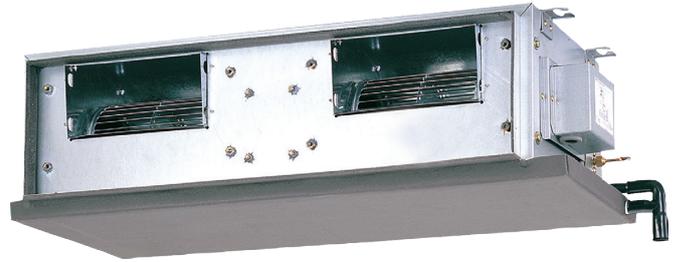




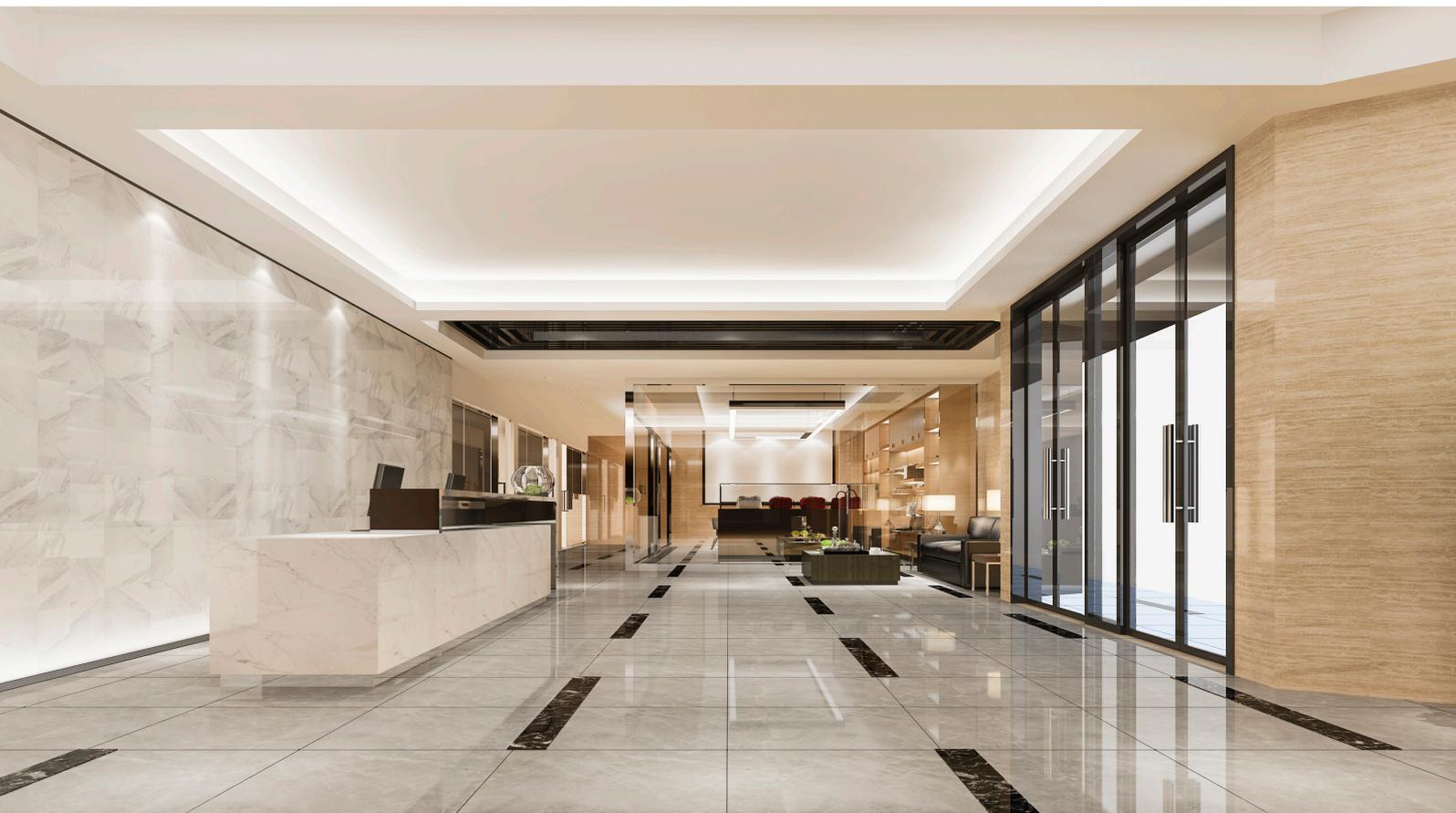
PLXSHK1503F

# SkyAir



## Ceiling Concealed

FDBR, FDMR Series



 COOLING ONLY [50Hz] 220V-240V, 380V-415V

**R-410A**



## Space Saving & Prestigious

### Flexibility in System Design

The unit comes with 4-speed motor as standard (for class 71 and above), thus providing wide choices of external static range for designing the duct system.

### Excellent Air Distribution

The conditioned air can be distributed evenly to every corner of the room through ducting. This helps to create a pleasant environment and maintaining comfort. Furthermore, multiple areas can be conditioned simultaneously by using just one indoor unit.

### Complies with Hong Kong Fire Regulation

The parts in the indoor unit are all designed based on the Hong Kong Fire Regulation, for example, metal fan motor, insulation material, metal drain pan, etc. which will be suitable for the usage of public area in Hong Kong.

