



## Daikin Inverter Ducted Systems



### PACIFIC HVAC Air conditioner

Authorized Daikin Split systems & VRV contractor

Tel: 201-266-0049

[www.pacificairconditioner.com](http://www.pacificairconditioner.com)



## Daikin RZQ24PVJU9 New Central Air conditioner / Heat pump system

### High Efficiency two ton Ducted inverter central AC **include HVAC installation**

High efficiency 18 SEER Daikin Central AC / Heat pump (Heating & cooling system) Up to 18.15 SEER Ultra High efficient inverter heating & cooling (Heat Pump) solution for Home and business with existing Duct system, ultra quiet, Energy Star, Top of-the-line component, superior comfort, superior heating & cooling performance, dramatically reduce energy consumption, small footprint, R-410A refrigerant good for the environment and good for you.

[New installation or replacing your old Central AC](#)  
[Heat Pump - Heating & cooling from one system, No furnace or oiled required](#)

Daikin RZQ24PVJU9 Ducted Central AC, specially design to replace old rational Central AC system with or without Gus furnace with High efficient fully inverter top of the line high performance heat pump system, offers you up to 100% heating capacity up to 14°F, operate in heating mode down to 0°F, and further below zero emergency backup for peace of mind or the heating capacity requires a boost for those extreme cold design Days, Wide lineup of field-installed electric heater options from 3kW to 10kW

#### [System information / Conditions / Payment](#)

**Model:** Daikin RZQ24PVJU9, two ton 24,000 Btu Central AC, consist one evaporator and one condenser

**Condition:** Brand New (New model)

**Type:** Heat Pump (with back up electric heater)

**Wired Remote:** Simplified wired remote included

**SEER:** up to 18 SEER

**EER:** up to 13.9

**HSPF:** 8.92

**Heating capacity:** 27,000 Btu

**Cooling capacities:** 24,000 Btu

**Power:** 208/230 V single phase, 20 Am, (typically residential power required)

if you don't have 220V don't worry upgrade take no more than 10 minutes in most cases)

**Cooling operating range:** up to 0-115 °F

**Heating operating range Heat pump:** 0-70°F (and further below zero with optional back up electric heater) (for full specifications check table below)

**Basic Price: Included** System + installation --\$7,400 (include indoor and outdoor unit + electric connection, wall bracket, line sets, insulation, drain line)

**not include:** Duct modifications, removing old system,

**Payment:** Pay Pal (Major credit cards or E check)

**Please be advice,** before bidding please contact us **201-266-0049**, we will visit the site job free of charge we also have in stock same system with 18,000 Btu or 48,000 Btu VRV-S, Made by Daikin,

## More Information

A traditional central-air system **made better** with Daikin Constant Comfort inverter technology.

The Daikin Inverter Ducted line is a **cost-effective alternative** to traditional high-efficiency gas furnace/AC systems. These new Daikin products provide more comfort because they are equipped with **Daikin Constant Comfort inverter** Technology. Daikin Inverter Ducted systems offer up to **100% heating capacity** when the outside temperature is **as low as 14°F** (systems can operate in heating mode **down to 0°F**), making them **cheaper** to run than traditional Heat-pump systems in most climates. They are also more **compact** and **quieter** than traditional units.

**Daikin Inverter Ducted systems are also energy efficient:**

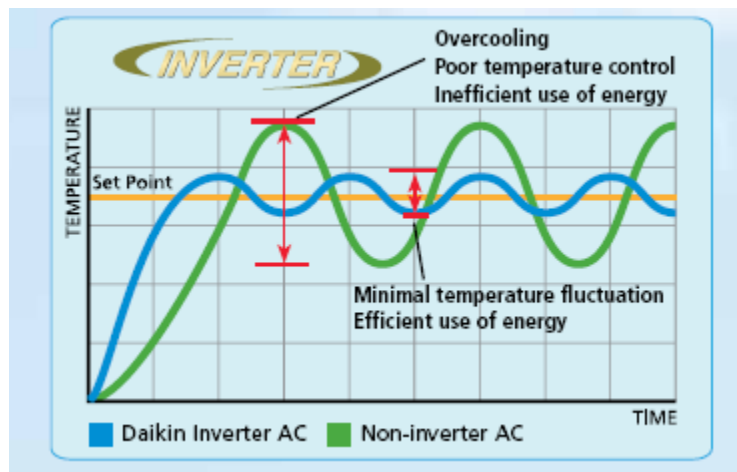
- Up to SEER 18.15, EER 13.9 and HSPF 8.92
- Energy Star Tier II rated
- Qualifies for the \$1,500 American Recovery and Revitalization Act of 2009 tax credit

