





Information By:
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Daikin Inverter Ducted Central AC Systems – by Pacific HVAC Air conditioner

Daikin Inverter Ducted systems, the new indoor unit design along with the extended capacity range up to 42,000 Btu/h increase design flexibility and offer a cost-effective alternative to traditional high efficiency gas furnace/AC systems for residential applications. Systems offer energy efficiency levels up to SEER 20.0 and HSPF 12.5 with up to 100% heating capabilities at outdoor ambient temperatures as low as 14°F (select models), providing an energy efficient system at more affordable operating costs than traditional heat pump systems.

Indoor Type	Capacity				
	1.5 Ton 18,000 Btu/h	2.0 Ton 24,000 Btu/h	2.5 Ton 30,000 Btu/h	3.0 Ton 36,000 Btu/h	3.5 Ton 42,000 Btu/h
Indoor Unit	New FTQ18PBVJU 	New FTQ24PBVJU 	New FTQ30PBVJU 	New FTQ36PBVJU 	New FTQ42PBVJU 
Outdoor Unit	Current RZQ18PVJU9 	Current RZQ24PVJU9 	New RZQ30PVJU9 	Current RZQ36PVJU9 	Current RZQ42PVJU9 

Applications

- Perfect for new construction or replacement for a standard ducted split system
- Energy efficient option to a traditional gas furnace eliminating the need for fossil fuels
- Multiple units can be used to provide zoning in larger residences
- Long piping capabilities and low sound levels make it ideal for multi-family residence applications

Specifications and options:

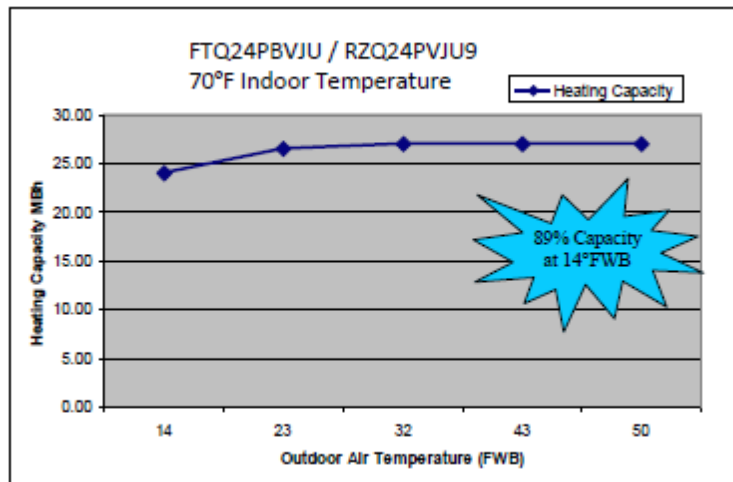
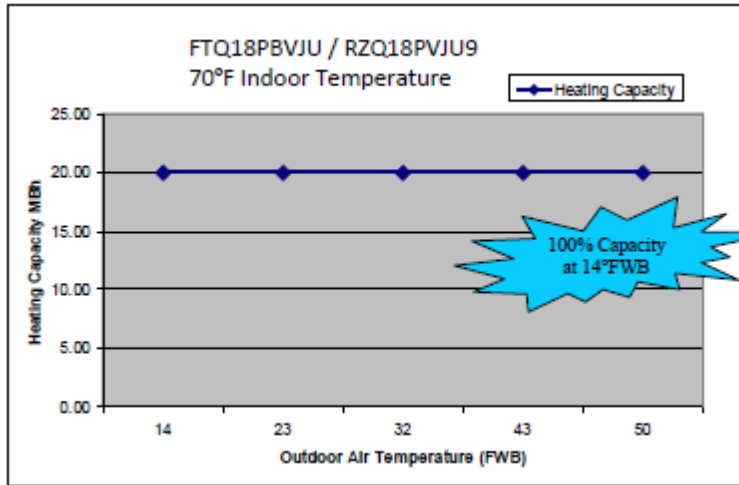
System Performance							
Model Name	Indoor		FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU
	Outdoor		RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU9	RZQ36PVJU9	RZQ42PVJU9
Cooling Capacity (Rated)	Btu/h		18,000	24,000	30,000	36,000	40,000
Cooling Capacity (Min - Max)	Btu/h		9,000 – 18,000	9,000 – 24,000	12,000 – 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	16.5	27.0	27.0	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	Ø 3/8
	Gas (O.D.)	in.	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8	Ø 5/8
	Condensate Drain	in.	Ø 1	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
Condensate Pump (18/24 MBH)	DACA-CP1-1
Condensate Pump (30/36/42 MBH)	DACA-CP2-1
Mounting Bracket	DACA-WB-3
Air Adjustment Grille	KPW5E80

Superior Heating Capacity at Low Ambient Conditions

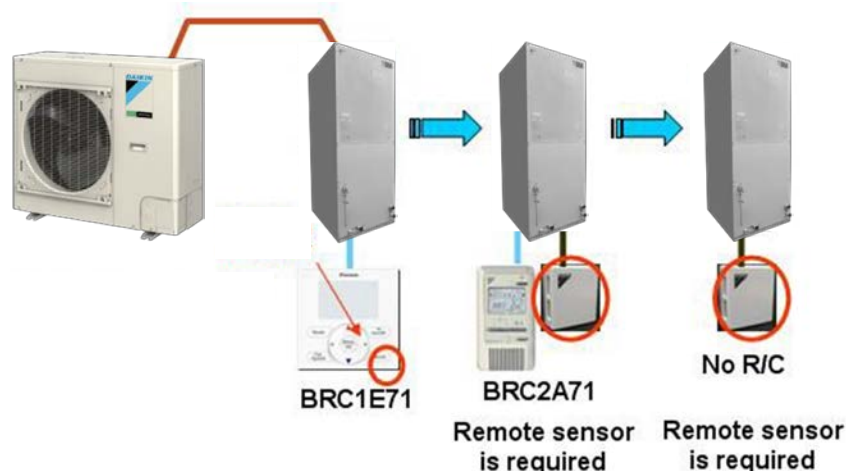
Unlike traditional residential unitary heat pump systems, which require back up heat below 45°F ambient, the Daikin Inverter Unitary Ducted system can provide heating as low as 0°F

Superior heating performance and user comfort can be realized with up to 100% capacity available at 14°FWB



Controller Configurations

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.



Electric Heater Information

- Wide line-up of field installed electric heater options from 3kW to 15kW
- Integrated heater control relays and logic to minimize cost
- Electric booster heater operation in combination with heat pump operation is now possible
- 2-stage heating control available on larger models
- 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

Model name	Electrical heater options connectivity					
	HKR – 03 3kW	HKR – 05C 5kW	HKR – 06 6kW	HKR – 08C 8kW	HKR – 10C 10kW	HKR – 08C 15kW
FTQ18PBVJU	⊙	○	○	×	×	×
FTQ24PBVJU	⊙	○	○	○	○	×
FTQ30PBVJU	⊙	⊙	○	○	○	×
FTQ36PBVJU	⊙	⊙	○	○	○	×
FTQ42PBVJU	⊙	⊙	⊙	⊙	○	○ ※

⊙: Electric heater operation with heat pump is allowed.

○: Only electric heater operation is allowed.

×: Not allowed.

※: Acceptable 2 step heating control

The operating condition of the electric heater is programmable via a field setting.