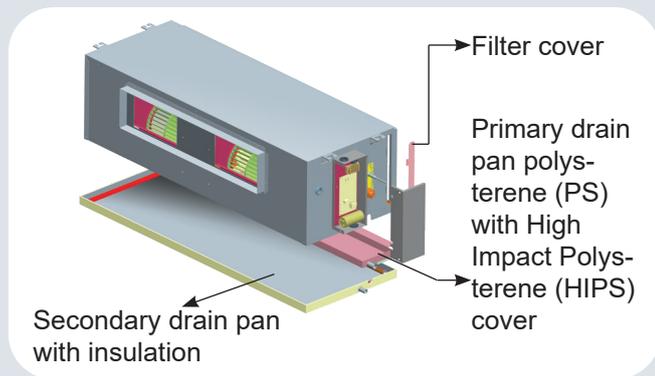


## Serviceability Friendly

The unit's design enables access to control box and filters from the side panel for easy serviceability.

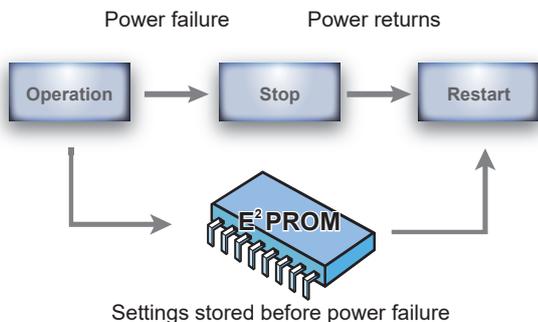
## Double Drain Pan Protection

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan built into the standard unit offers extra protection against possible water leaking problems.



## Auto Random Restart with Last-State-Memory

In the event of a sudden power failure during operation, unit restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.



## Wired Remote Controller as Standard

Compact and user friendly.



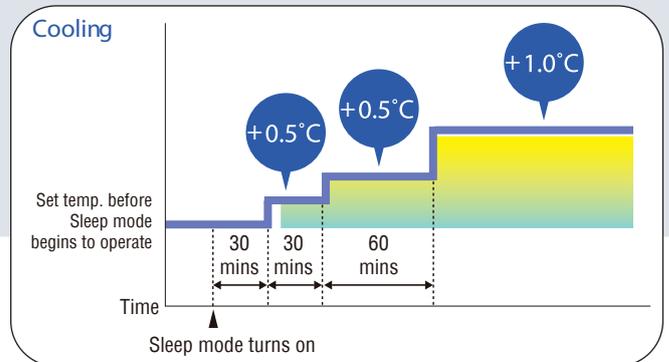
BRC51A

## Self Diagnosis Feature

The microprocessor provides the possibility to detect and diagnose any faults that occur in the system. Faults are displayed as error codes in the wired controller. This eases troubleshooting process.

