deburring Tool*
- ☐ Flare Gauge Set*
- ☐ Flaring Block*
- ☐ Gauge Manifold
- ☐ Nitrogen
- ☐ Phillips Screwdriver
- ☐ Tubing Cutter*
- ☐ Vacuum Pump
- ☐ Micron Gauge

(*included in kit)

Compatibility Matrix

Daikin Single Zone System Compatibility Matrix		Indoor Unit — Single Zone Systems																										
		FTXB09BXVJU	FTXB12BXVJU	FTXB18BXVJU	FTXB24BXVJU	FTXC09AXVJU	FTXC12AXVJU	FTXC18AXVJU	FTXC24AXVJU	FTK09BXVJU	FTK12BXVJU	FTK18BXVJU	FTK24BXVJU	FTKF09AXVJU	FTKF12AXVJU	FTKF18AXVJU	FTKF24AXVJU	FTX09BXVJU	FTX12BXVJU	FTX18BXVJU	FTX24BXVJU	FTXF09AXVJU	FTXF12AXVJU	FTXF18AXVJU	FTXF24AXVJU	FTX09WMVJU9	FTX12WMVJU9
Outdoor Unit — Single Zone Systems	RXB09BXVJU	●																										
	RXB12BXVJU		●																									
	RXB18BXVJU			●																								
	RXB24BXVJU				●																							
	RXC09AXVJU					●																						
	RXC12AXVJU						●																					
	RXC18AXVJU							●																				
	RXC24AXVJU								●																			
	RK09BXVJU									●																		
	RK12BXVJU										●																	
	RK18BXVJU											●																
	RK24BXVJU												●															
	RKF09AXVJU													●														
	RKF12AXVJU														●													
	RKF18AXVJU															●												
	RKF24AXVJU																●											
	RX09BXVJU																	●										
	RX12BXVJU																		●									
	RX18BXVJU																			●								
	RX24BXVJU																				●							
	RXF09AXVJU																					●						
	RXF12AXVJU																						●					
	RXF18AXVJU																							●				
	RXF24AXVJU																								●			
	RXL09WMVJU9																									●		
	RXL12WMVJU9																										●	
	RXL15WMVJU9																											
	RXL18WMVJU9																											
	RXL24WMVJU9																											
	RX09WMVJU9																											
	RX12WMVJU9																											
	RX15WMVJU9																											
	RX18WMVJU9																											
	RX24WMVJU9																											
	RX09WMVJU9																											
	RX12WMVJU9																											
	RX18WMVJU9																											
	RXM09WVJU9																											
	RXM12WVJU9																											
	RXM18WVJU9																											
	RXM24WVJU9																											
	RK30WMVJU9																											
	RX30WMVJU9																											
Sky Air	RK36WMVJU9																											
	RX36WMVJU9																											
	RZQ_TBVJUA/B																											
	RZR_TBVJUA/B																											

Indoor Unit – Single Zone Systems																								SkyAir				
FTX15WMVJU9	FTX18WVJU9	FTX24WVJU9	FVXS09WVJU9	FVXS12WVJU9	FVXS15WVJU9	FDMQ09WVJU9	FDMQ12WVJU9	FDMQ15WVJU9	FDMQ18WVJU9	FDMQ24WVJU9	FFQ09W2VJU9/8	FFQ12W2VJU9/8	FFQ15W2VJU9/8	FFQ18W2VJU9/8	FTXR09WVJUW/S9	FTXR12WVJUW/S9	FTXR18WVJUW/S9	FTXM09WVJU9	FTXM12WVJU9	FTXM18WVJU9	FTXM24WVJU9	FTX30WVJU9	FTX36WVJU9	FBQ_TBVJU	FHQ_PVJU	FAQ_TAVJU	FCQ_AAVJU	FTQ_TBVJUD/A
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DESIGN & INSTALLATION

Compatibility Matrix

Daikin Multi-Zone System Compatibility Matrix		Outdoor Unit										
		CIRRA	2MXS18WMVJU9	2MXL18WMVJU9	2MXLH18WMVJU9	3MXS24WMVJU9	3MXL24WMVJU9	3MXLH24WMVJU9	4MXS36WMVJU9	4MXL36WVJU9	4MXLH36WVJU9	5MXS48WVJU9
Wall Mounted	CTX07AXVJU	•										
	CTX09AXVJU	•										
	CTX12AXVJU	•										
	FTXR09WVJUW/S9		•	•	•	•	•	•	•	•	•	•
	FTXR12WVJUW/S9		•	•	•	•	•	•	•	•	•	•
	FTXR18WVJUW/S9					•	•	•	•	•	•	•
	FTXS09WVJU9		•	•	•	•	•	•	•	•	•	•
	FTXS12WVJU9		•	•	•	•	•	•	•	•	•	•
	FTXS15WVJU9		•	•	•	•	•	•	•	•	•	•
	FTXS18WVJU9					•	•	•	•	•	•	•
	FTXS24WVJU9								•	•	•	•
Floor Standing	FVXS09WVJU9		•	•	•	•	•	•	•	•	•	•
	FVXS12WVJU9		•	•	•	•	•	•	•	•	•	•
	FVXS15WVJU9		•	•	•	•	•	•	•	•	•	•
	FVXS18WVJU9					•	•	•	•	•	•	•
FDMQ Ducted Concealed	CDMQ07WVJU9		•	•	•	•	•	•	•	•	•	•
	FDMQ09WVJU9		•	•	•	•	•	•	•	•	•	•
	FDMQ12WVJU9		•	•	•	•	•	•	•	•	•	•
	FDMQ15WVJU9		•	•	•	•	•	•	•	•	•	•
	FDMQ18WVJU9					•	•	•	•	•	•	•
	FDMQ24WVJU9								•	•	•	•
2X2 Cassette	FFQ09W2VJU9/8		•	•	•	•	•	•	•	•	•	•
	FFQ12W2VJU9/8		•	•	•	•	•	•	•	•	•	•
	FFQ15W2VJU9/8		•	•	•	•	•	•	•	•	•	•
	FFQ18W2VJU9/8					•	•	•	•	•	•	•

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 capacity that can be connected to this unit:

2MX18* – Up to 24,000 Btu/h

2MXL18* – Up to 24,000 Btu/h

2MXS18* – Up to 24,000 Btu/h

2MXLH18* – Up to 24000 Btu/h

3MXL24* – Up to 39,000 Btu/h

3MXLH24* – Up to 39,000 Btu/h

3MXS24* – Up to 39,000 Btu/h

4MXL36* – Up to 48,000 Btu/h

4MXLH36* – Up to 48,000 Btu/h

4MXS36* – Up to 48,000 Btu/h

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

Port	2MX*18*	3MX*24*	4MX*36*
A	07, 09, 12	07, 09, 12	07, 09, 12
B	# # # 07 09 12 15	# # # 07 09 12 15 18	# # # 07 09 12 15 18
C		# # # 07 09 12 15 18	# # # 07 09 12 15 18
D			▲ ▲ ▲ ■ ■ 07 09 12 15 18 24
E			

