

**TECHNICAL SPECIFICATIONS 3 STAR INVERTER 3x3 CASSETTE AC
(FCFQ-SERIES WITH "KATAI" TECHNOLOGY)**



Nominal Capacity		TR	1.5	2	2.5	3	3.5	4
Model Name	Indoor Unit		FCFQ50AV16	FCFQ71AV16	FCFQ90AV16	FCFQ100AV16	FCFQ125AV16	FCFQ140AV16
	Outdoor Unit		RZFQ50AV16	RZFQ71AV16	RZFQ90AV16	RZFQ100AV16	RZFQ125AV16	RZFQ140AV16
Remote Control	Wireless(Optional)	Model No.	BRC91A152					
	Wired(Optional)	-----	BRC7M632F-6					
Decorative Panel	Model Name	-----	BYCQ125EAF6 (Non Sensi)					
	Rated Cooling Capacity	kW	5.3	7.1	9	10.5	12.5	14
Performance	Min--Max Capacity	kW	1.8--5.3	2.2--7.1	4.5--10.1	5.0--10.5	5.7--14.0	6.2--14.0/6.2--15.5
	Rated Power Input	kW	1420	2350	2820	3430	4600/4450	5480/5250
	ISEER	Wh/Wh	3.99	3.99	3.99	3.66	3.66/3.65	3.66/3.65
	Annual Power Consumption	kWh	1022.39	1378.89	1745.56	2221.32	2652.48	2971.47
	BEE Star Rating	Star	3-Star					
	Operating Range	IDU (DB)°C	19--35					
		ODU (DB)°C	19--50					
	Power Supply	V/Hz/ph	230V/50Hz/1ph			400V/50Hz/3ph		
	Refrigerant	-----	R-32					
	Indoor Unit	Casing Size	HxWxD (mm)	256x840x840		298x840x840		
Casing Color		-----	Galvanized Steel Coated					
Air Flow Rate (Hi)		cfm (H/HM/M/ML/L)	812/741/653/565/476		1218/1095/972/848/707		1288/1165/1025/883/742	
Fan Speed		Nos	5					
Sound Pressure Level		dBA (H/HM/M/ML/L)	39/37/34/32/30		47/43.5/40/37/34.5		48/45/42/38/34.5	
Unit Weight		kg	22		25			
Liquid Piping Dia.		mm	6.35	6.35	9.52			
Gas Piping Dia.		mm	12.7	15.8	15.88			
Max Total Pipe Length		mt.	20	30/50	30/50	30/50	30/50	
Chargeless Pipe Length		mt.	10	10	10	10	10	
Standard Pipe Length		mt.	7.5	7.5	7.5			
Max. Level Difference		mt.	15	20/30	20/30	20/30	20/30	
Drain		mm	Dia 26 (Hole)		Dia 26 (Hole)		Dia 26 (Hole)	
(Fresh White)		Size	HxWxD (mm)	50x950x950				
Outdoor Unit		Weight	kg	5.5				
	ODU Shape	-----	Side Discharge					
	ODU Qty.	Nos.	1					
	Casing Size	HxWxD (mm)	595x845x300	695x930x350		990x940x320		
	Sound Pressure Level	dBA	52	52	52	55/57	55/57	
	Compressor	Type/Qty-Nos.	Swing Compressor/1					
	HE Type	-----	KATAI Technology					
	Precharge & Service Valve	-----	Yes					
	Installation Kit	-----	No					
	Weight(Approx)	kg	32	40	48/44	48/44	68/62	68/62

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (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.
4. Star Rating is now applicable under Voluntary phase for Three phase units above a rated capacity of 10,465 watts as defined by Bureau of Energy Efficiency, Ministry of Power.

TECHNICAL SPECIFICATIONS 2 STAR 3x3 CASSETTE AC (FCQF-SERIES FIXED SPEED)



Nominal Capacity		TR	1.5	2.0	2.5	3.0	3.5	4.0
Model Name	Indoor Unit		FCQF18ARV16	FCQF24ARV16	FCQF30ARV16	FCQF36ARV16	FCQF42ARV16	FCQF48ARV16
	Outdoor Unit		RGVF18ASV16	RGVF24ASV16	RGVF30ASV16	RGVF36ASV16	RGVF42BSV16	RGVF48BSV16
Remote	Wireless	Optional	ARC91A151					
	Wired	Optional	3P654629-1(BRC1F91)					
Panel Code	Model Number		BYCQ48EAF6					
Star Rating			2	2	2	2	2	2
Power Supply	Indoor Unit		1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz
	Outdoor Unit		1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	3 Phase, 230 V, 50 Hz	3 Phase, 230 V, 50 Hz
Cooling Capacity -Rated		kW	5.30	7.03	8.79	10.51	12.31	13.36
Power Consumption	Cooling-Rated	Watt	1452	1926	2410	3140	3910	4200
Annual Power Consumption	Cooling-Rated	kWh	1124	1490.93	1865.6	2428.37	3024.44	NA
ISEER		Wh/Wh	3.65	3.65	3.65	3.35	3.15	3.26
Indoor Unit	Air Flow Rate (H/HM/M/ML/L)	m³/min	23/21/18.5/16/13.5	23/21/18.5/16/13.5	34.5/31/27.5/24/20	34.5/31/27.5/24/20	36.5/33/29/25/21	36.5/33/29/25/21
		cfm	812/742/653/565/477	812/742/653/565/477	1218/1095/971/848/706	1218/1095/971/848/706	1288/1165/1024/882/742	1288/1165/1024/882/742
	Sound Level (H/L)	dBA	37/34.5/32/29.5/27.5	37/34.5/32/29.5/27.5	45/41.5/38/35/32.5	45/41.5/38/35/32.5	45/41.5/38/35/32.5	46/43/40/36/32.5
	Dimensions Unit (HxWxD)	mm	256x840x840	256x840x840	298x840x840	298x840x840	298x840x840	298x840x840
	Dimensions Panel (HxWxD)	mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Machine Weight	kg	22	22	25	25	25	25
	Panel Weight	kg	5.5	5.5	5.5	5.5	5.5	5.5
Outdoor Unit	Compressor	Type	-----	Rotary	Rotary	Rotary	Rotary	Scroll
		Motor Output	kW	1.3	1.3	1.6	1.6	1.6
	Refrigerant Name	-----	R-32	R-32	R-32	R-32	R-32	R-32
	Sound Level	Cooling	dBA	56	56	58	58	58
Dimensions (HxWxD)	mm	595x845x300	595x845x300	990x940x320	990x940x320	990x940x320	990x940x320	
Machine Weight	kg	40	46.5	68	71	74	74	
Certified Operation Range	°CDB	19 to 48	19 to 48	19 to 48	19 to 48	19 to 48	19 to 48	
Piping Connections	Liquid (Flare)	mm	Ø6.35	Ø6.35	Ø9.5	Ø9.5	Ø9.5	Ø9.5
	Gas (Flare)	mm	Ø12.7	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9
Max. Interunit Piping Length		m	20	20	20	20	30	30
Max. Installation Level Difference		m	10	10	10	10	15	15

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
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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.
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