

SkyAir

DAIKIN AC
absolute comfort



FTQ



Daikin Inverter Ducted Heat Pump

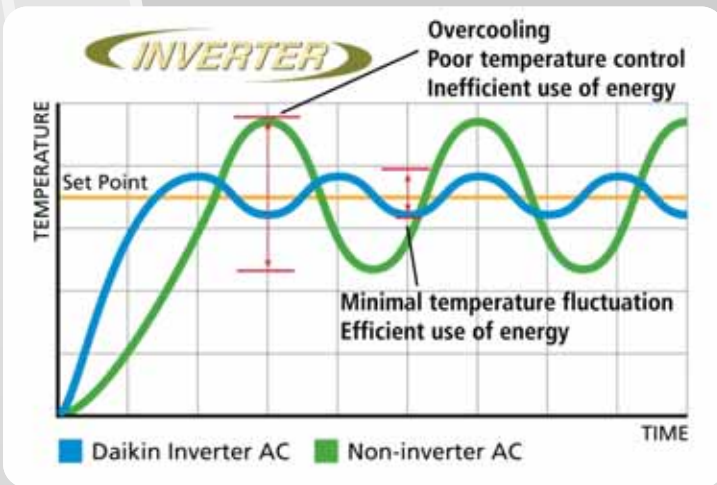
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**HEAT PUMP
INVERTER
R-410A**

A TRADITIONAL CENTRAL-AIR SYSTEM MADE BETTER WITH DAIKIN CONSTANT COMFORT INVERTER TECHNOLOGY.

The Daikin Inverter Ducted Heat Pump line is a cost-effective alternative to traditional high-efficiency gas furnace/AC systems. These new Daikin products provide more comfort due to 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.

ENERGY EFFICIENCY – UP TO SEER 20 AND HSPF 12



Integrated with an inverter “variable speed” compressor, systems deliver the capacity required to maintain desired room conditions, reducing energy consumption by 30% compared to traditional fixed speed systems. This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort with maximum energy savings.

Daikin Inverter Ducted systems are also energy efficient:

- Up to SEER 20, and HSPF 12
- CEE Tier II rated (42MBH is rated Tier 1)

INDIVIDUAL COMFORT AND CONTROL

The wired remote controller (BRC1E71) is provided as an accessory, and can be replaced with other control solutions. The wall mounted controller features a backlit LCD display as well as intuitive menus with displays available in English, French, or Spanish languages. Other functions include setpoint range limit, independent occupied and unoccupied (setback) heating and cooling setpoints, auto-changeover with cooling and heating setpoints, and advanced scheduling functions (7-Day).



BUILT-IN RELIABILITY



All major components are engineered and manufactured by Daikin, ensuring maximum performance, reliability and efficiency. From the internal motors and compressors to the exterior anti-corrosion treatment and self diagnostic function, Daikin systems are built with durability and backed

by one of the best warranties in the industry.

ADVANCED FEATURES THAT MAKE A DIFFERENCE

Feel the Difference



Designed for superior heating capacity in low-ambient conditions and absolute comfort, Daikin Inverter Ducted units provide comfortable heating down to 0°F, with up to 100% capacity available at temperatures as low as 14°F. With the ability to operate in cooling mode from 23°F to 115°F, this makes installation easier in most climates since additional supplemental electric heater is not required.

Hear the Difference

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. Utilizing inverter technology to maintain comfort settings, Daikin systems most often operate at low speeds with outdoor sound levels in the mid to high 50s dB(A).

Sound levels as low as:

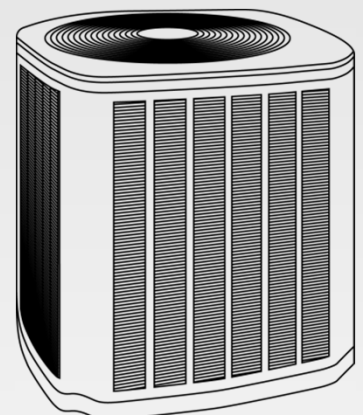


Easy Installation

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.



