



DAIKIN OTERRA

R32



SINGLE ZONE WALL-MOUNTED HEAT PUMP SYSTEM

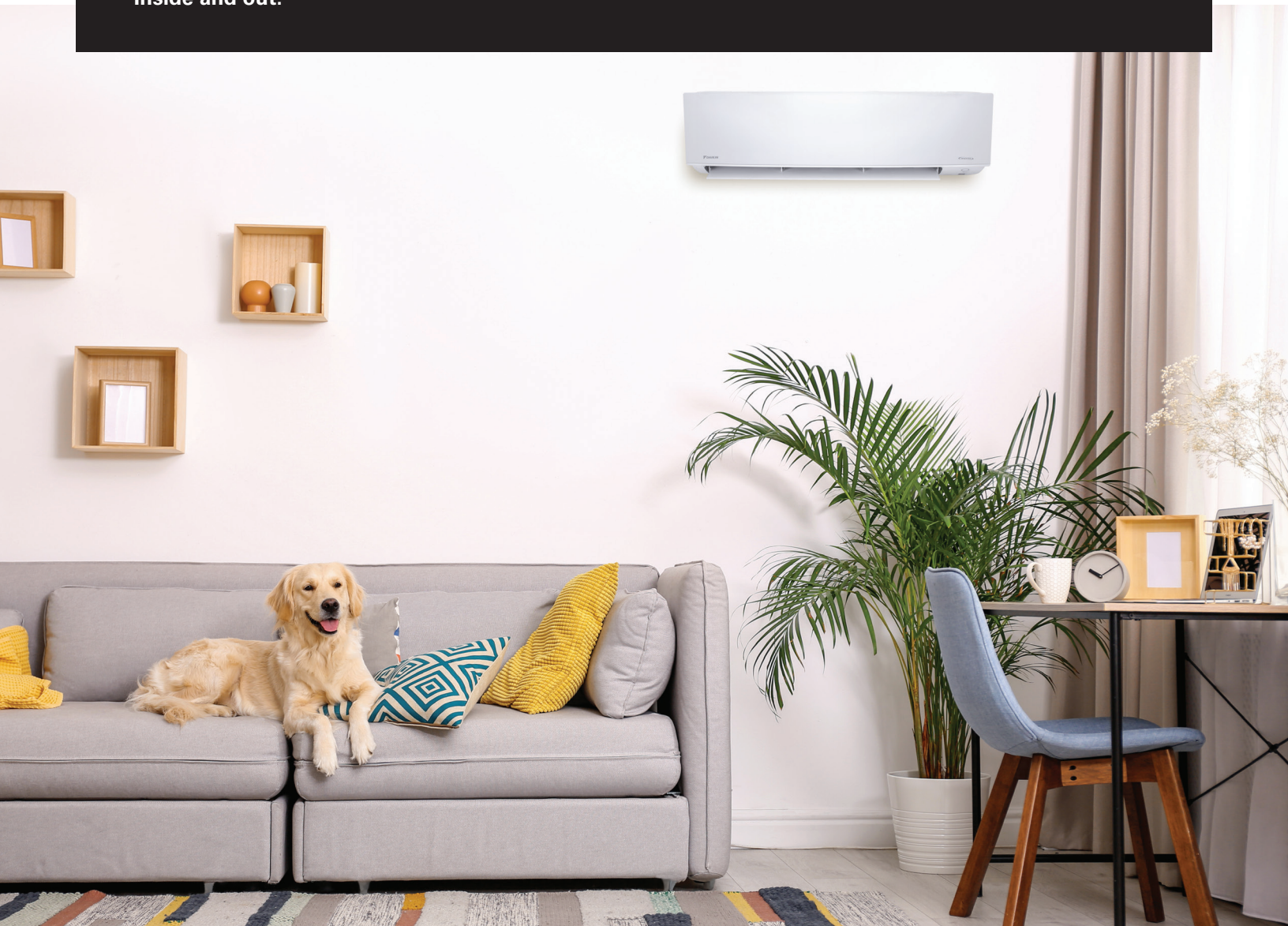


UPTO 21 SEER2 / UPTO 10.2 HSPF2 / UPTO 12.5 EER2

R-32 models shown above

Today, the air is perfect. Perfect temperature. Perfect humidity. Perfectly clean and fresh, like just after a rainstorm. And the only thing more perfect than this outdoor scenario is that it's all happening inside. Because that's where we work. That's where we play, where we sleep, where we truly live.

