

# FCMF/FCVF-A SERIES

Cooling Only



Cassette air conditioner with 360° uniform airflow sets the standard

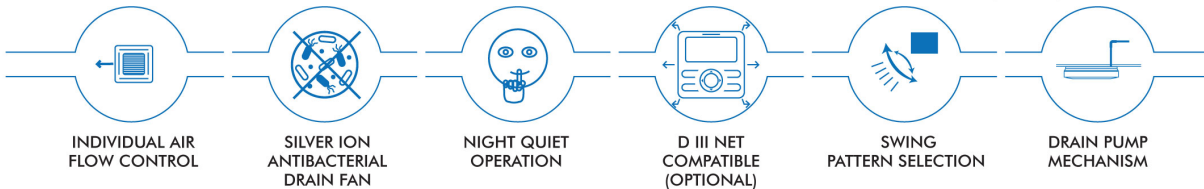
NEW

ROUND FLOW



NEW

**FCMF50/71/90/100/125/140** (5 star) with sensing  
**FCVF-A50/71/90/100/125/140** (4 star) w/o sensing



<b>FCMF50-140</b>	5.0 k W ~ 14.0 kW	(Cooling only)
<b>FCVF-A50-140</b>	5.0 k W ~ 14.0 kW	(Cooling only)

## NAVIGATION REMOTE CONTROLLER (Wired Remote Controller)

**NEW**  
**BRC1E63**  
 Note: Remote controller cable is not included and must be obtained locally.  
 #For individual air flow direction control wired remote BRC1E63 is required

## WIRELESS LCD REMOTE CONTROLLER A signal receiver must be added to the indoor unit.

**NEW**

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver are sold as separate accessories.

**BRC7M632F-6** (White)

**BRC4M150W16** (White)

## PANEL VARIATIONS

**1**

Standard panel (Fresh white)  
BYCQ125EAF6

**2**

Standard panel with sensing (Fresh white)  
BYCQ125EEF6

**3**

Designer panel (Fresh white)  
BYCQ125EAPF

**4**

Auto grille panel (Fresh white)  
BYCQ125EASF

**5**

Standard panel (Black)  
BYCQ125EAK

**6**

Standard panel with Sensing (Black)  
BYCQ125EEK

**Panel compatibility:-**

FCMF series: **2 4 6**

FCVF-A series: **1 3 4 5**

#A dedicated wireless remote controller is supplied with auto grille panel.  
 Note: When opting black panel, wireless remote controller will be BRC7M634K.

# SPECIFICATIONS

## New Round Flow Cassette (Cooling Only)



Model Name	Indoor unit		FCMF50ARV16	FCMF71ARV16	FCMF90ARV16	FCMF100ARV16	
	Outdoor unit		RZMF50BRV16	RZMF71BRV16	RZMF90BRV16	RZMF100BRV16	
Remote	Wireless	Optional	BRC4M150W16				
	Signal Receiver Unit - Model Number		BRC7M632F-6				
	Wired	Optional	BRC1E63				
Panel Code	Standard Without Sensing		BYCQ125EAF6				
Power supply			230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	
Cooling capacity -Rated (min ~max)		kW	5.0 (3.2 ~5.6)	7.1 (3.2 ~8.0)	9.0 (4.5 ~10.1)	10.0 (5.0 ~11.2)	
Power consumption	Cooling-Rated	kW	1.27	1.90	2.42	2.91	
Annual Power Consumption			744.87	1057.11	1365.2	1665.15	
ISEER / Stars	Wh/Wh		5.2	5.2	5.1	4.65	
Indoor unit	Colour	Galvanized Steel Plate					
	Airflow rate (H/HM/M/ML/L)	m³/min	23 / 21 / 18.5 / 16 / 13.5			34.5 / 31 / 27.5 / 24 / 20	
		cfm	812/742/653/565/477				
	Sound level (H/HM/M/ML/L)	dB(A)	37 / 34.5 / 32 / 29.5 / 27.5			45 / 41.5 / 38 / 35 / 32.5	
	Dimensions (HXWXD)	Unit	mm	256X840X840			298X840X840
	Machine weight	Panel	mm	50X950X950			
	Unit	kg	22			25	
	Panel	kg	5.5				
Outdoor unit	Colour	Ivory White					
	Compressor	Type	Hermetically Sealed Swing Type				
		Motor output	kW	1.3	1.3	1.6	1.6
	Refrigerant	R32					
	Refrigerant charge	kg	1.09	1.3	2.8	2.8	
	Sound level	Cooling	dB(A)	48	50	51	51
Dimensions (HXWXD)	mm		595x845x300	595x845x300	990x940x320	990x940x320	
Machine weight	kg		36.5	40	57	57	
Certified operation range	°CDB		21 ~ 48				
Piping connections	Liquid (Flare)	mm		9.52			
	Gas (Flare)	mm		15.88			
	Drain	mm		Dia 26 (Hole)			
	Max. interunit piping length	m		30	30	50	50
Max. installation level difference	m		20	20	30	30	