- 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
- Optional electric resistance heat
- Gravity-fed drain connection



LEADING TECHNICAL PERFORMANCE

System Performance						
Model Name	Indoor	FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
	Outdoor	RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)	Btu/h	18,000	24,000	30,000	36,000	40,000
Cooling Capacity (Min - Max)	Btu/h	9,000 – 18,000	9,000 – 24,000	12,000 – 30,000	12,000 – 36,000	12,000 – 42,000
Heating Capacity (Rated)	Btu/h	20,000	27,000	34,000	40,000	47,000
Heating Capacity (Min - Max)	Btu/h	9,000 – 20,000	9,000 – 27,000	12,000 – 34,000	12,000 – 40,000	12,000 – 47,000
SEER		20.0	19.0	19.5	18.0	17.0
EER		14.5	13.5	13.5	12.5	12.0
HSPF		12.0	11.5	10.0	9.5	9.0
Power Supply	V/ph/Hz	208-230/1/60				
Minimum Circuit Amps	A	16.5		27.0		
Maximum Overcurrent Protection	A	20.0		30.0		
Power Consumption - Cooling	kW	1.19	1.68	2.06	2.65	3.05
Power Consumption - Heating	kW	1.41	1.98	2.53	3.03	4.02
Operating Current - Cooling	A	1.2	1.3	1.8	2.2	2.8
Operating Current - Heating	A	1.2	1.3	1.8	2.2	2.8

Indoor Units - FTQ Unitary						
Model Name		FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
External Static Pressure	"W.G.	Up to 0.50				
Airflow (H/M/L)	CFM	600/510/420	800/680/560	1,000/850/700	1,200/1,020/840	1,400/1,190/980
Piping Connections	Liquid (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 3/8	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1	Ø 1	Ø 1	Ø 1
Dimensions (H x W x D)	in.	48-1/8 x 22 x 26		58-1/4 x 22 x 26		
Net Weight	lbs.	150.0		192.0	203.0	

Outdoor Units - RZQ_PVJU9 Heat Pump						
Model Name		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
Sound Pressure Level - Cooling/Heating	dB(A)	49/49	49/49	49/49	58/58	58/58
Operating Range - Cooling	°F DB	23 - 115	23 - 115	23 - 115	23 - 115	23 - 115
Operating Range - Heating	°F DB	0 - 77	0 - 77	0 - 77	0 - 77	0 - 77
Operating Range - Heating	°F WB	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Max. Piping Length	ft.	98.0		230.0		
Max. Piping Height	ft.	98.0		164.0		
Dimensions (H x W x D)	in.	30-5/16 x 35-7/16 x 12-5/8		52-15/16 x 35-7/16 x 12-5/8		
Net Weight	lbs.	150.0		283.0		

Options	Part Number
Wired Controller	BRC1E71
Simplified remote controller	BRC2A71
Remote sensor	KRCS01-4B
Electric Heater Connection Kit	KER26A60
Electric Heater Kits	HKR-03, HKR-05C, HKR-06, HKR-08C, HKR-10C, HKR-15C
Remodeling wiring adaptor	KRP1C75 *1
Group control adaptor	KRP4A74 *2
Fixing box for options	KRP1B101 *3
External control adaptor for outdoor unit	DTA104A53 *2

*1 Need 24V AC power supply

*2 Need 16V DC power supply

*3 Fixing box is installed beside the unit

TIME-SAVING INSTALLATION

To ensure continuous heating in the harshest climates, Daikin provides electric heater options with the capacities as follow. This represents Daikin’s free of mind guarantee to ensure full compatibility within the total system offered and top performance.

Model name	Electrical heater capacity					
	3kW	5kW	6kW	8kW	10kW	15kW
FTQ18PBVJU		○	○	×	×	×
FTQ24PBVJU		○	○	○	○	×
FTQ30PBVJU			○	○	○	×
FTQ36PBVJU			○	○	○	×
FTQ42PBVJU					○	○
Operation with Heat Pump Allowed		○ Electric Heater Option Only			×Not Allowed	