## Sleep Mode

Pressing the Sleep button activates the Sleep Mode. This function prevents excessive cooling for a pleasant sleep.



Cooling operation:

- 1) After 30 minutes, room temperature is raised by 0.5°C.
- 2) After 60 minutes, room temperature is raised by 0.5°C.
- 3) After 120 minutes, room temperature is raised by 1°C.

# Ceiling Concealed C Series (50Hz)



FDBR25/35BV1H  
FDBR50/60AXV1H  
FDMR71/100/125/140/160AXV1H



RN25/35BV1H



RR71BV19  
RR71BY19



RN50/60BV19



RR100/125/140/160BY19

- > Excellent air distribution
- > Flexibility in system design
- > Auto random restart with last-state-memory
- > Sleep mode
- > Double protection drainage system
- > Self diagnosis feature
- > Wired handset BRC51A62 supplied as standard

## Specification for Ceiling Concealed - Cooling only (R410A)

Model	Indoor Unit		FDBR25BV1H	FDBR35BV1H	FDBR50AXV1H	FDBR60AXV1H	FDMR71AXV1H		
	Outdoor Unit		RN25BV1H	RN35BV1H	RN50BV19	RN60BV19	RR71BV19		
Operating Limit	°C		19~46	19~46	19~46	19~46	19~46		
Cooling Capacity	Btu/h		9,000	12,500	18,000	20,800	28,000		
	W		2640	3660	5280	6100	8210		
Total Input Power	W		910	1295	1760	2080	3000		
Total Running Current	A		4.04	5.77	7.75	9.24	13.80		
EER	W/W		2.90	2.83	3.00	2.93	2.74		
Power Supply	V/Ph/Hz		220-240/1/50						
			Power from Outdoor						
Indoor Unit	Airflow	SH	CFM	-	-	-	-	760	
		H	CFM	250	410	570	690	710	
		M	CFM	235	370	540	640	650	
		L	CFM	210	350	450	520	600	
	External Static Pressure	Std (SH/H/ML)	Pa	-/29/20/10	-/29/20/10	-/29/20/10	-/29/20/10	70/61/51/44	
	Sound Pressure Level	SH	dB(A)	-	-	-	-	42	
			H	dB(A)	36	31	41	42	41
			M	dB(A)	33	24	40	41	38
			L	dB(A)	30	21	36	37	34
Unit Dimensions (HxWxD)	Unit	mm	261 x 797 x 411	261 x 905 x 411	261 x 1065 x 411	261 x 1200 x 411	285 x 1001 x 600		
	Packaging	mm	376 x 951 x 541	376 x 1091 x 541	376 x 1251 x 541	376 x 1386 x 541	343 x 1130 x 682		
Machine Weight	Unit	kg	18.0	22.0	24.0	26.0	40.0		
Outdoor Unit	Sound Pressure Level		dB(A)	46	48	52	52	58	
	Unit Dimensions (HxWxD)	Unit	mm	550 x 658 x 273		651 x 855 x 328		753 x 855 x 328	
		Packaging	mm	610 x 781 x 363		717 x 998 x 423		817 x 998 x 428	
Machine Weight		kg	28	29	43	47	57		
Piping Connections	Liquid	mm	6.35	6.35	6.35	6.35	9.52		
	Gas	mm	9.52	12.7	12.7	15.88	15.88		
Maximum Piping Length	m		20	20	30	30	45		
Maximum Piping Elevation	m		10	10	15	15	25		

# Ceiling Concealed C Series (50Hz)



FDBR25/35BV1H  
FDBR50/60AXV1H  
FDMR71/100/125/140/160AXV1H



RN25/35BV1H



RR71BV19  
RR71BY19



RN50/60BV19



RR100/125/140/160BY19

- > Excellent air distribution
- > Flexibility in system design
- > Auto random restart with last-state-memory
- > Sleep mode
- > Double protection drainage system
- > Self diagnosis feature
- > Wired handset BRC51A62 supplied as standard