Daikin Inverter Ducted systems do not maintain the set temperature by abruptly stopping and starting. Daikin Constant Comfort inverter technology allows them to start softly and maintain the set point by varying the speed.



## Daikin Constant Comfort inverter technology.

Daikin Inverter Ducted systems do not maintain the set temperature by abruptly stopping and starting. Daikin Constant Comfort inverter technology allows them to start softly and maintain the set point by varying the speed of the compressor.



## Top-of-the-line components

Daikin systems extract thermal energy from the air and “pump” the heat in or out of

The home to heat and cool it.  
On Daikin Inverter Ducted systems, the condensing units

Swing Compressor



Contain swing compressors because they are more efficient And reliable than other compressor types found in ordinary Air conditioners or heat pumps. Because the compressor is the Heart of any cooling and heating system, we build our own (More than a million a year).

The indoor fan coil unit of the Daikin Inverter Ducted system contains an electronically Commutated Motor (ECM) that provides improved system performance and user Comfort by automatically adjusting its speed to provide the factory pre-set optimal Airflow. The fan motor also uses less energy than a typical permanent split capacitor Motor (PSC) due to its soft start and higher efficiency at lower loads.

## Key Benefits

### Superior comfort

Daikin Constant Comfort inverter technology maintains the desired temperature by varying the speed of the Compressor. Since the system runs longer in comparison to standard on/off systems in most environments, filtered Air is nearly always flowing. This can eliminate large temperature swings and can help reduce humidity.

### High energy efficiency

A big benefit of Daikin Constant Comfort inverter technology is that almost Continuous operation reduces the system's energy consumption – just as a car Is more efficient traveling on a highway than in stop-and-go traffic? Inverter Compressors reduce power consumption as much as 30% compared to Conventional fixed-speed equivalents.

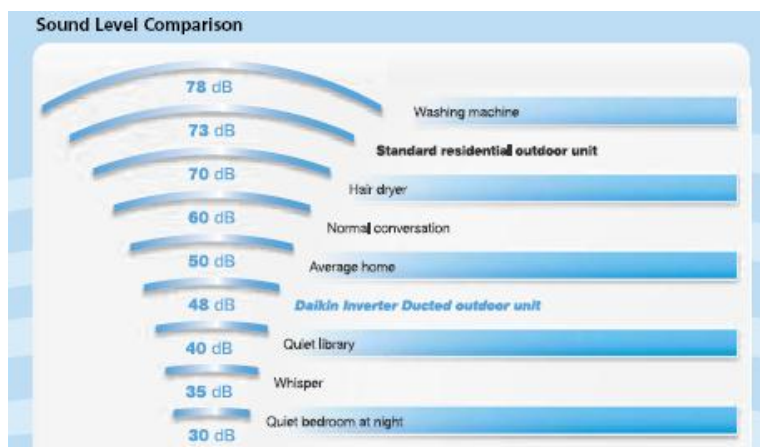
## Qualifies for the \$1,500 American Recovery and Revitalization Act of 2009 tax credit!

### Worry-free operation

A conventional system's hard starts generate heat and stress that can damage its vital components. A Daikin Inverter Ducted system starts softly, doesn't run in stop-start fashion and seldom needs to run at full speed. It's advanced Compressor also has fewer parts to wear out.