And that's why at Daikin, we aim to make the air inside as refreshing as the outside. Better comfort. Better control and efficiency. Better quality. So you can create your own unique ecosystem. And everyday is perfect. **Inside and out.**



Perfecting The Air We Share

A better understanding of how people inhabit their living spaces has led to products designed to create indoor environments that help use energy resources more effectively. Heat pumps extract or reject heat from the outside air, even in cold weather. They use an electrically powered compressor and are extremely effective at

heating and cooling an apartment or a house. Daikin heat pumps are quiet and discreet, and use state-of-the-art technology to keep your energy bills low. With a Daikin heat pump, a large portion of the energy used to heat or cool your home comes from the outside air, a free and infinitely renewable resource.



Daikin *OTERRA* Single Zone Wall Mount HEAT PUMP SYSTEM

Comfort

We offer a wide range of products, and always provide you with the ideal solution, whether for an apartment, condo or a house. Our units are whisper quiet and, with their specially designed airflow pattern, they create your ideal indoor climate.

Daikin units are designed to include features that let you create your own unique ecosystem. From the wide angle louver design to the auto-swing and comfortable mode controller settings, effective heating and cooling is ensured throughout the space.

Smart inverter technology



Integrated with an inverter (variable-speed) compressor,

Daikin systems deliver the

capacity required to maintain desired room conditions, typically reducing energy consumption by up to 30% or more (compared to traditional fixed-speed ducted systems). This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort.

Control

Our expertise makes life easier for you, allowing you to control your system via a user-friendly remote control.

Energy efficiency

Our products are designed to be highly efficient all year round, and their low energy consumption is reflected in low energy bills for you.

Reliability

Daikin products are renowned for their reliability. And you can rely on outstanding limited warranties* to match.



* Complete warranty details available from your local dealer/contractor or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. If product installed in a commercial application, limited warranty period is 5 years. The duration of warranty coverages in Texas differs in some cases.

Daikin *OTERRA*

Discreet wall-mounted unit providing high efficiency and comfort.

Daikin *OTERRA* wall-mounted systems provide energy efficiency and comfort control with an affordable, cost-saving solution. Available in both heat pump and cooling only models, these systems feature streamlined, wall-mounted indoor units paired with quiet and compact outdoor units.



Efficiency and Comfort:

Energy Efficient – Up to 21 SEER2 / 10.2 HSPF2 / 12.5 EER2

This system provides ultra-efficient cooling and heating operation and reduced operating costs compared to conventional lower-efficiency systems.

Cooling Range: 50°F DB – 122°F DB (10°C DB – 50°C DB)*.

Extended operation to -4°F DB (-20°C DB) with facility setting and wind baffle. *Varies by model- see specification table for details.

Heating Range: 5°F WB – 65°F WB (-15°C WB – 18°C WB)

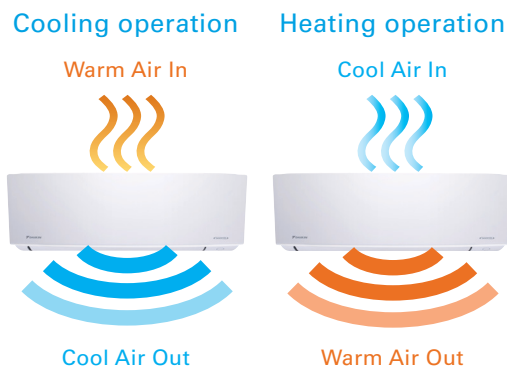


Ideal solution for:

- » Renovations, remodeling and new construction
- » Sun rooms, basements, attics, garages, hot or cold rooms, etc.
- » Rooms where floor space comes at a premium or is not available for other application
- » Ceiling void or attic does not allow for a viable duct run option
- » Cooling Only models are an excellent value for space(s) not requiring heating

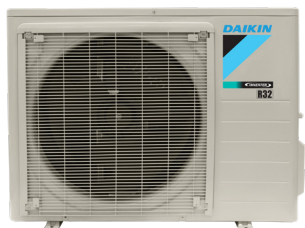
Simple and efficient:

Wall-mounted units are simple to install. The flexible design blends discretely with any home décor and is ideal for single room enhancements, spaces requiring additional heating or cooling, and additions. The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.





Innovative technology:



Outdoor unit features:



Anti-Corrosion Treatment on Heat Exchanger



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



Automatic Defrosting – Sensor performs automatic defrosting of the outdoor heat exchanger if necessary, ensuring optimum heating performance.