## Specification for Ceiling Concealed - Cooling only (R410A)

Model	Indoor Unit			FDMR71AXV1H	FDMR100AXV1H	FDMR125AXV1H	FDMR140AXV1H	FDMR160AXV1H	
	Outdoor Unit			RR71BY19	RR100BY19	RR125BY19	RR140BY19	RR160BY19	
Operating Limit	°C			19~46	19~46	19~46	19~46	19~46	
Cooling Capacity	Btu/h			28,000	36,000	42,000	46,000	55,000	
	W			8210	10550	12310	13480	16120	
Total Input Power	W			2955	3800	4500	5100	5758	
Total Running Current	A			5.30	6.20	7.13	8.68	9.40	
EER	W/W			2.78	2.78	2.74	2.64	2.80	
Power Supply	V/Ph/Hz			380-415/3/50					
				Power from Outdoor					
Indoor Unit	Airflow	SH	CFM	760	1280	1280	1430	1720	
		H	CFM	710	1160	1160	1300	1530	
		M	CFM	650	1020	1020	1200	1340	
		L	CFM	600	920	920	1150	1200	
	External Static Pressure	Std (SH/H/M/L)	Pa	70/61/51/44	70/57/43/36	70/57/43/36	70/58/49/45	70/55/42/34	
		Sound Pressure Level	SH	dB(A)	42	52	52	50	51
			H	dB(A)	41	49	49	48	49
			M	dB(A)	38	47	47	46	47
	L		dB(A)	34	45	45	44	45	
	Unit Dimensions (HxWxD)	Unit	mm	285 x 1001 x 600	305 x 1306 x 638			378 x 1369 x 541	378 x 1569 x 541
Packaging		mm	343 x 1130 x 682	355 x 1461 x 727			415 x 1489 x 623	415 x 1693 x 623	
Machine Weight	Unit	kg	40.0	49.0	49.0	50.0	56.0		
Outdoor Unit	Sound Pressure Level		dB(A)	58	58	58	60	65	
	Unit Dimensions (HxWxD)	Unit	mm	753 x 855 x 328	852 x 1030 x 428				
		Packaging	mm	817 x 998 x 428	995 x 1136 x 516				
	Machine Weight		kg	56	71	95	98	105	
Piping Connections	Liquid	mm	9.52	9.52	9.52	9.52	9.52		
	Gas	mm	15.88	15.88	15.88	15.88	19.05		
Maximum Piping Length		m	45	50	50	50	35		
Maximum Piping Elevation		m	25	30	30	30	15		

## Standard Features

### Comfort



Dry Mode - Keeping the room dehumidified, while maintaining room temperature



Sleep Mode

### Airflow



Selectable Fan Speed - Different fan speed is available for comfort selection

### Indoor Air Quality



Washable Saranet Filter (Optional) - Removal of air-borne dust particles through saranet filter ensures cleaner air supply.

### Condenser fin type



Anti Corrosion Hydrophilic Gold Fin

### Controller



Comes with wired controller

### Power supply



Power from outdoor

## BRC51A Wired Remote Controller (LCD)

## BRC52A Wireless Remote Controller (optional)

### BRC51A62 - Cooling only

### BRC52A62 - Cooling only



#### Features:

- Cool/Fan/Dry mode
- Auto/High/Med/Low fan speed
- Temperature operate in °C and °F
- Sleep function
- Air swing function
- Real time clock and day display
- 7-days programmable timer
- Error indicator
- Keylock and fan-lock features
- Batteries backup and retain setting during power failure
- Last state memory (memory backup setting from main board)
- Delay timer (1 or 2 hours)
- Interaction with wireless handset (BRC52A62)

#### Features:

- "Glow in the dark" on/off button
- Cool/Fan/Dry mode
- Auto/High/Med/Low fan speed
- Sleep function
- Air swing function
- Real time clock
- On/off timer setting in real time



Dealer

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