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

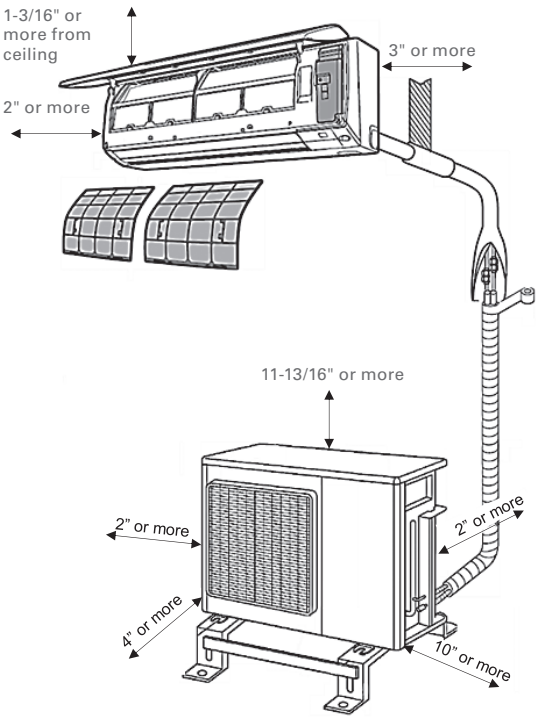
Controls Compatibility Matrix

		Included Controls								Optional Controls													
		ARC480A8	ARC452A21	ARC466A21	ARC466A37	BRC7E818	BRC082A43	BRC4C82	BRC52B63	BRC52B64	BRC51D61	DTST-ONE-ADA-A DTST-TOU-ADA-A	DTST-LITE-LA-A	AZAI6WSCDKB	BRC1E73	BRC1H71W	BRC944B2	AZAI6WSCDKA	BRC082A42W	AZAI6WSPDKC
Single and Multi-Zone Systems	FTXB_AXVJU								•		•	•	•	•	•								
	FTKB_AXVJU									•	•	•	•	•	•								
	CTX_AXVJU								•		•	•	•	•	•								
	FTX_AXVJU								•		•	•	•	•	•								
	FTK_AXVJU									•	•	•	•	•	•								
	FTX_WMVJU9								•		•	•	•	•	•								
	FTK_WMVJU9		•									•	•	•	•	•		•					
	FTX_WVJU9			•								•	•										
	FDXS_WVJU9											•	•	•	•			•					
	FDMQ_WVJU9						•					•	•			•	•		•				
	FVXS_WVJU9											•	•			•	•		•	•			
	FFQ_W2VJU8/9	•										•	•	•				•					
	FTXR_WVJU(W/S)9				•							•	•	•				•					
	CTXS_WVJU9			•								•	•	•				•					
	CDXS_LVJU											•	•	•				•					•
Skyair Systems	FBQ_TBVJU											•	•			•	•						
	FHQ_P(M)VJU					•						•	•			•	•						
	FAQ_TAVJU						•					•	•			•	•						
	FCQ_AAVJU							•				•	•			•	•						
	FTQ_TBVJUD/A							•				•	•			•	•						

† Requires adaptor: KRP067A41E for sizes 09/12. KRP980B2E for sizes 15/18/24.
*With Limitations. See submittal for more details

System Clearances

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



System Clearances

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

FDMQ Ducted Concealed

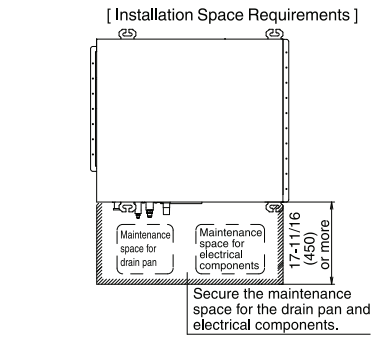


Fig. 1 unit: inch (mm)

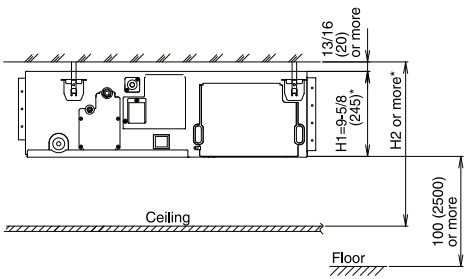


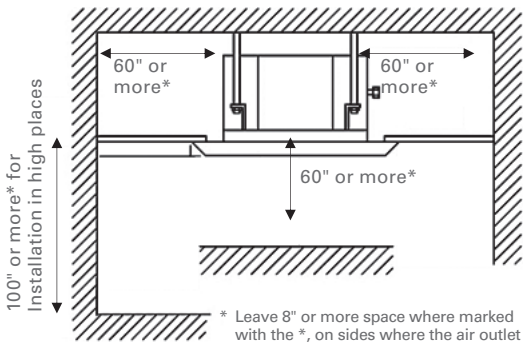
Fig. 2 unit: inch (mm)

- * Dimension H1 indicates the product height.
- * Secure a downward slope of at least 1/100 specified in **7. DRAIN PIPING WORK** and determine dimension H2.

System Clearances

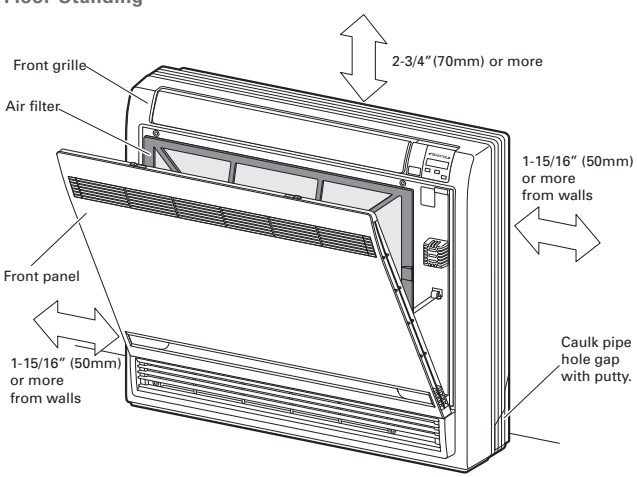
Indoor Units

Daikin *VISTA* series Ceiling Cassette



* Leave 8" or more space where marked with the *, on sides where the air outlet is closed

