



Superior comfort
while saving energy



Duct Unit | FBQ Series

INVERTER

- » Cooling capacity 19,000 Btu/h - 54,000 Btu/hr
- » Heat pump (all models)
- » Adjustable air flow for wide range of ESP
- » Whisper quiet operation of low noise level





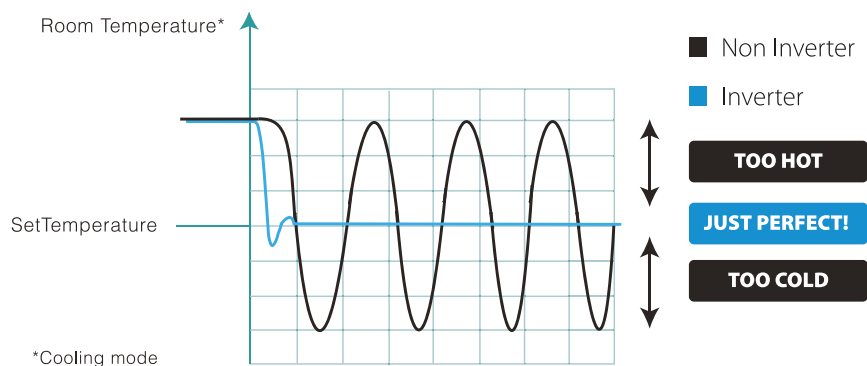
DAIKIN INVERTER technology for superior cooling performance and comfort with less energy than traditional air conditioners

What is an Inverter air conditioner? How does it work?

A conventional air conditioner-so-called ON/OFF or Non inverter-operates at a fixed speed: it delivers a fixed amount of cooling (heating) capacity via fixed compressor speed. The compressor has to continuously start and stop to maintain the desired room temperature.

An inverter air conditioner however uses advanced technology, constantly adjusting delivered capacity to meet desired room temperature, by precisely regulating the compressor speed. Any sudden temperature fluctuation in the room will be sensed and the inverter will instantly react to maintain the set temperature.

UP TO 50% ENERGY SAVING



DAIKIN INVERTER makes your environment more comfortable with less energy consumption than a Non Inverter system.

Why do you need Inverter in Saudi Arabia?

The amount of cooling (heating) required by an air conditioner depends on the outside temperature and the heat inside the room to be treated. Cooling (heating) requirements vary because outside temperatures can vary all the year long but also during the course of one day as well. You need a smart system which is able to constantly adjust delivered capacity to meet your specific requirements. Only an inverter can do that.

Advantages of INVERTER technology

- Higher Energy Efficiency all the year round.
- Powerful cooling (heating) performance.
- Year round superior comfort.
- Quieter Operation.

Powerful and
Faster Cooling:
up to 1.5x
Faster Cooling

An Inverter air conditioner utilizes intelligent controls that regulate the speed of the compressor motor to provide the required cooling with less power consumption. The precise and smooth speed control of inverter will guarantee comfortable and stable temperature, with a quieter operation.



Duct split system for "high ambient" performance: the optimized combination of efficiency, comfort and flexibility

- Higher comfort level guaranteed compared to traditional ducted indoors thanks to the unique DAIKIN automatic airflow adjustment function.
- -2fan speed control.
- Whisper quiet operation.
- Increased design flexibility thanks to a wide range of selectable ESP range: up to 200Pa.
- Reduced installation time: no balancing of dampers required thanks to the unique DAIKIN automatic airflow adjustment.
- **Standard wired remote controller.**