Note :

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star rating is applicable for single phase units upto a rated cooling capacity of 10,465 Watts as defined by Bureau of Energy Efficiency, Ministry of Power.

## New Round Flow Cassette (Cooling Only)



Model Name	Indoor unit		FCMF125ARV16	FCMF125ARV16	FCMF140ARV16	FCMF140ARV16	
	Outdoor unit		RZMF125BRV16	RZMF125BRV16	RZMF140BRV16	RZMF140BRV16	
Remote	Wireless	Optional	BRC4M150W16				
	Signal Receiver Unit - Model Number		BRC7M632F-6				
	Wired	Optional	BRC1E63				
Panel Code	Standard Without Sensing		BYCQ125EAF6				
Power supply			230V/50Hz/1ph	400V/50Hz/3ph	230V/50Hz/1ph	400V/50Hz/3ph	
Cooling capacity -Rated (min ~max)		kW	12.5 (5.7 ~14.0)	12.5 (5.7 ~14.0)	14.0 (6.2 ~15.5)	14.0 (6.2 ~15.5)	
Power consumption	Cooling-Rated	kW	4.60	4.225	5.80	5.30	
Annual Power Consumption	kWh		NA				
ISEER / Stars	Wh/Wh		NA				
Indoor unit	Colour	Galvanized Steel Plate					
	Airflow rate (H/HM/M/ML/L)	m³/min	36.5 / 33 / 29 / 25 / 21				
		cfm	1288/1165/1024/883/742				
	Sound level (H/HM/M/ML/L)	dB(A)	46 / 43 / 40 / 36 / 32.5				
	Dimensions (HXWXD)	Unit	mm	298X840X840			
	Machine weight	Panel	mm	50X950X950			
	Unit	kg	25				
	Panel	kg	5.5				
Outdoor unit	Colour	Ivory White					
	Compressor	Type	Hermetically Sealed Swing Type				
		Motor output	kW	2.4	2.4	2.4	2.4
	Refrigerant	R32					
	Refrigerant charge	kg	3.1	3.1	3.1	3.1	
	Sound level	Cooling	dB(A)	55	55	55	55
Dimensions (HXWXD)	mm		990x940x320	990x940x320	990x940x320	990x940x320	
Machine weight	kg		69	69	69	69	
Certified operation range	°CDB		21 ~ 48				
Piping connections	Liquid (Flare)	mm		9.52			
	Gas (Flare)	mm		15.88			
	Drain	mm		Dia 26 (Hole)			
	Max. interunit piping length	m		50	50	50	50
Max. installation level difference	m		30	30	30	30	

Note :

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star rating is applicable for single phase units upto a rated cooling capacity of 10,465 Watts as defined by Bureau of Energy Efficiency, Ministry of Power.