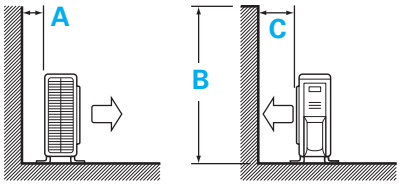
Floor-Standing



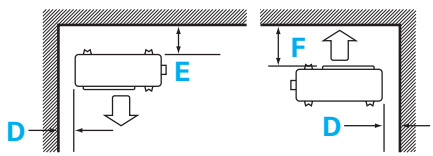
System Clearances

Outdoor Units

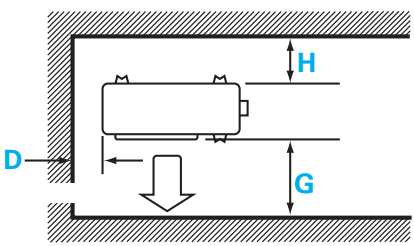
Side View (Single Obstruction)



Top View (Two Obstructions)



Top View (Three Obstructions)

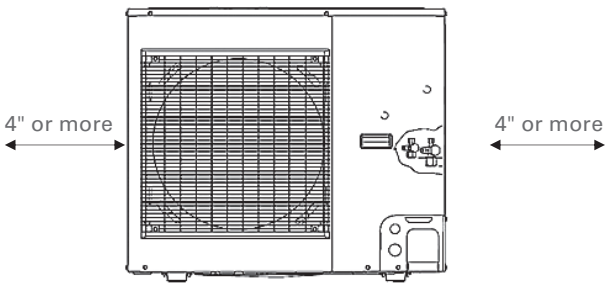


MODEL	A	B	C	D	E	F	G	H
RXB09/12 BXVJU, RXC09/12AXVJU, RK09/12 BXVJU, RKF09/12AXVJU, RX09/12BXVJU, RXF09/12AXVJU, RXF09/12AXVJU, RXL09/12WMVJU9, RX09/12WMVJU9, 2MX18AXVJU	>1 15/16	<47¼	>3 15/16	>1 15/16	>3 15/16	>5 7/8	>11 13/16	>5 7/8*
RXB18/24BXVJU,RXC18/24AXVJU, RK18/24BXVJU, RKF18/24AXVJU, RX18/24BXVJU, RXF18/24AXVJU, RXL15/18/24WMVJU9, RX15/18/24WMVJU9, RXM12/18/24WVJU9,RK(X)30/36WMVJU9, RK(X)30/36WMVJU	>3 15/16	<47¼	>13¾	>1 15/16	>3 15/16	>13¾	>13¾	>3 15/16
2,3,4 & 5MXS, 2,3 & 4MXL, 2,3 &4 MXLH	>3 15/16	<47 3/16	>13¾	>1 15/16	>3 15/16	>13¾	>13¾	>3 15/16

System Clearances

Outdoor Units – RZR/RZQ

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

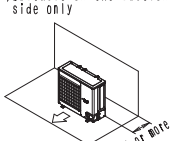


INSTALLATION SERVICE SPACE

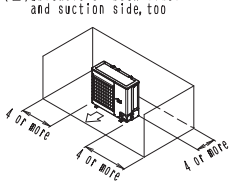
STAND-ALONE INSTALLATION (The measure of these values is "in".)

No obstacle above

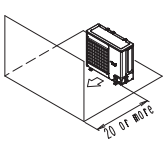
(1)Obstacle on the suction side only



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

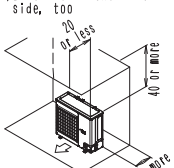


(3)Obstacle on the discharge side only

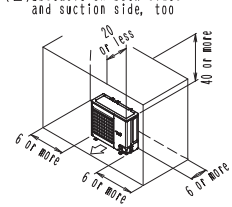


Obstacle above, too

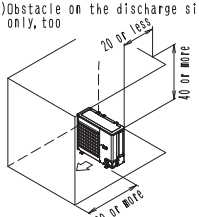
(1)Obstacle on the suction side, too



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



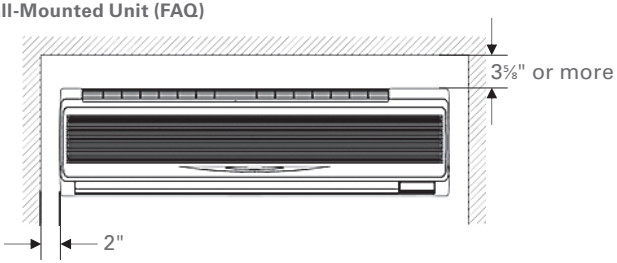
(3)Obstacle on the discharge side only, too



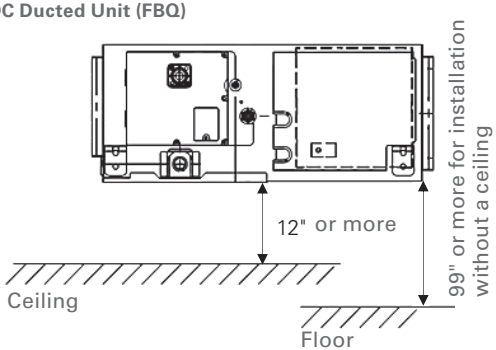
System Clearances

Indoor Units

Wall-Mounted Unit (FAQ)



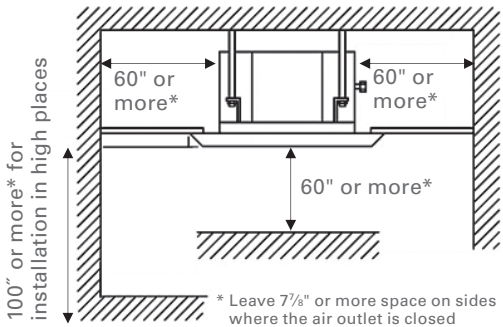
DC Ducted Unit (FBQ)



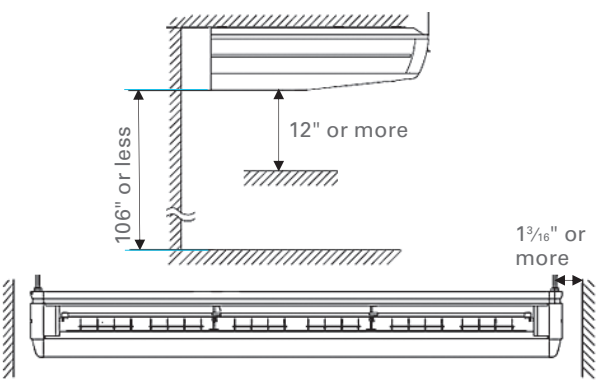
System Clearances

Indoor Units

3'X 3' Ceiling Cassette (FCQ)



Ceiling Suspended (FHQ)