DID YOU KNOW: Our outdoor unit drain pans have up to 16 holes that allow for effective drainage of condensation. In some case, this improved drain pan design eliminates the need for drain pan heaters, resulting in higher efficiencies in low ambient temperatures.

Indoor unit features:



DKN Cloud App – Easily control your system from anywhere in the world or the comfort of your living room.



Blue Fin Protection – The hydrophilic coated fin ensures the condensate water moves easily to the drain pan — thus enhancing the cleanliness and lifespan of the cooling coil.



Simplified Maintenance – The indoor unit has been re-designed for easier removal of the drain pan, blower wheel, and indoor fan motor (compared to other wall-mounted units).

Knowledge is power

The new minimum efficiency standards are based upon new metrics (SEER2/EER2/HSPF2) derived from a new test procedure (M1) rather than the historical metrics (SEER/EER/HSPF) from the old test procedure (M). Testing procedures and requirements for developing efficiency ratings will now be more stringent with the new 2023 DOE regulations. The prior M testing procedure is being replaced by the M1 testing procedure for 2023 compliance.

Up to	
21 SEER2	12.5 EER2
10.2 HSPF2	4.19 COP
(Coefficient of Performance)	

Single Zone Heat Pump
Efficiency Ratings

Why is COP important?

The COP of a heat pump is the ratio of:
COP = $\frac{\text{energy out}}{\text{energy in}}$

When the COP is >1, the result is a system providing more heating energy than energy consumed. As the COP2 increases, the higher the efficiency — resulting in lower utility costs.

COP

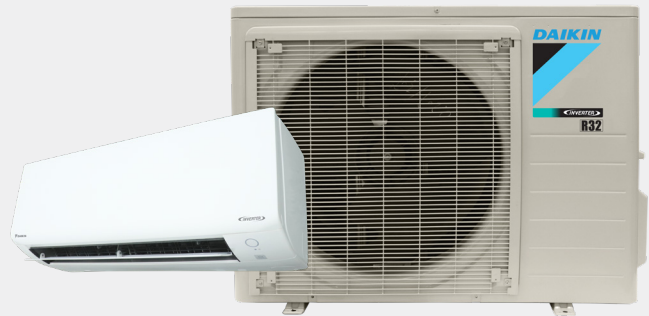


**Daikin
OTERRA
Up to 4.19**
(Wall Mount Unit)



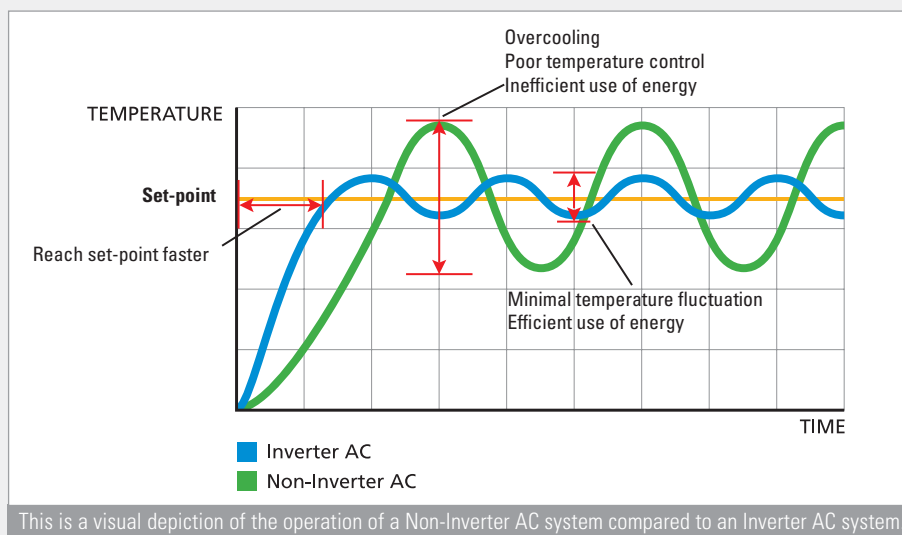
Take comfort in your decision.

NEW R-32 INDOOR AND OUTDOOR UNITS



Comfort without compromise:

The Daikin *OTERRA* system is an Inverter unit that runs continuously but adjusts the compressor's speed to meet the demand. An inverter is energy saving technology that eliminates wasted operation in air conditioners by efficiently controlling motor speed. Because it maintains the temperature consistently, your space will no longer feel too hot or too cold. Compared to non-inverter type HVAC systems, systems equipped with inverters have less power loss and can save up to 30% or more in energy.



