



DAIKIN FCQ SERIES HEATING & COOLING SYSTEMS

ROUNDFLOW
CEILING-MOUNTED CASSETTE
Up to 18.6 SEER / Up to 10.2 HSPF
Up to 13.0 EER

FCQ SERIES HEATING AND COOLING SYSTEMS ROUNDFLOW CEILING-MOUNTED UNITS

Model	Indoor Unit		FCQ18PAVJU		FCQ24PAVJU		FCQ30PAVJU		FCQ36PAVJU		FCQ42PAVJU	
	Outdoor Unit (Cooling Only)		RZR18PVJU8		RZR24PVJU8		RZR30PVJU8		RZR36PVJU8		RZR42PVJU8	
	Outdoor Unit (Heat Pump)		RZQ18PVJU8		RZQ24PVJU8		RZQ30PVJU8		RZQ36PVJU8		RZQ42PVJU8	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Capacity Rated	Btu/h		18,000	20,000	23,800	27,000	30,000	33,800	36,000	40,000	41,500	47,000
COP Rated			3.88		3.59		2.7		3.0		2.9	
EER Rated			13		12		9.3		11.4		10.2	
SEER			18.6		18.5		17.2		17.6		17	
HSPF			10.1		10.2		10.2		9.0		8.6	
Piping Connections	Liquid	in. (mm)	Ø 3/8 (Ø 9.5)									
	Gas		Ø 5/8 (Ø 15.8)									
	Drain		Ø 1 (Ø 25.4)									
Max. Interunit Piping Length	ft. (m)		164 (50)					230 (70)				
Max. Interunit Height Difference			98.4 (30)					164 (50)				
Chargeless	Lbs (kg)		5.1 (2.3)					8.8 (4)				
Amount of Additional Charge of Refrigerant	lb/ft (kg/m)		Liquid piping length x 0.036 (0.0535)									
Operating Range - Cooling	° F DB		23° – 115°F									
Operating Range - Heating*	° F WD		0° – 60°F					-4° – 60°F				
Indoor Unit			FCQ18PAVJU		FCQ24PAVJU		FCQ30PAVJU		FCQ36PAVJU		FCQ42PAVJU	
Airflow Rate	H	cfm (m³/min)	560 (15.9)		780 (22.1)		830 (23.5)		1,180 (33.4)		1,220 (34.5)	
	M		470 (13.3)		620 (17.6)		670 (19)		910 (25.8)		970 (27.5)	
	L		390 (11)		470 (13.3)		530 (15)		700 (19.8)		790 (22.4)	
Fan Type			Turbo Fan									
Air Direction Control			N/A									
Air Filter			N/A									
Dimensions (H x W x D)	in. (mm)		9-11/16 x 33-1/16 x 33-1/16 (246 x 840 x 840)					11-5/16 x 33-1/16 x 33-1/16 (303 x 840 x 840)				
Weight	Lbs (kg)		43 (19.5)		48.5 (22)		55 (25)					
Sound Pressure Level (H / M / L / SL)	dB(A)		N/A									
Outdoor Unit			RZR18PVJU8 / RZQ18PVJU8		RZR24PVJU8 / RZQ24PVJU8		RZR30PVJU8 / RZQ30PVJU8		RZR36PVJU8 / RZQ36PVJU8		RZR42PVJU8 / RZQ42PVJU8	
Compressor	Motor Output	W	1,700					2,500		3,000		
Refrigerant	Type		R-410A									
	Charge	Lbs (kg)	5.1 (2.3)					8.8 (4)				
Airflow Rate	H	cfm (m³/min)	1,835 (559)					3,740 (1140)				
Dimensions (H x W x D)	in. (mm)		30-5/16 x 35-7/16 x 12-5/8 (770 x 900 x 321)					52-15/16 x 35-7/16 x 12-5/8 (1,345 x 900 x 321)				
Weight	Lbs (kg)		150 (68)					283 (128)				
Sound Pressure Level	H	dB(A)	49					58				

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

Air Adjustment Grille

KPW5E80	RZR18PVJU8, RZR24PVJU8, RZR30PVJU8, RZR36PVJU8 (x2), RZR42PVJU8 (x2)
	RZQ18PVJU8, RZQ24PVJU8, RZQ30PVJU8, RZQ36PVJU8 (x2), RZQ42PVJU8 (x2)



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.

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.

Flexibility

With space saving design, wide operation range and long pipe lengths you have maximum flexibility in your design to suit your needs.