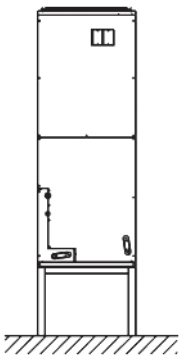


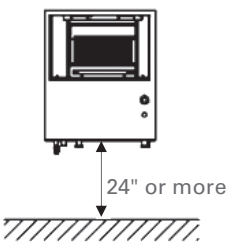
System Clearances

Indoor Units

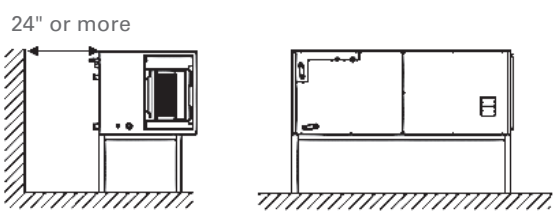
Inverter Ducted (FTQ)

Vertical Installation





Horizontal Installation



Electrical Requirements

Indoor Unit	Outdoor Unit	Minimum Circuit (A)	Max. Overcurrent Protection (A)
Daikin *ENTRA* with R-410 Refrigerant			
FTXB09BXVJU	RXB09BXVJU	12.35	15
FTXB12BXVJU	RXB12BXVJU	12.4	15
FTXB18BXVJU	RXB18BXVJU	16.55	20
FTXB24BXVJU	RXB24BXVJU	16.55	20
Daikin *ENTRA* with R-32 Refrigerant			
FTXC09AXVJU	RXC09AXVJU	9.3	15
FTXC12AXVJU	RXC12AXVJU	9.36	15
FTXC18AXVJU	RXC18AXVJU	16.34	20
FTXC24AXVJU	RXC24AXVJU	16.34	20
Daikin *OTERRA* with R-410A Refrigerant			
FTX09BXVJU	RX09BXVJU	12.35	15
FTX12BXVJU	RX12BXVJU	12.4	15
FTX18BXVJU	RX18BXVJU	13.55	20
FTX24BXVJU	RX24BXVJU	13.55	20
FTK09BXVJU	RK09BXVJU	12.35	15
FTK12BXVJU	RK12BXVJU	12.4	15
FTK18BXVJU	RK18BXVJU	13.55	20
FTK24BXVJU	RK24BXVJU	13.55	20
Daikin *OTERRA* with R-32 Refrigerant			
FTKF09AXVJU	RKF09AXVJU	9.1	15
FTKF12AXVJU	RKF12AXVJU	9.15	15
FTKF18AXVJU	RKF18AXVJU	14.23	20
FTKF24AXVJU	RKF24AXVJU	14.23	20
FTXF09AXVJU	RXF09AXVJU	9.3	15
FTXF12AXVJU	RXF12AXVJU	9.36	15
FTXF18AXVJU	RXF18AXVJU	16.34	20
FTXF24AXVJU	RXF24AXVJU	16.34	20
Daikin *EMURA* Single Zone Series			
FTXR09WVJUW/S9	RX09WMVJU9	7.6	15
FTXR12WVJUW/S9	RX12WMVJU9	7.7	15
FTXR18WVJUW/S9	RX18WMVJU9	11	15
Ducted Single Zone Series			
FDMQ09WVJU9	RX09WMVJU9	8	15
FDMQ12WVJU9	RX12WMVJU9	8.1	15
FDMQ15WVJU9	RX15WMVJU9	8.6	15
FDMQ18WVJU9	RX18WMVJU9	11.6	15
FDMQ24WVJU9	RX24WMVJU9	13.1	20
FDXS12LVJU	RXS12LVJU	8.8	15
Daikin *VISTA* Single Zone Series			
FFQ09W2VJU9/8	RX09WMVJU9	7.8	15
FFQ12W2VJU9/8	RX12WMVJU9	7.8	15
FFQ15W2VJU9/8	RX15WMVJU9	8.3	15
FFQ18W2VJU9/8	RX18WMVJU9	11	15

Electrical Requirements (cont.)

Indoor Unit	Outdoor Unit	Minimum Circuit (A)	Max. Overcurrent Protection (A)
Daikin *AURORA* Wall Mounted Single Zone Series			
FTX09WMVJU9	RXL09WMVJU9	8.7	15
FTX12WMVJU9	RXL12WMVJU9	12.2	15
FTX15WMVJU9	RXL15WMVJU9	12.2	15
FTX18WVJU9	RXL18WMVJU9	18.6	20
FTX24WVJU9	RXL24WMVJU9	18.8	20
Daikin *AURORA* Floor Standing Single Zone Series			
FVXS09WVJU9	RXL09WMVJU9	8.7	15
FVXS12WVJU9	RXL12WMVJU9	12.2	15
FVXS15WVJU9	RXL15WMVJU9	12.3	15
Daikin *AURORA* Ducted Single Zone Series			
FDMQ12WVJU9	RXL12WMVJU9	12.6	15
FDMQ18WVJU9	RXL18WMVJU9	19.1	20
FDMQ24WVJU9	RXL24WMVJU9	19.3	20
Daikin *POLARA* Single Zone Series			
FTX30WVJU9	RK30WMVJU9	16.6	20
FTX36WVJU9	RK36WMVJU9	16.6	20
FTX30WVJU9	RX30WMVJU9	18.6	20
FTX36WVJU9	RX36WMVJU9	18.6	20
Daikin *ATMOSPHERA* Single Zone Series			
FTXM09WVJU9	RXM09WVJU9	12.3	15
FTXM12WVJU9	RXM12WVJU9	12.3	15
FTXM18WVJU9	RXM18WVJU9	18.8	20
FTXM24WVJU9	RXM24WVJU9	19.8	20
Multi-Zone Systems			
FTX09BXVJU	2MXS18WMVJU9	15.5	20
FTX12BXVJU	2MXL18WMVJU9	17	20
FTX18BXVJU	2MXLH18WMVJU9	17	20
FTX24BXVJU	3MXS24WMVJU9	18.1	25
FTK09BXVJU	3MXL24WMVJU9	20.1	25
FTK12BXVJU	3MXLH24WMVJU9	20.1	25
FTK18BXVJU	4MXS36WMVJU9	20.9	25
FTK24BXVJU	4MXL36WVJU9	30.2	35
FTKF09AXVJU	4MXLH36WVJU9	30.2	35
FTKF12AXVJU	5MXS48WVJU9	30.8	35

Electrical Requirements (cont.)

