



The World Leading Heat Pump Company



HEATING AND COOLING SOLUTIONS



LIGHT COMMERCIAL Slim Line Ducted Type FBA Series

Compact duct installation for even the narrowest of ceiling spaces

KEY FEATURES:

- Industry leading height at 245mm
- Automatic airflow adjustment
- R32 refrigerant for enhanced efficiency and lower Global Warming Potential
- ESP of up to 150 Pa

Thinner design allows greater installation flexibility

Compact units only 245 mm high mean installation is possible even in buildings with narrow ceiling spaces.

Achieving new levels of energy efficiency while responding to environmental needs, Daikin has redesigned the SkyAir series from the ground up using R-32, which has approximately a third of the global warming potential of R-410A and zero ozone depletion potential.

THINNER DESIGN, INSTALLATION FLEXIBILITY

Installation is possible even in buildings with narrow ceiling spaces. The FBA Series is of the industry's most compact bodies in the mid-static pressure range.

INDOOR UNIT	50 / 60 / 71	85 / 100 / 125 / 140
Height (mm)	245	
Width (mm)	1,000	1,400
Depth (mm)	800	

REVERSE
CYCLE

6.0kW
-TO-
16.0kW
RATED HEATING
CAPACITIES

12
MODELS
(SINGLE & THREE PHASE)



(OPTIONAL)



REUSE OF EXISTING PIPING

Simplify installation by reusing existing pipes. Reuse of existing pipes may be particularly convenient in circumstances like: pipes are buried making new pipe installations difficult; outdoor unit difficult to access; multiple units are being upgraded at the same time.



AUTOMATIC AIR FLOW ADJUSTMENT

Indoor unit enables automatically select the optimal fan curve (out of the available 15) corresponding to the duct resistance in the field.



ENERGY SAVING

New premium inverter series achieved higher EER than current inverter series with latest Daikin technology.

COMFORT OPERATION

- Switchable fan speed: 3 steps and Auto
- Silver ion anti-bacterial drain pan
- Airflow rate auto adjustment function
- Interlock control as an energy saving feature
- DIII-NET communication standard
- High Efficiency, DC fan motor and DC drain pump
- Easy maintenance
- Adjustable E.S.P. within a range of 50 Pa to 150 Pa by using a DC fan motor

SPECIFICATIONS Premium Inverter series (Single Phase)

INDOOR UNIT		FBA50BAVMA	FBA60BAVMA	FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA							
OUTDOOR UNIT		RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1							
Power Supply		Indoor/Outdoor							1 Phase, 220-240V, 50Hz						
Rated Capacity (Capacity Range)	Cool (kW)	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)							
	Heat (kW)	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)							
Power consumption		Cool (kW) / Heat (kW)		1.37 / 1.41	1.67 / 1.71	2.02 / 1.99	2.30 / 2.50	2.72 / 2.81	3.68 / 3.72	4.08 / 4.51					
E.E.R	Cool(kW)	3.65	3.60	3.51	3.70	3.68	3.40	3.43							
C.O.P	Heat (kW)	4.26	4.14	4.02	4.00	3.99	3.76	3.55							
Indoor Unit	Fan airflow rate (H / M / L)	ℓ/s		300 / 250 / 208		383 / 325 / 267		533 / 450 / 375		600 / 508 / 417					
	Fan external static pressure	m ³ /min		18.0 / 15.0 / 12.5		23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5		36.0 / 30.5 / 25.0					
	Sound pressure level (H / M / L)	dBA		35.0 / 33.0 / 31.0		38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		40.0 / 37.5 / 35.0					
	Sound power level (H)	dBA		63		66		66		68					
	Dimensions (HxWxD)	mm		245x1,000x800				245x1,400x800							
	Machine weight	kg		37				47							
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)		14 to 25 / 15 to 27											
Outdoor Unit	Compressor	Type										Hermetically sealed swing type			
	Motor output (kW)	1.30		2.40		3.30		3.30		3.90					
	Refrigerant charge (R-32)	kg (Charged for 30m)		1.35		2.60		2.90		3.75		3.90			
	Sound pressure level	Cool (dBA) / Heat (dBA)		48/51		48/50		52/53		51/53		52/54		56/58	
		Night quiet mode (dBA)		44				48		47		48		52	
	Sound power level	dBA		68		67		71		70		-		-	
	Dimensions (HxWxD)	mm		595x845x300				990x940x320				1,430x940x320			
	Machine weight	kg		45		69		78		93		99			
Certified Operation Range	Cool (°CDB) / Heat (°CWB)		-5 to 50 / -15 to 15.5												
Piping connections - Drain	Liquid (Flare) / Gas (Flare)		Ø 6.4 / Ø 12.7		Ø 9.5 / Ø 15.9										
	Indoor unit (mm)		VP25 (I.D Ø25 x O.D Ø32)												
	Outdoor unit (mm)		Ø 26.0 (Hole)												
Max. interunit piping length	m		50 (Equivalent length 70)				75 (Equivalent length 90)								
Max. installation level difference	m		30												

SPECIFICATIONS Premium Inverter series (Three Phase)

INDOOR UNIT		FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA							
OUTDOOR UNIT		RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1							
Power Supply		Indoor / Outdoor					3 Phase, 380-415V, 50Hz						
Rated Capacity (Capacity Range)	Cool (kW)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)							
	Heat (kW)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)							
Power consumption		Cool (kW) / Heat (kW)		2.02 / 1.99	2.30 / 2.50	2.72 / 2.81	3.68 / 3.72	4.08 / 4.51					
E.E.R	Cool(kW)	3.51	3.70	3.68	3.40	3.43							
C.O.P	Heat (kW)	4.02	4.00	3.99	3.76	3.55							
Indoor Unit	Fan airflow rate (H / M / L)	ℓ/s		383 / 325 / 267		533 / 450 / 375		600 / 508 / 417					
	Fan external static pressure	m ³ /min		23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5		36.0 / 30.5 / 25.0					
	Sound pressure level (H / M / L)	dBA		38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		40.0 / 37.5 / 35.0					
	Sound power level (H)	dBA		66				68					
	Dimensions (HxWxD)	mm		245x1,000x800		245x1,400x800							
	Machine weight	kg		37		47							
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)		14 to 25 / 15 to 27									
Outdoor Unit	Compressor	Type										Hermetically sealed swing type	
	Motor output (kW)	2.40		3.30		3.30		3.90					
	Refrigerant charge (R-32)	kg (Charged for 30m)		2.60		2.90		3.75		3.90			
	Sound pressure level	Cool (dBA) / Heat (dBA)		48 / 50		52 / 53		51 / 53		52 / 54		56 / 58	
		Night quiet mode (dBA)		44		48		47		48		52	
	Sound power level	dBA		67		71		70		-		-	
	Dimensions (HxWxD)	mm		990x940x320				1,430x940x320					
	Machine weight	kg		69		78		93		99			
Certified Operation Range	Cool (°CDB) / Heat (°CWB)		-5 to 50 / -15 to 15.5										
Piping connections - Drain	Liquid (Flare) / Gas (Flare)		Ø 9.5 / Ø 15.9										
	Indoor unit (mm)		VP25 (I.D Ø25 x O.D Ø32)										
	Outdoor unit (mm)		Ø 26.0 (Hole)										
Max. interunit piping length	m		75 (Equivalent length 90)										
Max. installation level difference	m		30										

- Notes:
- The rated capacity is measured in accordance with AS/NZS 3823.1.1
 - The cooling (or heating) output capacity will be reduced below the rated value as the outdoor temperature approaches the maximum (or minimum) outdoor temperature operating range limit.

- The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

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