## SPECIFICATIONS (Contd.)

## Round Flow Ceiling Mounted Cassette Type (Cooling Only)



Model Name	Indoor unit		FCVF50ARV16	FCVF71ARV16	FCVF90ARV16	FCVF100ARV16	
	Outdoor unit		RZVF50BRV16	RZVF71BRV16	RZVF90BRV16	RZVF100BRV16	
Remote	Wireless	Optional	BRC4M150W16				
	Signal Receiver Unit - Model Number		BRC7M632F-6				
	Wired	Optional	BRC1E63				
Panel Code	Without Sensing		BYCQ125EAF6				
Power supply			230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	
Cooling capacity -Rated (min ~max)		kW	5.0 (3.2 ~ 5.6)	7.1 (3.2 ~ 8.0)	9.0 (4.5 ~ 10.1)	10.0 (5.0 ~ 11.2)	
Power consumption	Cooling-Rated	kW	1.52	2.235	2.58	3.16	
Annual Power Consumption		kWh	889.62	1264.11	1565.65	1839.63	
ISEER / Stars		Wh/Wh	4.35	4.35	4.45	4.21	
Indoor unit	Colour		Galvanized Steel Plate				
	Airflow rate (H/HM/M/ML/L)	m <sup>3</sup> /min	23 / 21 / 18.5 / 16 / 13.5		34.5 / 31 / 27.5 / 24 / 20		
		cfm	812/742/653/565/477		1218/1095/971/848/706		
	Sound level (H/HM/M/ML/L)	dB(A)	37 / 34.5 / 32 / 29.5 / 27.5		45 / 41.5 / 38 / 35 / 32.5		
	Dimensions (HXWXD)	Unit	mm	256X840X840		298X840X840	
		Panel	mm	50X950X950			
	Machine weight	Unit	kg	22		25	
Panel		kg	5.5				
Outdoor unit	Colour		Ivory White				
	Compressor	Type	Hermetically Sealed Swing Type				
		Motor output	kW	1.3	1.3	1.6	1.6
	Refrigerant		R32				
	Refrigerant charge	kg	1.09	1.3	2.8	2.8	
	Sound level	Cooling	dB(A)	48	50	51	51
	Dimensions (HXWXD)		mm	595x845x300	595x845x300	990x940x320	990x940x320
Machine weight		kg	36.5	40	57	57	
Certified operation range		°CDB	21 ~ 48				
Piping connections	Liquid (Flare)	mm	9.52				
	Gas (Flare)	mm	15.88				
	Drain	mm	Dia 26 (Hole)				
Max. interunit piping length	m	30	30	50	50		
Max. installation level difference	m	20	20	30	30		

Note :

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star rating is applicable for single phase units upto a rated cooling capacity of 10,465 Watts as defined by Bureau of Energy Efficiency, Ministry of Power.

## Round Flow Ceiling Mounted Cassette Type (Cooling Only)



Model Name	Indoor unit		FCVF125ARV16	FCVF125ARV16	FCVF140ARV16	FCVF140ARV16	
	Outdoor unit		RZVF125BRV16	RZVF125BRV16	RZVF140BRV16	RZVF140BRV16	
Remote	Wireless	Optional	BRC4M150W16				
	Signal Receiver Unit - Model Number		BRC7M632F-6				
	Wired	Optional	BRC1E63				
Panel Code	Without Sensing		BYCQ125EAF6				
Power supply			230V/50Hz/1ph	400V/50Hz/3ph	230V/50Hz/1ph	400V/50Hz/3ph	
Cooling capacity -Rated (min ~max)		kW	12.5 (5.7 ~ 14.0)	12.5 (5.7 ~ 14.0)	14.0 (6.2 ~ 15.5)	14.0 (6.2 ~ 15.5)	
Power consumption	Cooling-Rated	kW	4.70	4.35	5.90	5.50	
Annual Power Consumption		kWh	NA				
ISEER / Stars		Wh/Wh	NA				
Indoor unit	Colour		Galvanized Steel Plate				
	Airflow rate (H/HM/M/ML/L)	m <sup>3</sup> /min	36.5 / 33 / 29 / 25 / 21				
		cfm	1288/1165/1024/883/742				
	Sound level (H/HM/M/ML/L)	dB(A)	46 / 43 / 40 / 36 / 32.5				
	Dimensions (HXWXD)	Unit	mm	298X840X840			
		Panel	mm	50X950X950			
	Machine weight	Unit	kg	25			
Panel		kg	5.5				
Outdoor unit	Colour		Ivory White				
	Compressor	Type	Hermetically Sealed Swing Type				
		Motor output	kW	2.4	2.4	2.4	2.4
	Refrigerant		R32				
	Refrigerant charge	kg	3.1	3.1	3.1	3.1	
	Sound level	Cooling	dB(A)	55	55	55	55
	Dimensions (HXWXD)		mm	990x940x320	990x940x320	990x940x320	990x940x320
Machine weight		kg	69	69	69	69	
Certified operation range		°CDB	21 ~ 48				
Piping connections	Liquid (Flare)	mm	9.52				
	Gas (Flare)	mm	15.88				
	Drain	mm	Dia 26 (Hole)				
Max. interunit piping length	m	50	50	50	50		
Max. installation level difference	m	30	30	30	30		

Note :

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star rating is applicable for single phase units upto a rated cooling capacity of 10,465 Watts as defined by Bureau of Energy Efficiency, Ministry of Power.