Outdoor Unit			
Heat Pump	Cooling Only	MCA (A)	MOCP (A)
RZQ18TBVJUA/B	RZR18TBVJUA/B	16.5	20
RZQ24TBVJUA/B	RZR24TBVJUA/B	16.5	20
RZQ30TBVJUA/B	RZR30TBVJUA/B	29.1	35
RZQ36TBVJUA/B	RZR36TBVJUA/B	29.1	35
RZQ42TBVJUA/B	RZR42TBVJUA/B	29.1	35
RZQ48TBVJUA/B	RZR48TBVJUA/B	29.1	35

Indoor Unit		
Model Number	MCA (A)	MOCP (A)
FCQ18AAVJU	0.5	15
FCQ24AAVJU	0.5	15
FCQ30AAVJU	1	15
FCQ36AAVJU	1.6	15
FCQ42AAVJU	1.6	15
FCQ48AAVJU	1.6	15
FAQ18TAVJU	0.5	15
FAQ24TAVJU	0.6	15
FBQ18TBVJU	1.9	15
FBQ24TBVJU	1.9	15
FBQ30TBVJU	3	15
FBQ36TBVJU	3.1	15
FBQ42TBVJU	3.6	15
FBQ48TBVJU	3.6	15
FTQ18TBVJUD/A	4.9	15
FTQ24TBVJUD/A	4.9	15
FTQ30TBVJUD/A	4.9	15
FTQ36TBVJUD/A	4.9	15
FTQ42TBVJUD/A	6.5	15
FTQ48TBVJUD/A	6.5	15

Wiring

⚠WARNING – HIGH VOLTAGE

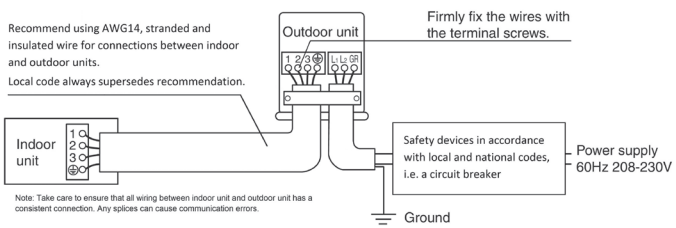
DISCONNECT ALL POWER BEFORE SERVICING. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

Single Zone Split Systems (RK, RX, RXL, RXS, RKB, RXB, RXM*, RXC, RKF and RXF)

Wiring Procedure

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

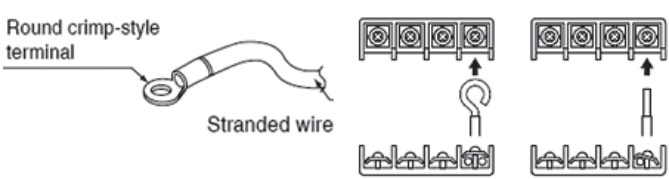
1. Strip the insulation from the wire (3/4 inch (20mm).
2. Connect the connection wires between the indoor and outdoor units so that the terminal numbers match. Tighten the terminal screws securely. We recommend a flathead screwdriver be used.



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.



* Use AWG 14 for 9 and 12K models; use AWG 12 for 18 and 24K models.

Wiring (cont.)

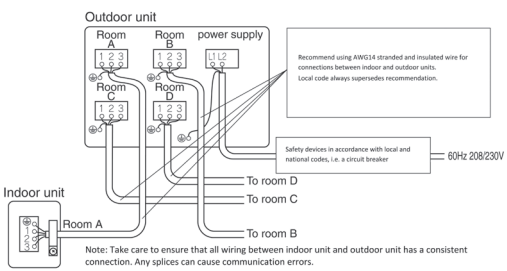
⚠WARNING – HIGH VOLTAGE

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, 4MXL, 4MXS, 5MXS, 2MX18)

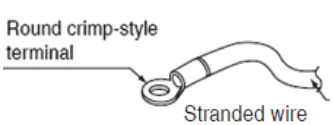
Wiring Procedure

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

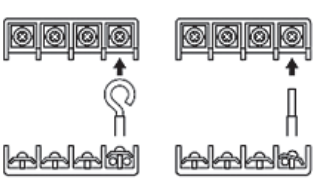


When using stranded wires make sure to install the round crimp-style terminals on the tip.

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



Perform curling when using a single core wire.



Stripping wire at terminal block

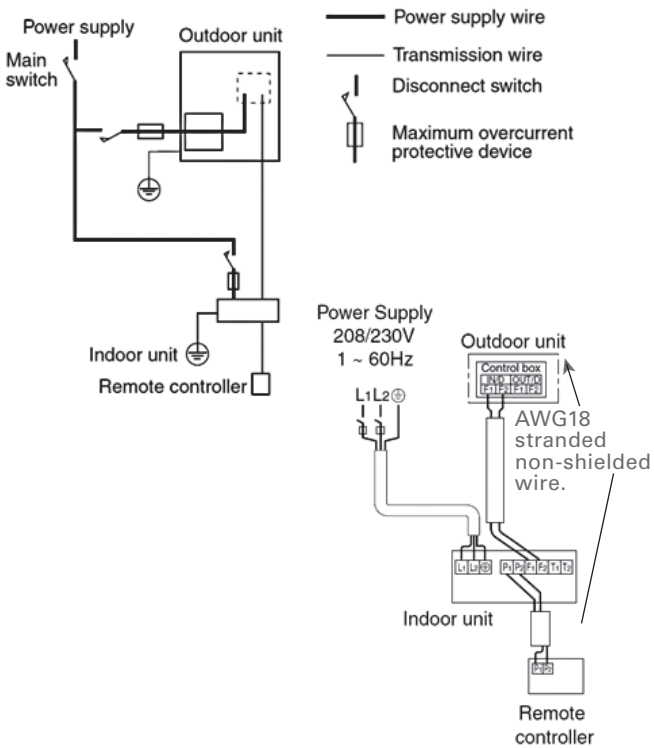
Wiring (cont.)

⚠WARNING – HIGH VOLTAGE

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

SkyAir RZQ, RZR Systems

Complete System Example



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

Piping Lengths

Outdoor Unit	Min Length (ft.)	Max Length (ft.)	Max Height (ft.)	Chargeless* (ft.)
Daikin *ENTRA*				
9 & 12 MBH	9.84	65.6	32.8	25
18 & 24 MBH	9.84	98.4	32.8	25
Daikin *OTERRA*, Daikin *EMURA* Single Zone series, Daikin *AURORA* Single Zone series, FDMQ, Daikin *VISTA* Single Zone series, Daikin *POLARA*				
9 & 12 MBH	10	65.6	49.2	32.8
15, 18, 24, 30, 36 MBH	10	98.4	65.6	32.8
Daikin *ATMOSPHERA*				
09 & 12 MBH	10	82	65.625	49.2
18 & 24 MBH	10	98.4	82	49.2

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

Multi-Zone MXS series and Daikin *AURORA* series				
2MX18AXVJU	10	98.4	49.2	98.4
2MXL18WMVJU9	10	164.0	49.2	98.4
2MXS18WMVJU9	10	164.0	49.2	98.4
3MXL24WMVJU9	10	229.6	49.2	131.6
3MXS24WMVJU9	10	229.6	49.2	131.6
4MXL36WVJU9	10	229.6	49.2	131.6
4MXS36WMVJU	10	229.6	49.2	131.6
5MXS48WVJU9	10	262	49.2	131.6
2MXLH18WMVJU9	10	229.6	49.2	131.6
3MXLH24WMVJU9	10	262	49.2	131.6
4MXLH36WVJU9	10	229.6	49.2	131.6

Additional refrigerant required for refrigerant pipe exceeding the chargeless amount listed above. Charge additional refrigerant at **0.22 oz/ft.**

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

Piping Lengths (cont.)