Reliability

Daikin products are renowned for their reliability. And you can rely on service to match, with industry leading warranties.*



* Complete warranty details available from your local dealer or at www.daikincomfort.com.



Feel the difference.

Designed for absolute comfort, Daikin's roundflow cassette SkyAir units feature 360° airflow for draft reduction, 23 different possible airflow patterns for flexibility, and lower air velocities for enhanced airflow distribution, maximizing customizable comfort with true flexibility.

Hear the difference.

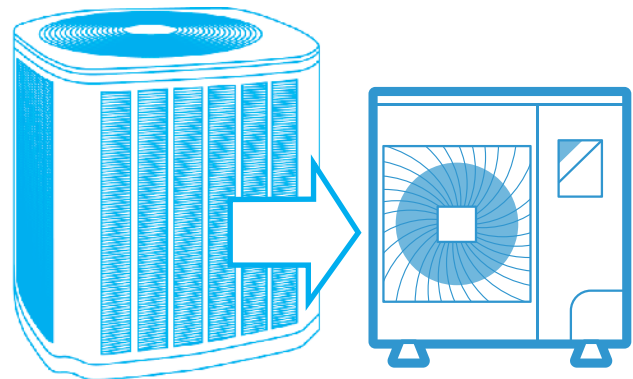
Utilizing inverter technology to maintain comfort settings, Daikin systems most often operate at low speeds with indoor sound levels as low as 27 decibels (dB) and outdoor sound levels as low as 49 dB. Activate the outdoor unit quiet operation and sound levels drop by 2-3 dB for quieter and gentler heating and cooling.

Sound levels as low as:



See the difference.

A Daikin inverter-ducted system is designed for installation where space is limited, such as with zero lot lines, or limited to roof, wall or terrace areas. The compact and lightweight design, when compared to traditional solutions allows the Daikin inverter-ducted system to be used in homes with the strictest of limitations with relative ease.



Knowledge is power.

In general, system performance is measured by a higher Seasonal Energy Efficiency Ratio (SEER) and Energy Efficiency Ratio (EER). Higher ratings mean lower operating costs. Similarly, a higher rated Heating Seasonal Performance Factor (HSPF) and Coefficient of Performance (COP) means a more efficient air-source heat pump.

Why is it 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 COP increases, the higher the efficiency — resulting in lower utility costs.

Up to	
18.6 SEER	13.0 EER
10.2 HSPF	3.88 COP <small>(Coefficient of Performance)</small>
Inverter Ducted Heat Pump Efficiency ratings	



FCQ Series

Individual comfort and control.

Individual temperature control provides comfort for the entire space. With effective cooling and heating coverage at quiet operating sound levels, these systems combine superior comfort control with lifestyle convenience all at the touch of a button

Premium comfort features:

- » Energy Efficient – 18.6 SEER, 10.2 HSPF, up to 13.0 EER – Variable Speed Inverter Compressor
- » Cooling Range 23° - 115°F
- » Heating Range -4° - 60°F
- » 23 configurable airflow patterns ensure ideal air distribution for maximized comfort and savings
- » 360° airflow reduces draft
- » Lower air velocities provide better airflow distribution
- » Stain resistant decoration panel allows for easy cleaning
- » Condensate pump provided as standard
- » Outside air integration possible
- » Optional wired controller

Outdoor unit features:



Anti-Corrosion Treatment on Heat Exchanger



Auto-Restart – The unit memorizes the operation mode, airflow and temperature settings. Should there be a power failure when the unit is in operation, it will automatically return to the same operating conditions when the power is restored.



Self-Diagnosis – In the event that a problem develops with the unit, malfunction codes can be displayed on the liquid crystal panel of the remote control for fast and easy fault diagnosis.



BRC1E73
(OPTION)

RZQ_PVJU8
RZR_PVJU8



FCQ SERIES WALL-MOUNTED ROUNDFLOW CEILING-MOUNTED CASSETTE INSTALLATION

Ease of Installation.

Connected by a pair of refrigerant lines, few electrical connections, and 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.

FCQ18/24/30/36/42PAVJU

Space required for installation (in.)