Daikin air-source heat pumps heat well even in low-ambient conditions, so there is no need to use and store fossil Fuels. Having no burner inside the house results in:

- Less maintenance
- No risk of fire or gases from spilled fuel
- No risk of injury from carbon monoxide emissions

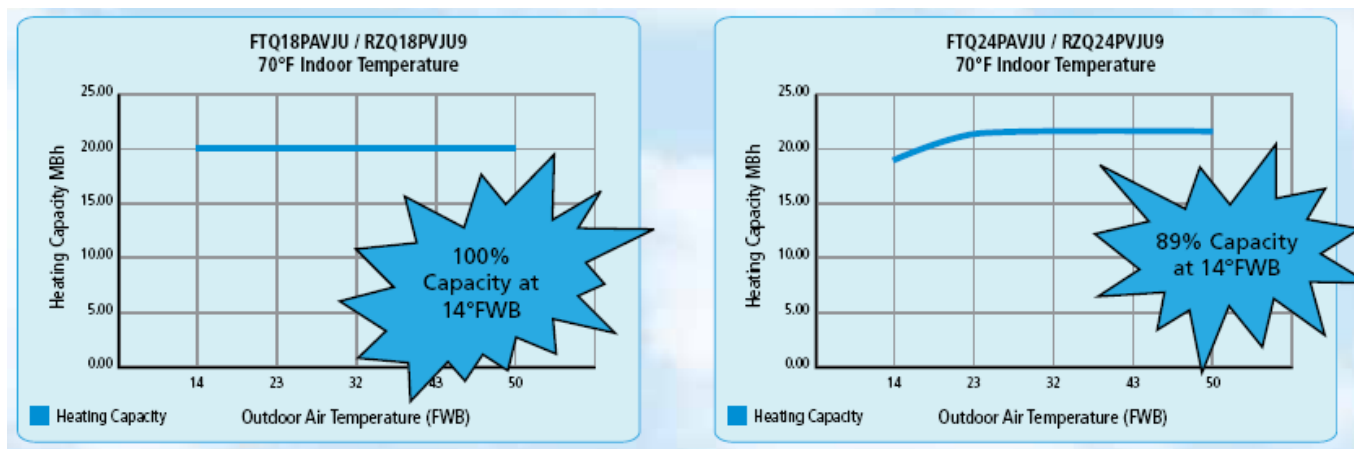


## Sound Reduction

Daikin Inverter Ducted systems have sound reducing Features such as compressor sound Attenuators. But they're also quieter than Conventional systems because they have fewer Moving parts and rarely run at full speed.

## Superior heating capacity in low-ambient conditions.

Traditional residential heat pump systems may require backup electric heating whenever the outside temperature is below 45°F. Daikin Inverter Ducted systems provide comfortable heating down to 0°F, with up to 100% capacity Available as low as 14°F. They can also operate in cooling mode from 23°F to 115°F. In most climates, this makes Installation easier since no supplemental electric heater needs to be installed.



### Electric heater options

Electric heater options are available for applications where the heating design conditions are below 0°F, the customer

Requires emergency backup for peace of mind or the heating capacity requires a boost for those extreme cold design Days. To optimize the heating performance, installation cost and operation cost of Daikin Inverter Ducted systems, two different methods may be selected:

#### Method 1 – Booster Heater:

For models that allow electric booster heater operation in combination with heat pump operation, the thermo-on Set point for the electric heater is programmable. The electric heat can be energized between 7.2°F and 2.7°F below

The remote controller heating set point and de-energized between 3.6°F below and 0.9°F above the remote controller heating set point.

#### Method 2 – Electric Heater Only (Lockout)\*:

For models that allow only electric heat operation, the thermo-on set point for the electric heater is set to be energized 1°F below the remote controller heating set point and de-energized at 1°F above the remote controller heating Set point.

Model Name	Electric Heater Capacity				
	3kW	5kW	6kW	8kW	10kW
FTQ18PAVJU	●	■	■	✗	✗
FTQ24PAVJU	●	■	■	■	■

● Electric heater operation with heat pump is allowed  
 ■ Only electric heater operation is allowed

✗ Not allowed

### Features

- Wide lineup of field-installed electric heater options from 3kW to 10kW
  - Integrated heater control relays and logic to minimize cost
  - Electric booster heater operation in combination with heat pump operation now possible
  - Reduced operational dead band for increased user comfort
  - During electric heater operation, the indoor unit fan is fixed in H (High) speed regardless of the controller setting
  - The operating condition of the electric heater is programmable via a field setting.
- \* BRP2A81 ABC terminal kit is required for method 2

The best heating and cooling systems deserve the best Controls – like the Daikin Navigation Controller.