Learn more about the benefits of Daikin Inverter technology:

www.daikincomfort.com/go/inverter/



R32

The right choice to replace R-401A.

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.

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.



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.



LEARN MORE ABOUT R-32 AT
WWW.R32REASONS.COM



Controls



Individual comfort and control.

Daikin systems come standard with an 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*.

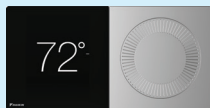
*Requires purchase and installation of adapter (AZAI6WSCDKB).



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>.

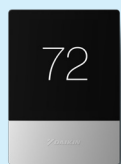




Daikin One+ Smart Thermostat

The Daikin One+ smart thermostat is available for single and multi-zone indoor unit models.

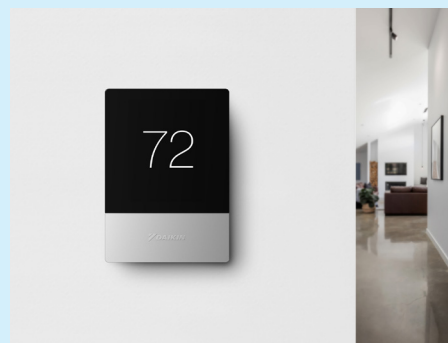
With the new translation adaptor, connecting the Daikin One+ smart thermostat provides several user features including remote monitoring, control and geofencing using the Daikin One home app, Google, and Amazon voice assistants.



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.

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.

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.



For systems compatible with Daikin One smart thermostats:

Once you grant your Daikin contractor access through Daikin One cloud services app, the Daikin cloud can notify your contractor when your system needs maintenance, alert them if your system ever has an urgent need, and provide detailed performance information on your system. The first year of Daikin One cloud services is included with purchase. Ask your Daikin contractor for more information!

BUILD YOUR SYSTEM | DISCOVER REBATES | FIND A CONTRACTOR | LEARN ABOUT FINANCING & MORE:
www.daikincomfort.com



Daikin **OTERRA (R-32)** With built in Wi-Fi

Wall Mounted Cooling only System

21 SEER2 | Up to 12.5 EER2



R32

Model			Indoor Unit		FTKF09BVJU9		FTKF12BVJU9		FTKF18BVJU9		FTKF24BVJU9	
			Outdoor Unit		RKF09BVJU9		RKF12BVJU9		RKF18BVJU9		RKF24BVJU9	
Capacity Rated (Min. ~ Max.)			Btu/h		9,000 (4,400 ~ 11,200)		12,000 (4,400 ~ 14,600)		18,100 (6,900 ~ 22,000)		22,400 (7,000 ~ 26,400)	
Moisture Removal			gal/h									
EER2 Rated					12.5				12			
SEER2					21							
Piping Connections		Liquid	in. (mm)	Ø 1/4 (Ø 6.4)								
		Gas		Ø 3/8 (Ø 9.5)				Ø 1/2 (Ø 12.7)		Ø 5/8 (Ø 15.9)		
		Drain		Ø 5/8 (Ø 16.0)								
Max. Interunit Piping Length			ft (m)		65-5/8 (20)				98-1/2 (30)			
Max. Interunit Height Difference					49-1/4 (15)				65-5/8 (20)			
Chargeless					49-1/4 (15)							
Amount of Additional Charge of Refrigerant			oz/ft (g/m)		0.22 (20)							
Operating Range - Cooling			°F DB		50 ° - 118 °F				50 ° - 122 °F			
Operating Range - Low-Ambient Cooling**					5 ° - 118 °F				5 ° - 122 °F			
Operating Range - Cooling with Optional Air Adjustment Grille**					-4 ° - 118 °F				-4 ° - 122 °F			
Indoor Unit					FTKF09BVJU9		FTKF12BVJU9		FTKF18BVJU9		FTKF24BVJU9	
Airflow Rate	H		cfm (m³/min)	381 (10.8)		436 (12.3)		565 (16)		629 (17.8)		
	M			272 (7.7)		316 (8.9)		463 (13.1)		501 (14.2)		
	L			230 (6.5)		247 (7.0)		378 (10.7)		378 (10.7)		
	SL			124 (3.5)		132 (3.7)		335 (9.5)		335 (9.5)		
Fan		Speed	Steps	3 Steps, Auto, Quiet, Turbo								
Air Direction Control				Vertical, Horizontal								
Air Filter				Catechin								
Dimensions			in.		11-1/4 × 30-5/8 × 8-3/4				11-5/8 X 39-3/8 X 10-3/8			
(H × W × D)			(mm)		(286 X 778 X 223)				(295 X 1000 X 263)			
Weight			Lbs (kg)		19.8 (9.0)		19.8 (9.0)		28(13)			
Sound Pressure Level (H / M / L / SL)			dB(A)		44 / 35 / 30 / 19		46 / 37 / 31 / 19		48 / 43 / 37 / 33		52 / 45 / 38 / 34	
Outdoor Unit					RKF09BVJU9		RKF12BVJU9		RKF18BVJU9		RKF24BVJU9	
Compressor		Motor Output	W	--								
Refrigerant		Type	R-32									
		Charge	Lbs (kg)	1.65 (0.75)				2.45 (1.11)				
Airflow Rate		H	cfm (m³/min)	1088 (30.8)				2327 (65.9)				
Dimensions		in.		21-15/16 X 26-9/16 X 11-3/16				29-1/2 X 34-1/4 X 12-5/8				
(H × W × D)		(mm)		(557 × 675 × 284)				(750 X 870 X 320)				
Weight		Lbs (kg)		63 (28)				113 (52)				
Sound Pressure Level		H	dB(A)	49		49		54		54		
ENERGY STAR® CERTIFIED				Yes		Yes		Yes		Yes		