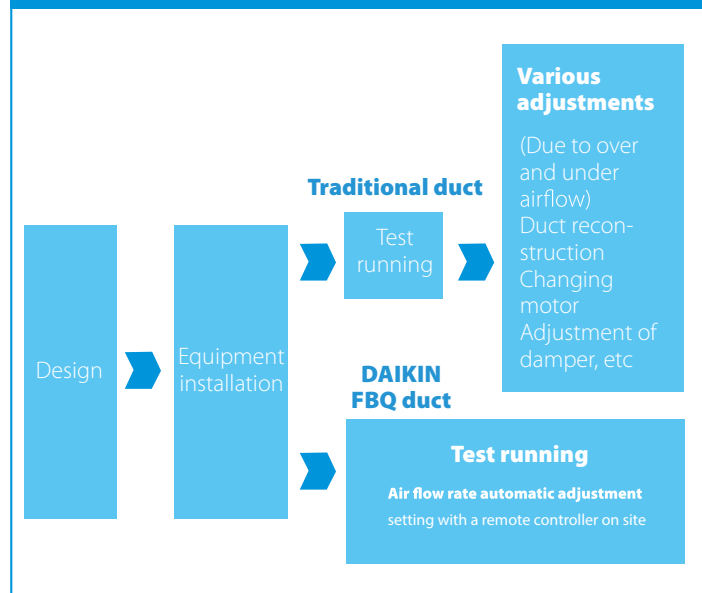


FBQ-EVA 48/45/36/24/20



BRC1D52

DAIKIN FBQ duct makes installation shorter and easier



Outdoor Unit



- Available in Heat Pump.
- Wide operating range: up to 54°CDB.
- Powerful cooling performance, even under high temperature.
- Higher nominal and seasonal energy efficiency -up to 50 % less electricity consumption Vs traditional system.
- Quick Cooling: up to 1.5 faster than traditional systems.
- Standard anti-corrosion protection

INVERTER



RZQ-LVA 20/24/36/45
RZQ-MYL 45

54°C



Outdoor Temperature (°C)

Indoor Unit			HEAT PUMP						
			FBQ20EAVAK	FBQ24EAVAK	FBQ36EAVAK	FBQ45EAVAK	FBQ45EAVAK	FBQ48EAVAK	
Outdoor Unit			RZQ20LCVAK	RZQ24LCVAK	RZQ36LCVAK	RZQ45LCVAK	RZQ45MUYLK	RZQ48MUYLK	
Indoor Unit	Nominal / Maximum Actual Cooling Capacity (*1)		Btu/h	19,000 / 24,200	21,000 / 27,640	28,500 / 38,900	34,000 / 48,790		35,000 / 53,900
	Rated / Maximum Actual Cooling Capacity (*2)		Btu/h	15,000 / 22,180	16,300 / 25,590	24,900 / 36,850	29,000 / 46,050		30,000 / 49,100
	Nominal Heating Capacity (*3)		Btu/h	23,890	27,300	37,500	47,770		51,860
	Nominal Cooling Input Power		W	1,500	1,740	2,180	2,800		2,950
	Actual Cooling Input Power		W	1,650	1,870	2,700	3,270		-
	EERT1 (*1)		Btu/h/W	12.67	12.07	13.07	12.14		11.86
	EERT3 (*2)		Btu/h/W	9.09	8.66	9.26	8.87		8.70
	COP (*3)		W/W	3.68	3.48	3.67	3.68		3.30
	Air Flow	High/Low	CFM	636 / 530		1,130 / 812	1,377 / 989		
	ESP	Standard	Pa	50					
		Maximum Available	Pa	200					
	Sound Pressure Level	High/Low (Cooling)	dBA	37 / 32		38 / 33	40 / 36		
Dimensions	Height x Width x Depth	mm	300 x 1,000 x 700			300 x 1,400 x 700			
Weight		Kg	36			46			
Outdoor Unit	Sound Pressure Level	Cooling	dBA	47		49		-	
	Dimensions	Height x Width x Depth	mm	770 x 900 x 320			1,170 x 900 x 320		
	Weight		Kg	68		98	101		
	Pipe Connection	Liquid (Flare)	in				3/8		
		Gas (Flare)	in				5/8		
	Compressor	Type	-	Hermetically Sealed Swing Type		Hermetically Sealed Scroll Type			
	Piping lengths	Total	m	50		70			
		Height difference	m				30		
	Operating Range	Max (Cooling)	°CDB				54		
	Power Supply		V/Ph/Hz	230/1/60			400/3/60		
	Min. Circuit Amps.		A	18.8		28.2		14.9	
	Max. Fuse Amps		A	20		30		16	

(*1): Cooling capacity: Indoor 27°C DB / 19°C WB - Outdoor 35°C DB. (*2): Cooling capacity: Indoor 29°C DB / 19°C WB - Outdoor 46°C DB. (*3): Heating capacity: Indoor 20°C - Outdoor 7°C DB / 6°C WB



R410-A

Zero Ozone Depletion Potential. DAIKIN is Green at heart.



Tropical Compressor

The tropical compressor is able to handle and operate fully under extreme weather conditions.



Powerful Cooling

Rapid cooling and powerful, even if outside temperature is very high.



Silence

Daikin indoor units are whisper quiet. Outdoor units are also guaranteed not to disturb the quietness of the neighborhood.



Energy Saving

Daikin offers efficient operation on its equipment for lower electricity consumption. This also contributes to reduce CO₂ emissions.



User Friendly

Easy installation, easy operating procedures and friendly shape buttons.



SASO

Saudi standards, metrology and quality organization.

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