Indoor Unit	Max Length (ft.)	Max Height (ft.)	Chargeless (ft)**	FTQ Additional Charge (lbs.)*
FAQ, FBQ, FCQ, FHQ, FTQ & RZQ_RZR_TBVJUA/B				
18 MBH	164	98.4	15	0.1
24 MBH	164	98.4	15	0.1
30 MBH	230	98.4	15	0.71
36 MBH	230	98.4	15	0.71
42 MBH	230	98.4	15	1.05
48 MBH	230	98.4	15	1.05

Charge additional refrigerant at **liquid piping length (ft) x 0.036**

* Add additional charge for FTQ regardless of piping length

** 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)
Daikin *ENTRA* with R-410 Refrigerant			
FTXB09BXVJU	RXB09BXVJU	Ø ¼	Ø ⅜
FTXB12BXVJU	RXB12BXVJU	Ø ¼	Ø ⅜
FTXB18BXVJU	RXB18BXVJU	Ø ¼	Ø ½
FTXB24BXVJU	RXB24BXVJU	Ø ¼	Ø ⅝
Daikin *ENTRA* with R-32 Refrigerant			
FTXC09AXVJU	RXC09AXVJU	Ø ¼	Ø ⅜
FTXC12AXVJU	RXC12AXVJU	Ø ¼	Ø ⅜
FTXC18AXVJU	RXC18AXVJU	Ø ¼	Ø ½
FTXC24AXVJU	RXC24AXVJU	Ø ¼	Ø ⅝
Daikin *OTERRA* with R-410A refrigerant			
FTX09BXVJU	RX09BXVJU	Ø ¼	Ø ⅜
FTX12BXVJU	RX12BXVJU	Ø ¼	Ø ⅜
FTX18BXVJU	RX18BXVJU	Ø ¼	Ø ½
FTX24BXVJU	RX24BXVJU	Ø ¼	Ø ⅝
FTK09BXVJU	RK09BXVJU	Ø ¼	Ø ⅜
FTK12BXVJU	RK12BXVJU	Ø ¼	Ø ⅜
FTK18BXVJU	RK18BXVJU	Ø ¼	Ø ½
FTK24BXVJU	RK24BXVJU	Ø ¼	Ø ⅝
Daikin *OTERRA* with R-32 refrigerant			
FTKF09AXVJU	RKF09AXVJU	9.1	15
FTKF12AXVJU	RKF12AXVJU	9.15	15
FTKF18AXVJU	RKF18AXVJU	14.23	20
FTKF24AXVJU	RKF24AXVJU	14.23	20
FTXF09AXVJU	RXF09AXVJU	9.3	15
FTXF12AXVJU	RXF12AXVJU	9.36	15
FTXF18AXVJU	RXF18AXVJU	16.34	20
FTXF24AXVJU	RXF24AXVJU	16.34	20
Daikin *EMURA* Single Zone Series			
FTXR09WVJUW/S9	RX09WMVJU9	Ø ¼	Ø ⅜
FTXR12WVJUW/S9	RX12WMVJU9	Ø ¼	Ø ⅜
FTXR18WVJUW/S9	RX18WMVJU9	Ø ¼	Ø ½
Ducted Single Zone Series			
FDMQ09WVJU9	RX09WMVJU9	Ø ¼	Ø ⅜
FDMQ12WVJU9	RX12WMVJU9	Ø ¼	Ø ⅜
FDMQ15WVJU9	RX15WMVJU9	Ø ¼	Ø ½
FDMQ18WVJU9	RX18WMVJU9	Ø ¼	Ø ½
FDMQ24WVJU9	RX24WMVJU9	Ø ¼	Ø ⅝
Daikin *VISTA* Single Zone Series			
FFQ09W2VJU9/8	RX09WMVJU9	Ø ¼	Ø ⅜
FFQ12W2VJU9/8	RX12WMVJU9	Ø ¼	Ø ⅜
FFQ15W2VJU9/8	RX15WMVJU9	Ø ¼	Ø ½
FFQ18W2VJU9/8	RX18WMVJU9	Ø ¼	Ø ½

Piping Sizes (Cont.)

Indoor Unit	Outdoor Unit	Liquid (in)	Gas (in)
Daikin *Aurora* Wall Mounted Single Zone Series			
FTX09WMVJU9	RXL09WMVJU9	Ø ¼	Ø ⅜
FTX12WMVJU9	RXL12WMVJU9	Ø ¼	Ø ⅜
FTX15WMVJU9	RXL15WMVJU9	Ø ¼	Ø ½
FTX18WVJU9	RXL18WMVJU9	Ø ¼	Ø ⅝
FTX24WVJU9	RXL24WMVJU9	Ø ¼	Ø ½
Daikin *Aurora* Floor Standing Single Zone Service			
FVXS09WVJU9	RXL09WMVJU9	Ø ¼	Ø ⅜
FVXS12WVJU9	RXL12WMVJU9	Ø ¼	Ø ⅜
FVXS15WVJU9	RXL15WMVJU9	Ø ¼	Ø ½
Daikin *Aurora* Ducted Single Zone Series			
FDMQ12WVJU9	RXL12WMVJU9	Ø ¼	Ø ⅜
FDMQ18WVJU9	RXL18WMVJU9	Ø ¼	Ø ½
FDMQ24WVJU9	RXL24WMVJU9	Ø ¼	Ø ⅝
Daikin *Polara* Single Zone Series			
FTX30WVJU9	RK30WMVJU9	Ø ¼	Ø ⅜
FTX36WVJU9	RK36WMVJU9	Ø ¼	Ø ⅜
FTX30WVJU9	RX30WMVJU9	Ø ¼	Ø ⅜
FTX36WVJU9	RX36WMVJU9	Ø ¼	Ø ⅜
Daikin *Atmosphera* Single Zone Series			
FTXM09WVJU9	RXM09WVJU9	Ø ¼	Ø ⅜
FTXM12WVJU9	RXM12WVJU9	Ø ¼	Ø ⅜
FTXM18WVJU9	RXM18WVJU9	Ø ¼	Ø ½
FTXM24WVJU9	RXM24WVJU9	Ø ¼	Ø ½
Multi-Zone Systems			
	2MXS18WMVJU9	Ø ¼ (2)	Ø ⅜ (1), Ø ½ (1)
	2MXL18WMVJU9	Ø ¼ (2)	Ø ⅜ (1), Ø ½ (1)
	2MXLH18WMVJU9	Ø ¼ (2)	Ø ⅜ (1), Ø ½ (1)
	3MXS24WMVJU9	Ø ¼ (3)	Ø ⅜ (1), Ø ½ (2)
	3MXL24WMVJU9	Ø ¼ (3)	Ø ⅜ (1), Ø ½ (2)
	3MXLH24WMVJU9	Ø ¼ (3)	Ø ⅜ (1), Ø ½ (2)
	4MXS36WMVJU9	Ø ¼ (4)	Ø ⅜ (1), Ø ½ (2), Ø ⅝(1)
	4MXL36WVJU9	Ø ¼ (4)	Ø ⅜ (1), Ø ½ (2), Ø ⅝(1)
	4MXLH36WVJU9	Ø ¼ (1)	Ø ⅜ (1), Ø ½ (2), Ø ⅝(1)
	5MXS48WVJU9	Ø ¼ (5)	Ø ⅜ (1), Ø ½ (2), Ø ⅝(2)
Daikin *Cirra* Multi-Zone Series			
CTX07/09/12/AXVJU	2MX18AXVJU	Ø ¼ (2)	Ø ⅜ (2)