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

Unit Combination		Power Supply				Fan/Compressor	Indoor Fan
INDOOR UNIT	OUTDOOR UNIT	Hz - Volts	VOLTAGE RANGE	MCA	MOCP	INVERTER DRIVE INPUT	INVERTER DRIVE INPUT
FTKF09BVJU9	RKF09BVJU9	60 - 208	Min. 60 Hz 187 V Max. 60 Hz 253 V	11.6	15	9	0.2
		60 - 230					
FTKF12BVJU9	RKF12BVJU9	60 - 208	Min. 60 Hz 187 V Max. 60 Hz 253 V	14.6	15	11.4	0.23
		60 - 230					
FTKF18BVJU9	RKF18BVJU9	60 - 208	Min. 60 Hz 187 V Max. 60 Hz 253 V	21.4	25	17.4	0.4
		60 - 230					
FTKF24BVJU9	RKF24BVJU9	60 - 208	Min. 60 Hz 187 V Max. 60 Hz 253 V	21.6	25	17.6	0.45
		60 - 230					

Daikin **OTERRA (R-32)** With built in Wi-Fi

Wall-Mounted Heating & Cooling

21 SEER2 | Up to 10.2 HSPF2 | Up to 12.5 EER2

R32

Model	Indoor Unit		FTXF09BVJU9		FTXF12BVJU9		FTXF18BVJU9		FTXF24BVJU9	
	Outdoor Unit		RXF09BVJU9		RXF12BVJU9		RXF18BVJU9		RXF24BVJU9	
			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity Rated (Min. ~ Max.)		Btu/h	9,000 (4,400 ~ 11,200)	10,000 (4,400 ~ 14,300)	12,000 (4,400 ~ 14,600)	13,500 (4,400 ~ 18,000)	18,000 (6,900 ~ 22,000)	21,600 (5,800 ~ 28,000)	22,400 (7,000 ~ 26,400)	24,000 (6,200 ~ 32,000)
Moisture Removal		gal/h	—		—		—		—	
COP Rated			2		2		2		1.9	
EER2 Rated			12.5				12			
SEER2			21							
HSPF2			10.2				9.6		9.5	
Piping	Liquid	in. (mm)	Ø 1/4 (Ø 6.4)							
Connections	Gas		Ø 3/8 (Ø 9.5)				Ø 1/2 (Ø 12.7)		Ø 5/8 (Ø 15.9)	
	Drain		Ø 5/8 (Ø 16.0)							
Max. Interunit Piping Length		ft (m)	65-5/8 (20)				98-1/2 (30)			
Max. Interunit Height Difference			49-1/4 (15)				65-5/8 (20)			
Chargeless			49-1/4 (15)							
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.22(20)							
Operating Range - Cooling		°F DB	50 ° - 118 °F				50 ° - 122 °F			
Operating Range - Low-Ambient Cooling*			5 ° - 118 °F				5 ° - 122 °F			
Operating Range - Cooling with Optional Air direction adjustment grille *			-4 ° - 118°F				-4 ° - 122°F			
Operating Range - Heating*			5 ° - 65 °F							
Indoor Unit			FTXF09BVJU9		FTXF12BVJU9		FTXF18BVJU9		FTXF24BVJU9	
Airflow Rate	H	cfm (m³/min)	381 (10.8)	385 (10.9)	399 (11.3)	438 (12.4)	565 (16)	717 (20.3)	629 (17.8)	717 (20.3)
	M		272 (7.7)	304 (8.6)	282 (8.0)	319 (9)	463 (13.1)	572 (16.2)	501 (14.2)	572 (16.2)
	L		230 (6.5)	230 (6.5)	219 (6.2)	240 (6.8)	378 (10.7)	452 (12.8)	378 (10.7)	466 (13.2)
	SL		124(3.5)	194 (5.5)	117(3.3)	205 (5.8)	335 (9.5)	388 (11)	335 (9.5)	413 (11.7)
Fan	Speed	Steps	3 Steps, Auto, Quiet, Turbo							
Air Direction Control			Right, Left, Horizontal, Downward							
Air Filter			Removable, Washable							
