

# SKY AIR CEILING SUSPENDED



The World Leading Heat Pump Company



## HEATING AND COOLING SOLUTIONS

# SkyAir

## LIGHT COMMERCIAL

### Ceiling Suspended Type FHA Series

Daikin's Ceiling Suspended indoor unit can keep cool even the largest of spaces without compromising wall space.

#### KEY FEATURES:

- R32 refrigerant for enhanced efficiency and lower Global Warming Potential
- Suitable for high ceilings of up to 4.3m
- Vertical auto-swing, now with 5 fan speed settings

## Comfortable airflow travels throughout the room

Daikin's SkyAir Ceiling Suspended air conditioning system can keep cool even the largest of spaces without compromising wall space. The unit can be adapted to ceiling heights of up to 4.3m (85-140BVMA models), featuring wide angle louvre (manually configured) and vertical auto swing function.

### SUITABLE FOR HIGH CEILINGS

	50-71	85/100	125/140
Standard	2.7m or less	3.8m or less	4.3m or less
High Ceiling	2.7m - 3.5m	3.8m - 4.3m	-

Note: Factory setting is **Standard**.

**High Ceiling** are set with remote controller by field setting.

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.



### SMART AIRFLOW CONTROL

Indoor units can provide 5-step and 3-step fine control of air volume. Comfort ensured by 'Auto' airflow rate that matches load level which is convenient energy-efficiency for stores with peak and quiet periods.



### ENERGY SAVING

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

### COMFORT OPERATION

- DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation.
- Auto swing (up and down) and wide-angle louvers
- Louver manually adjusts for straight or wide angle airflow
- Suitable for high ceilings
- Switchable fan speed: 5 steps and Auto
- Easy maintenance
- Oil resistance grille satisfy durability

## SPECIFICATIONS Premium Inverter series (Single Phase)

INDOOR UNIT		FHA50BAVMA	FHA60BAVMA	FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA		
OUTDOOR UNIT		RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1		
Power Supply		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)	1.42 / 1.66	1.80 / 2.09	2.12 / 2.26	2.51 / 2.75	2.78 / 3.09	3.65 / 4.06	4.13 / 4.76		
E.E.R	Cool(kW)	3.51	3.33	3.35	3.38	3.60	3.42	3.39		
C.O.P	Heat (kW)	3.62	3.39	3.54	3.63	3.62	3.45	3.36		
Indoor Unit	Airflow rate (H / HM / M / ML / L)	ℓ/s	250 / 225 / 200 / 183 / 167		342/313/283/258/233		467 / 433 / 400 / 367 / 333		517/483/450/417/383	567/525/483/442/400
		m³/min	15.0 / 13.5 / 12.0 / 11.0 / 10.0		20.5/18.8/17.0/15.5/14.0		28.0 / 26.0 / 24.0 / 22.0 / 20.0		31.0/29.0/27.0/25.0/23.0	34.0/31.5/29.0/26.5/24.0
	Sound pressure level (H / HM / M / ML / L)	dBA	37.0 / 36.0 / 35.0 / 33.5 / 32.0		38.0/37.0/36.0/35.0/34.0		42.0 / 40.0 / 38.0 / 36.0 / 34.0		44.0 / 42.5 / 41.0 / 39.0 / 37.0	46.0 / 44.0 / 42.0 / 40.0 / 38.0
	Dimensions (HxWxD)	mm	235x960x690		235x1,270x690		235x1,590x690			
	Weight	kg	25		32		38			
	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		3.75	
	Refrigerant charge (R-32)	kg (Charged for 30m)	1.35		2.60		2.90		3.90	
		Cool (dBA) / Heat (dBA)	48 / 51		48 / 50		52 / 53		51 / 53	
	Sound pressure level	Night quiet mode (dBA)	44		48		47		48	
		Sound power level	dBA	68		67		71		70
	Dimensions (HxWxD)	mm	595x845x300		69		78		93	
	Machine weight	kg	45		69		78		93	
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)	VP20 (I.D Ø20 x O.D Ø26)								
	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		FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA		
OUTDOOR UNIT		RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1		
Power Supply		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)		
	Heat (kW)	8.0 (3.5-9.0)		10.0 (4.1-11.2)		11.2 (5.1-12.5)		
Power consumption	Cool (kW) / Heat (kW)	2.12 / 2.26		2.51 / 2.75		2.78 / 3.09		
E.E.R	Cool(kW)	3.35		3.38		3.60		
C.O.P	Heat (kW)	3.54		3.63		3.62		
Indoor Unit	Airflow rate (H / HM / M / ML / L)	ℓ/s	342 / 313 / 283 / 258 / 233 / 167		467/433/400/367/333		517 / 483 / 450 / 417 / 383	
		m³/min	20.5 / 18.8 / 17.0 / 15.5 / 14.0 / 10.0		28.0/26.0/24.0/22.0/20.0		31.0/29.0/27.0/25.0/23.0/20.0	
	Sound pressure level (H / HM / M / ML / L)	dBA	38.0 / 37.0 / 36.0 / 35.0 / 34.0		42.0 / 40.0 / 38.0 / 36.0 / 34.0		44.0 / 42.5 / 41.0 / 39.0 / 37.0	
	Dimensions (HxWxD)	mm	235x1,270x690		235x1,590x690			
	Weight	kg	32		38			
	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			
	Refrigerant charge (R-32)	kg (Charged for 30m)	2.60		2.90			
		Cool (dBA) / Heat (dBA)	48 / 50		52 / 53			
	Sound pressure level	Night quiet mode (dBA)	44		48			
		Sound power level	dBA	67		71		
	Dimensions (HxWxD)	mm	990x940x320		1,430x940x320			
	Machine weight	kg	69		78			
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)	VP20 (I.D Ø20 x O.D Ø26)						
	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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