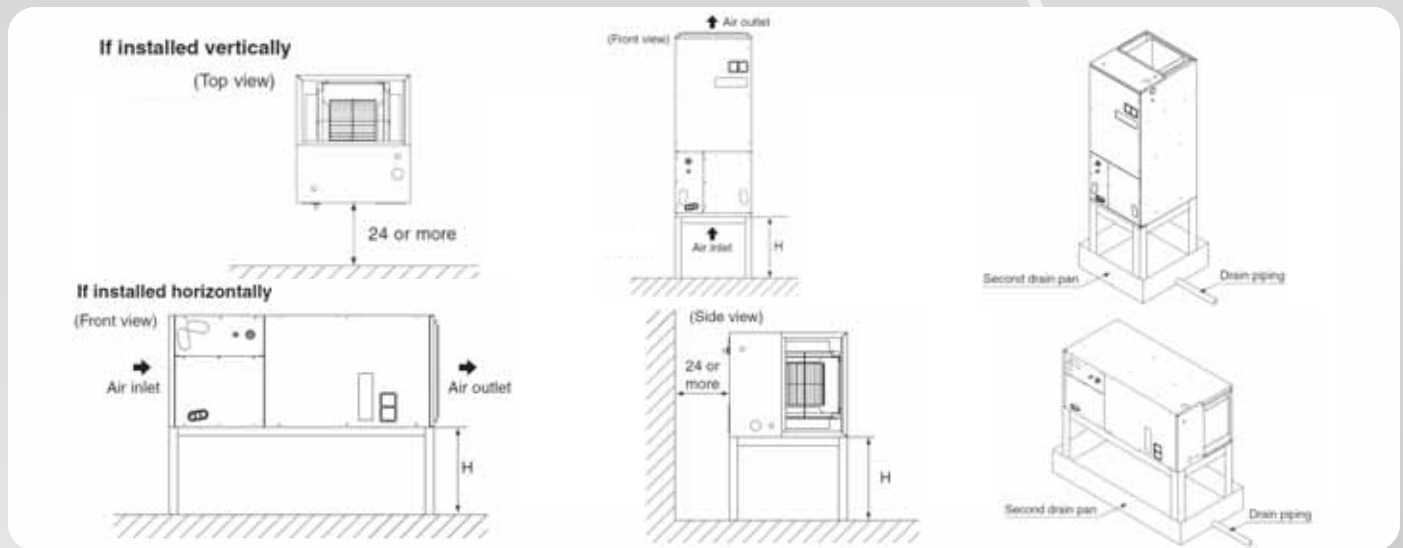
EASE OF INSTALLATION

Connected by a pair of refrigerant lines, few electrical connections, and little to no ductwork, indoor and outdoor units can be easily installed in existing spaces with minor disruption and often in a single day’s work. The compact and lightweight designs combined with flexible piping and minimal wiring allow installation with minimal time and costs.

For FTQ18/24/30/36/42PBVJU

Space required for installation (in.)
H = 19" 1/8

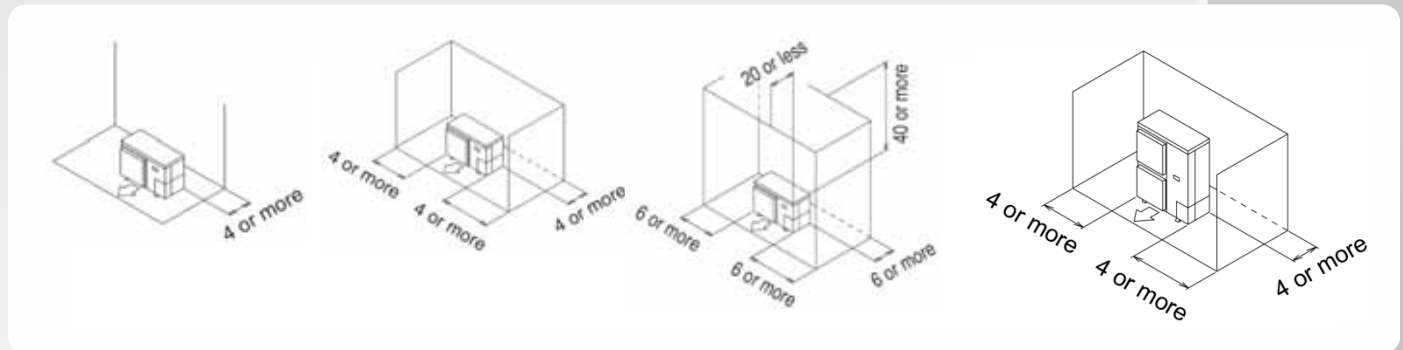
The installation of a secondary drain pan is necessary as shown below. Always refer to installation manuals for details.



For RZQ18/24/30/36/42PVJU(9)

Space required for installation (in.)

For double-fan outdoor modules, the requirements are similar in some cases. Always refer to installation manuals for details.



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.



Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org



Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION
Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.



Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.
Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM.



All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 International standard for environmental management.

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