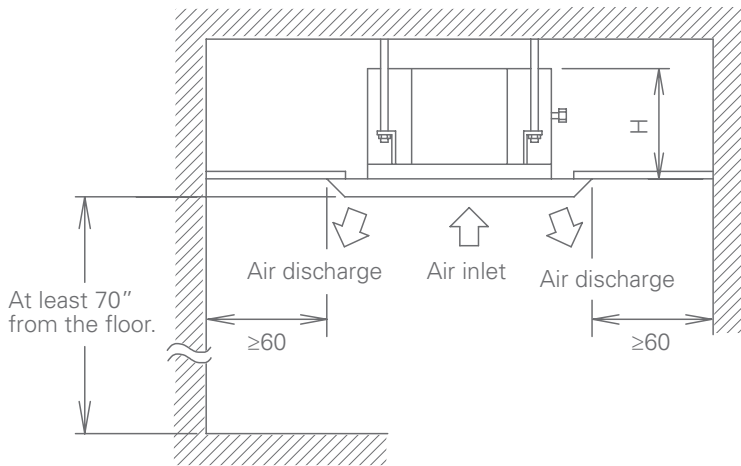


Figure 1

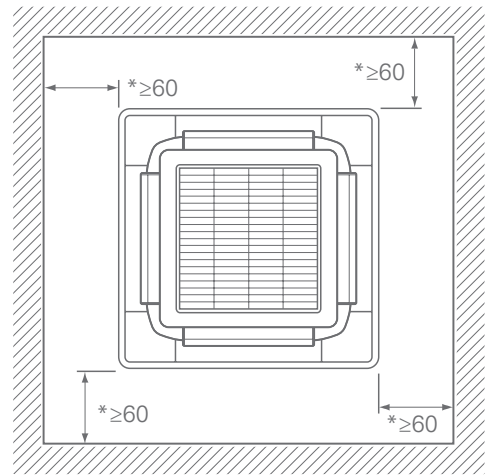


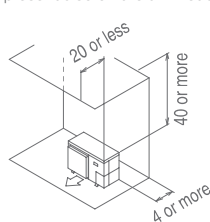
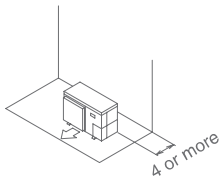
Figure 2

For RZR18/24/30/36/42PVJU8, RZQ18/24/30/36/42PVJU8

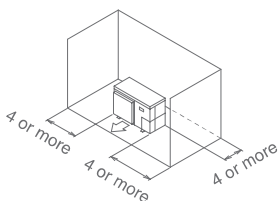
Space required for installation (in.)

(A) When an obstruction is present on the the air inlet side

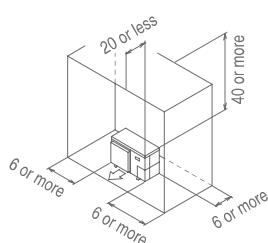
- » When the upward area is open
 - (1) When one outdoor unit is installed individually
 - » When an obstruction is present only on the air inlet side
 - (1) When one outdoor unit is installed individually
 - » When an obstruction is present also on the air inlet side



- » When an obstruction is present on both sides

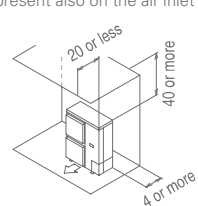
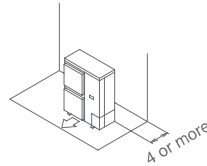


- » When an obstruction is present also on the air inlet side and both sides

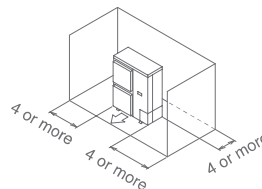


(A) When an obstruction is present on the the air inlet side

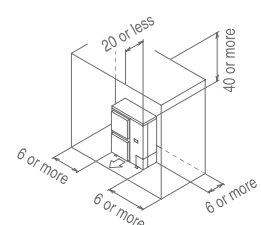
- » When the upward area is open
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 - » When an obstruction is present only on the air inlet side
 - (1) When one outdoor unit is installed individually
 - » When an obstruction is present also on the air inlet side



- » When an obstruction is present on both sides



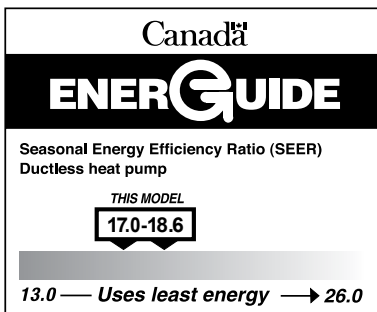
- » When an obstruction is present also on the air inlet side and both sides





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.



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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