The Navigation Remote Controller is the latest addition to Daikin's controls suite, which offers scalable control architecture Optimized for our technology. The wall-mounted controller features a backlit LCD display as well as intuitive menus. The menu Displays are now available in English, French or Spanish languages.

### Schedule

A scheduling feature enhances flexibility by allowing three selectable weekly schedule pattern options: 7-Day, 5 + 2 (Weekday + Weekend) and 5 + 1 + 1 (Weekday + Saturday + Sunday). The schedule supports up to 5 On/Off operations per day and has the Ability to set new individual occupied or setback cooling and/or heating set points per operation.

## Auto-changeover

The Navigation Remote Controller features auto-changeover. Auto-changeover mode allows the optimal room temperature to be maintained without the user having to change the mode. It automatically switches the indoor unit's mode (heat or cool) according to both the room temperature and temperature set points. When in the heating mode, changeover to cooling mode shall occur at cooling set point + 1°F (0.5°C). When in the cooling mode, changeover to heating mode shall occur at heating Set point – 1°F (0.5°C)

**Optional Controllers**

The FTQ/RZQ is not equipped with a return air sensor. The sensor in the local remote controller (factory set) or remote sensor (KRCS01-4B) is utilized to help control the indoor unit, whichever is applicable.

Remote sensor is required when BRC1E71 is not located in optimum position to adequately sense the room temperature condition or when the simplified (BRC2A71) or Wireless (BRC4C82) controllers are used.

Navigation Controller BRC1E71      Simplified Controller BRC2A71      Wireless Controller BRC4C82

Sensor in controller BRC1E71      Remote Sensor is required. BRC2A71

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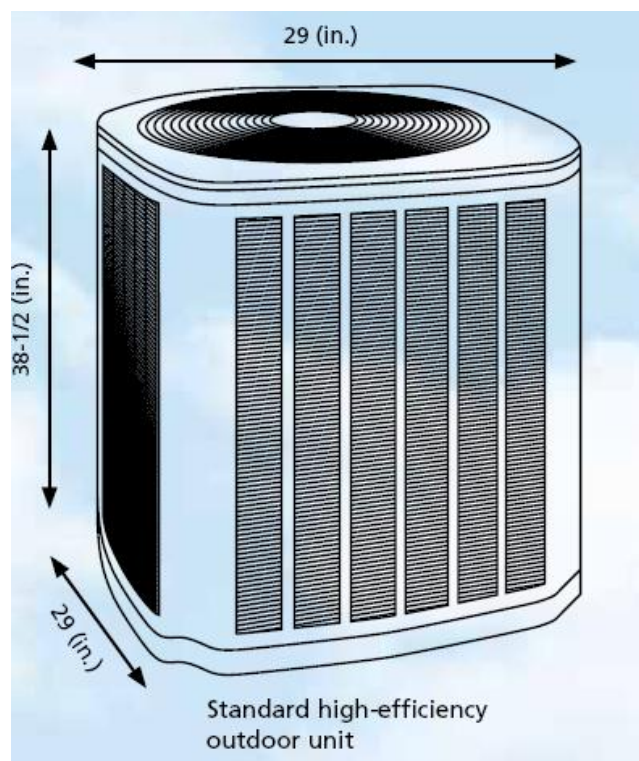
## Easy to install and built to last.

A Daikin Inverter Ducted Outdoor unit is not as large and Bulky as the outdoor unit on a conventional system. More Than one of the compact and lightweight units can be fitted In the bed of a standard pickup Truck.