Dimensions		in.	11-1/4 × 30-5/8 × 8-3/4				11-5/8 X 39-3/8 X 10-3/4			
(H × W × D)		(mm)	(286 X 778 X 223)				(295 X 1000 X 263)			
Weight		Lbs (kg)	19 (9.0)		19 (9.0)		28 (13)			
Sound Pressure Level (H / M / L / SL)		dB(A)	44 / 35 / 30 / 19	41 / 35 / 28 / 25	46 / 37 / 31 / 19	45 / 37 / 30 / 25	48 / 43 / 37 / 33	49 / 42 / 37 / 33	52 / 45 / 38 / 34	49 / 43 / 38 / 34
Outdoor Unit			RXF09BVJU9		RXF12BVJU9		RXF18BVJU9		RXF24BVJU9	
Compressor	Motor	W								
	Output									
Refrigerant	Type		R-32							
	Charge	Lbs (kg)	1.65 (0.75)				2.45 (1.11)			
Airflow Rate	H	cfm (m³/min)	1051 (29.8)	966 (27.4)	1051 (29.8)	966 (27.4)	2327 (65.9)	2327 (65.9)	2327 (65.9)	2327 (65.9)
Dimensions		in.	21-11/16 X 26-1/2 X 11-3/16				29-1/2 X 34-1/4 X 12-5/8			
(H × W × D)		(mm)	(550 × 675 × 284)				(750 X 870 X 320)		(750 X 870 X 320)	
Weight		Lbs (kg)	60 (27)				113 (51)			
Sound Pressure Level		H	46	48	48		54	57	54	57
ENERGY STAR® CERTIFIED			Yes		Yes		Yes		Yes	

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

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

Unit Combination		Power Supply				Fan/Compressor	Indoor Fan
INDOOR UNIT	OUTDOOR UNIT	Hz - VOLTS	VOLTAGE RANGE	MCA	MOCP	INVERTER DRIVE INPUT	INVERTER DRIVE INPUT
FTXF09BVJU9	RXF09BVJU9	60 - 208	Min. 60 Hz 187 V	11.6	15	9	0.2
		60 - 230	Max. 60 Hz 253 V				
FTXF12BVJU9	RXF12BVJU9	60 - 208	Min. 60 Hz 187 V	14.6	15	11.4	0.23
		60 - 230	Max. 60 Hz 253 V				
FTXF18BVJU9	RXF18BVJU9	60 - 208	Min. 60 Hz 187 V	21.4	25	17.4	0.4
		60 - 230	Max. 60 Hz 253 V				
FTXF24BVJU9	RXF24BVJU9	60 - 208	Min. 60 Hz 187 V	21.6	25	17.6	0.45
		60 - 230	Max. 60 Hz 253 V				

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.



WARNINGS:

- » Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- » For any inquiries, contact your local Daikin sales office.
- » Working with all refrigerants involves a degree of liability. It is recommended to use best practices and always adhere to safety protocols before, and during, work with any refrigerants.
- » **DO NOT MIX REFRIGERANTS**
- » A2L refrigerants can only be used in new equipment.
- » A2L refrigerants CANNOT be used as a retrofit refrigerant.
- » Codes are rapidly changing and allowing A2L refrigerants throughout North America. Check with your local Daikin Distributor for latest product availability information.

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Google Play and the Google Play logo are trademarks of Google LLC.

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.



www.R32reasons.com