Piping Sizes (Cont.)

Outdoor Unit			
Heat Pump	Cooling Only	Liquid (in)	Gas (in)
RZQ	RZR	Ø ⅜	Ø ⅝

Indoor Unit		
Model	Liquid (in)	Gas (in)
FAQ18TAVJU	Ø ⅜	Ø ⅝
FAQ24TAVJU	Ø ⅜	Ø ⅝
FBQ18TBVJU	Ø ⅜†	Ø ⅝†
FBQ24TBVJU	Ø ⅜	Ø ⅝
FBQ30TBVJU	Ø ⅜	Ø ⅝
FBQ36TBVJU	Ø ⅜	Ø ⅝
FBQ42TBVJU	Ø ⅜	Ø ⅝
FBQ48TBVJU	Ø ⅜	Ø ⅝
FCQ18AAVJU	Ø ⅜	Ø ⅝
FCQ24AAVJU	Ø ⅜	Ø ⅝
FCQ30AAVJU	Ø ⅜	Ø ⅝
FCQ36AAVJU	Ø ⅜	Ø ⅝
FCQ42AAVJU	Ø ⅜	Ø ⅝
FCQ48AAVJU	Ø ⅜	Ø ⅝
FHQ18PVJU	Ø ⅜	Ø ⅝
FHQ24PVJU	Ø ⅜	Ø ⅝
FHQ30PVJU	Ø ⅜	Ø ⅝
FHQ36MVJU	Ø ⅜	Ø ⅝
FHQ42MVJU	Ø ⅜	Ø ⅝
FTQ18TBVJU(D/A)	Ø ⅜	Ø ⅝
FTQ24TBVJU(D/A)	Ø ⅜	Ø ⅝
FTQ30TBVJU(D/A)	Ø ⅜	Ø ⅝
FTQ36TBVJU(D/A)	Ø ⅜	Ø ⅝
FTQ42TBVJU(D/A)	Ø ⅜	Ø ⅝
FTQ48TBVJU(D/A)	Ø ⅜	Ø ⅝

† Serial numbers before E005373 have Ø ¼ liquid and Ø ½ gas

Facility Operation

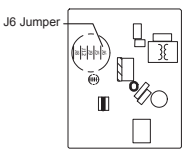
⚠WARNING – HIGH VOLTAGE

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

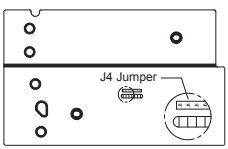
RX9-24BXVJU, RK9-24BXVJU, RKF9-24AXVJU, RXF9-24AXVJU

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

Location of jumper is as shown below:



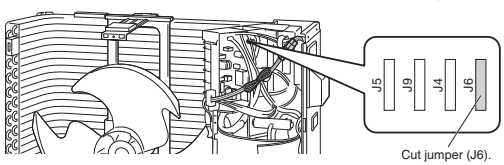
For Class 09 and Class 12



For Class 18 and Class 24 only

RX15/18/24WMVJU9. RXL 15WMVJU9

Cutting jumper 6 (J6) on the circuit board will expand the operation range down to 14°F (-10°C DB). However it will stop if the outdoor



Cut jumper (J6).

temperature drops below -4°F (-20°F) and start back up once the temperature rises again.

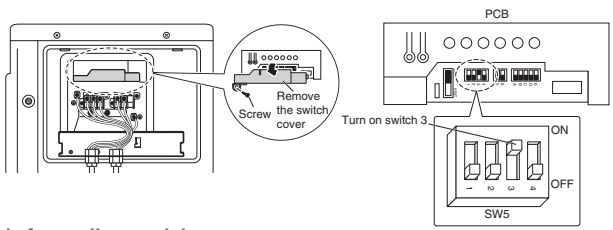
Facility Operation (Cont.)

⚠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.

RX30/36, RK30/36, RXL18/24 models

Turning on SW5-3 on the PCB will extend the operation range to 14°F (–10°C). Installing an air direction adjustment grille (sold separately) will further extend the operation range to –4°F (–20°C). In these cases, the unit will stop operating if the outdoor temperature falls below –4°F (–20°C), restarting once the temperature rises above this level.

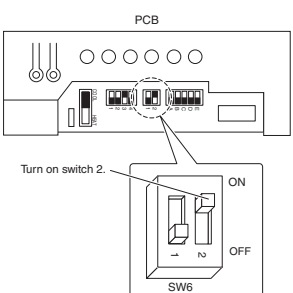


Only for cooling models

In addition to turning on SW5-3, turning on SW6-2 as well on the PCB will extend the operation range to –22°F (–30°C). The unit will stop operating if the outdoor temperature falls below –22°F (–30°C), restarting once the temperature rises above this level.

NOTE

When the outdoor temperature is below -4°F (-20°C) and if SW6-2 in this step is turned on, for the purpose of protecting the compressor, it may take up to 3 hours for operation to begin while the system warms up.