### Space savings

Footprint: 47% savings

Volume: 58% savings



## Ease of installation features

- Reduced installation time with integrated electronic expansion valve and printed circuit boards
- Volt-free float switch integration option
- Corrosion-resistant coating on outdoor unit heat exchanger
- Indoor fan coil unit with up flow or horizontal right configurations
- Heating and Cooling Fan Auto mode can be configured separately
- Dual-voltage 208-230V/1/60 Hz power supply

FTQ/RZQ Accessories	
Navigation Remote Controller	BRC1E71
Simplified Wired Remote Control*	BRC2A71
Wireless Remote Controller	BRC4C82
Remote Sensor Kit	KRCS01-4B
Wiring Adapter PCB (interface with humidifier, OA damper/fan)	KRP1C75 <sup>1</sup>
Group Control Adapter PCB (connects to external BMS)	KRP4A74 <sup>2</sup>
External Control Adapter for Outdoor Unit	DTA104A53 <sup>2</sup>
Fixing Box	KRP1B101 <sup>3</sup>
Air Filter	FIL 48-61
Insulation Kit (vertical)	DPI 48-61/20
Insulation Kit (horizontal)	DPIH 48-61
Electric Heater Kit	HKR-03, HKR-05C, HKR-06, HKR-08C, HKR-10C

<sup>1</sup> Need 24VAC power supply.

<sup>2</sup> Need 16VDC power supply.

<sup>3</sup> Fixing box installed beside the unit.

\*Optional faceplates available to provide a more intuitive user interface and to disable specific functions.

- Optional electric resistance heat
- Gravity-fed drain connection

## The Daikin Difference: We think of everything, and we make it all.

For more than 80 years, Daikin has designed and produced advanced, high-quality cooling and heating equipment for residential, commercial and industrial applications. We devote more resources to research and development than any of our competitors. We are also the only company that makes every major component used in its systems.



This allows us to optimize every element. With a global presence that stretches from Asia to Europe to South America, you can be assured that our products Have been proven to perform in a multitude of climates.

Indoor Units – FTQ_PAVJU				
Model		FTQ18PAVJU	FTQ24PAVJU	
Power Supply		1ph 208/230V 60Hz		
Refrigerant		R-410A	R-410A	
Refrigerant Control		Electronic Expansion Valve		
Maximum Overcurrent Protection (MOP)	A	15	15	
Rated Cooling Capacity	btu/hr.	18,000	24,000	
Rated Heating Capacity	btu/hr.	20,000	27,000	
Airflow Rate (H/L)	cfm	600/420	800/560	
External Static Pressure Range	in. W.G.	up to 0.5	up to 0.5	
Unit Condensate Connection	in. O.D.	3/4 (fpt)	3/4 (fpt)	
Pipe Connections	Gas	in.	5/8 (Braze)	5/8 (Braze)
	Liquid	in.	3/8 (Braze)	3/8 (Braze)
External Finish		Fully Insulated, painted steel cabinet with gray finish		
Protection Devices		Fan Motor Thermal Protector		
Weight	lbs.	169		
Dimensions (H x W x D)	in.	53-1/4 x 22 x 24		

Outdoor Units – RZQ_PVJU9				
Model		RZQ18PVJU9	RZQ24PVJU9	
Power Supply		1ph 208/230V 60Hz		
Compressor Type		Hermetically sealed swing type compressor		
Maximum Overcurrent Protection (MOP)	A	20	20	
Power Consumption (Cooling/Heating)	W	1,695	2,431	
Sound Pressure Level (Cooling/Heating)	dB(A)	48/49	49/51	
Operating Range – Cooling (Outdoor)	°F DB	23 - 115	23 - 115	
Operating Range – Cooling (Outdoor) (with optional wind baffle)	°F DB	0 - 115	0-115	
Operating Range – Heating (Outdoor)	°F DB	0 - 77	0 - 77	
Operation Current (Cooling and Heating)	A	7.37	10.57	
Max. Piping Length	ft.	98	98	
Max. Height Difference	ft.	98	98	
Dimensions (H x W x D)	in.	30-5/16 x 35-7/16 x 12-5/8		
Weight	lbs.	150	150	



Certified Efficiency Performance Values						
AHRI Number	Outdoor Model	Indoor Model	EER 95°F	SEER	COP 47°F	HSPF 47°F
4098969	RZQ18PVJU9	FTQ18PAVJU	13.9	18.15	3.7	8.92
4098975	RZQ24PVJU9	FTQ24PAVJU	12.5	18	3.6	8.89