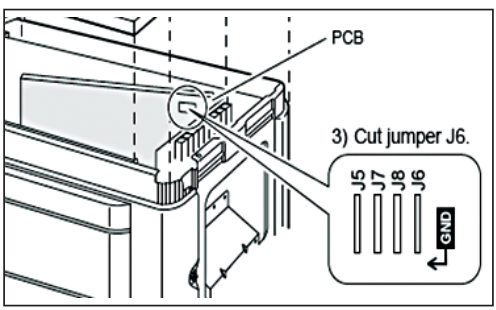
Low Ambient Cooling Operation

⚠WARNING – HIGH VOLTAGE

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

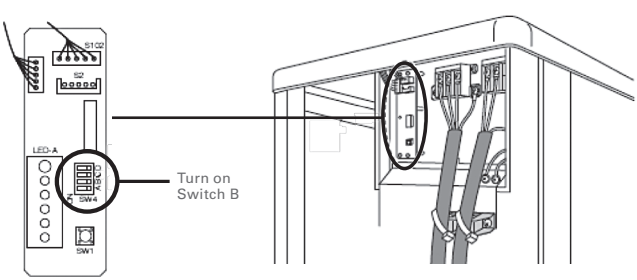
RXS15, 18LVJU

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



RXS24, 30, 36LVJU

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



Ultra-Low Ambient Operation

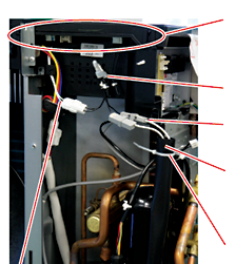
⚠WARNING – HIGH VOLTAGE

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

For RKS30, 36LVJU Systems
(P/N KEHC082A41 (RKS30) and KEHC082A42 (RKS36))

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

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



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

Trial Operation and Testing

For FTXR, CTXS, FTX, CTXS, FDXS, FVXS, FTXM series

From Indoor Unit

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

From Remote Controller

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

Trial Operation and Testing

For FTX(K) series

From Indoor Unit

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

From Remote Controller

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

Fault Diagnosis by Wireless Remote Controller

For FTX(K), FVXS

From Indoor Unit

1. When CANCEL is held down for about 5 seconds, "88" blinks in the temperature display section.
2. Press CANCEL repeatedly until a continuous beep is produced.

   • The code indication changes as shown below, and notifies you with a long beep
   *Please see related service manual for troubleshooting based on the error code.

NOTE

» A short beep indicates non-corresponding codes

» To cancel the code display, hold CANCEL down for about 5 seconds.

The code display also clears it no button is pressed for 1 minute.

Fault Diagnosis by Wireless Remote Controller (cont.)

For FDMQ, FFQ, *SkyAir*

If unit stops due to an error, the operation indicating LED on the signal receiving part of indoor unit blinks. The error code can be determined by following the procedure described below. (The error code is displayed when an operation error has occurred. In normal condition, the error code of the last problem is displayed.)

1. Press **INSPECTION/TEST** button to enter inspection mode. Then the figure 0 blinks on the unit number display.
2. Press **UP** button or **DOWN** button and change the unit number until the receiver of the remote controller starts to beep.

   3 short beeps: Follow all steps below.

   1 short beep: Follow steps 3 and 4. Continue the operation in step 4 until you hear a continuous beep. This continuous beep indicates that the error code is confirmed.

   Continuous beep: There is no abnormality.
3. Press **MODE** button. The left 0 (upper digit) indication of the error code blinks.

Fault Diagnosis by Wireless Remote Controller (cont.)

For FDMQ, FFQ, *SkyAir*

4. Press **UP** button or **DOWN** button to change the error code upper digit until the receiver of the indoor unit starts to beep. The upper digit of the code changes as shown below.

Continuous beep: Both upper and lower digits match. (Error code is confirmed.)

2 short beeps: The upper digit matches but the lower digit does not.

1 short beep: The upper digit does not match.

5. Press **MODE** button. The right 0 (lower digit) indication of the error code blinks.
6. Press **UP** button or **DOWN** button and change the error code lower digit until the receiver of the indoor unit generates a continuous beep. The lower digit of the code changes as shown below.

Continuous beep: Both upper and lower digits match. (Error code is confirmed.)

2 short beeps: The upper digit matches but the lower digit does not.

1 short beep: The upper digit does not match.

7. Press **MODE** button to return to the normal mode. If you do not press any button for 1 minute, the remote controller automatically returns to the normal mode.

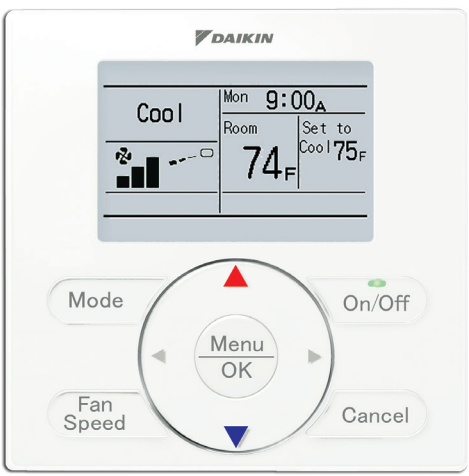
*Please see related service manual for troubleshooting based on the error code.

Fault Diagnosis by Wired Remote Controller

For FDMQ, FFQ, *SkyAir*

1. If operation stops due to malfunction, the remote controller's operation indicator blinks. The message "Error: Press Menu Button" will appear at the bottom of the screen.
2. Press Menu/Enter button, and malfunction code will be displayed.
   - Press Menu/Enter button, and malfunction history will be displayed in Main Menu mode.

*Please see related service manual for troubleshooting based on the error code.



Where to find Official Information?

Product Detail Single & Multi-Zone Systems		Eng. Data	Installation Manual	Operation Manual	Submittal	SVM
Features	Summary	◆				◆
Specification	Summary Table	◆				◆
	Electrical	◆			◆	
Drawings	Dimension	◆			◆	
	Piping	◆				◆
	Wiring	◆				◆
Performance	Ratings	◆			◆	◆
	Capacity Tables	◆				
	Piping	◆			◆	
	Airflow / ESP	◆			◆	
	Sound Level	◆			◆	
Installation	Piping	◆	◆			
	Wiring	◆	◆			
	Fundamentals	◆	◆			
	Charging	◆	◆			
Operation	How to use			◆		
	Controls			◆		◆
Accessories	Specification	◆				
	Installation	◆				
Set-up, Commissioning & Service	Test Operation		◆			◆
	Troubleshooting					◆
	Flow Charts					◆
	Replace Procedure					◆

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DAIKIN

About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company and is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. Founded in 1924, Daikin is celebrating 100 years of HVAC worldwide leadership. DIL is primarily engaged in developing indoor comfort systems and refrigeration products for residential, commercial, and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient, and premium quality indoor climate and comfort management solutions.

A WORLD LEADING MANUFACTURER OF HVAC PRODUCTS

FOUNDED IN 1924

DAIKIN 100th ANNIVERSARY

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www.daikincomfort.com or www.daikinac.com

Intertek

R32

www.R32reasons.com

REGULATIONS 2023 COMPLIANT

ADDITIONAL INFORMATION

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

Our continuing commitment to quality products may mean a change in specifications without notice.

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