

Specifications and Options

Specifications

Outdoor unit

Model name			MKC50RVMN		MKC70SVMN	
Power supply			1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz			
Max. connected indoor unit capacity		kW	8.5		12.0	
Casing colour			Ivory white			
Compressor type			Hermetically sealed swing type			
Refrigerant type			R-32			
Sound pressure level	H/L	dB(A)	49/44		51/46	
Dimensions	H x W x D	mm	550 x 675 x 284		595 x 845 x 300	
Machine weight		kg	37		47	
Operation range	Cooling	°CDB	10 to 46			
Max. piping length		m	50 (total)			
			25 (for one room)			
Additional charge		g/m	Chargeless			
Max. level difference		m	15 (between indoor and outdoor units) / 7.5 (between indoor units)			

Indoor unit

Model name			CTKC25RVMN		CTKC35RVMN		CTKC50SVMN	
Power supply			1 phase, 220-240 V, 50 Hz / 1 phase, 220-230 V, 60 Hz					
Front panel colour			White (N9.5)					
Airflow rate (H)		m³/min (cfm)	11.0 (388)		11.5 (406)		19.2 (678)	
Sound pressure level	H/L/SL	dB(A)	38/25/22		39/26/22		44/35/28	
Fan speed			5 steps, quiet and automatic					
Temperature control			Microcomputer control					
Dimensions	H x W x D	mm	285 × 770 × 223				295 × 990 × 263	
Machine weight		kg	9				12	
Piping connections	Liquid	mm	ø6.4					
	Gas		ø9.5				ø12.7	
	Drain		ø16.0					
Heat insulation			Both liquid and gas pipes					

Measurement conditions		
1. Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m.		
2. Sound pressure levels are measured in an anechoic chamber based on temperature condition in 1 above.		
These values are normally somewhat higher during actual operation as a result of ambient conditions.		

Options

Outdoor unit

No.	Item	MKC50RVMN	MKC70SVMN
1	Air direction adjustment grille	KPW937E4	

Indoor unit

No.	Item	CTKC25/35RVMN	CTKC50SVMN
1	Titanium apatite deodorising filter	KAF970A46	KAF970A45
2	Dust collection filter (PM2.5)	BAFP046A41	BAFP046A42
3	Remote controller loss prevention with chain	KKF936A4	

Capacity Tables

Cooling only

220 V, 50 Hz

Outdoor unit	Combinations of indoor units	Each capacity at rated capacity (kW)			Total capacity (kW) Rated (Min.-Max.)	Total power consumption (kW) Rated (Min.-Max.)	Total current (A) Rated (Min.-Max.)
		Room A	Room B	Room C			
MKC50RVMN	25	2.50			2.50 (0.75-3.43)	0.58 (0.14-0.87)	2.8 (0.7-4.2)
	35	3.50			3.50 (0.75-4.20)	0.93 (0.14-1.37)	4.4 (0.7-6.6)
	25+25	2.50	2.50		5.00 (1.00-5.30)	1.32 (0.16-1.49)	6.3 (0.8-7.1)
	25+35	2.08	2.92		5.00 (1.00-5.45)	1.29 (0.16-1.56)	6.2 (0.8-7.5)
	35+35	2.50	2.50		5.00 (1.00-5.60)	1.29 (0.16-1.63)	6.2 (0.8-7.8)
	25+25+25	1.67	1.67	1.67	5.00 (1.20-5.94)	1.16 (0.21-1.66)	5.6 (1.0-7.9)
	25+25+35	1.47	1.47	2.06	5.00 (1.20-6.20)	1.16 (0.21-1.81)	5.6 (1.0-8.7)

Outdoor unit	Combinations of indoor units	Each capacity at max. capacity (kW)			Sensible heating capacity at max. capacity (kW)			Total capacity (kW) Rated (Min.-Max.)	Total power consumption (kW) Rated (Min.-Max.)	Total current (A) Rated (Min.-Max.)
		Room A	Room B	Room C	Room A	Room B	Room C			
MKC50RVMN	25	3.43			2.75			2.50 (0.75-3.43)	0.58 (0.14-0.87)	2.8 (0.7-4.2)
	35	4.20			3.13			3.50 (0.75-4.20)	0.93 (0.14-1.37)	4.4 (0.7-6.6)
	25+25	2.65	2.65		2.46	2.46		5.00 (1.00-5.30)	1.32 (0.16-1.49)	6.3 (0.8-7.1)
	25+35	2.27	3.18		2.27	2.73		5.00 (1.00-5.45)	1.29 (0.16-1.56)	6.2 (0.8-7.5)
	35+35	2.80	2.80		2.59	2.59		5.00 (1.00-5.60)	1.29 (0.16-1.63)	6.2 (0.8-7.8)
	25+25+25	1.98	1.98	1.98	1.98	1.98	1.98	5.00 (1.20-5.94)	1.16 (0.21-1.66)	5.6 (1.0-7.9)
	25+25+35	1.82	1.82	2.55	1.82	1.82	2.50	5.00 (1.20-6.20)	1.16 (0.21-1.81)	5.6 (1.0-8.7)

Notes: 1. Cooling operation data is based on the following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB.
2. The total capacity of connected indoor units is up to 8.5 kW.
3. A single indoor unit cannot be connected.

Cooling only

220 V, 50 Hz

Outdoor unit	Combinations of indoor units	Each capacity at rated capacity (kW)			Total capacity (kW) Rated (Min.-Max.)	Total power consumption (kW) Rated (Min.-Max.)	Total current (A) Rated (Min.-Max.)
		Room A	Room B	Room C			
MKC70SVMN	25	2.50			2.50 (0.75-3.60)	0.58 (0.13-0.96)	2.8 (0.6-4.6)
	35	3.50			3.50 (0.75-4.60)	0.93 (0.13-1.47)	4.4 (0.6-7.0)
	50	5.00			5.00 (0.95-6.10)	1.29 (0.13-1.95)	6.2 (0.6-9.3)
	25+25	2.50	2.50		5.00 (1.00-6.10)	1.12 (0.15-1.58)	5.4 (0.7-7.6)
	25+35	2.50	3.50		6.00 (1.00-6.60)	1.52 (0.15-1.85)	7.3 (0.7-8.9)
	25+50	2.33	4.67		7.00 (1.15-7.17)	1.79 (0.15-1.86)	8.6 (0.7-8.9)
	35+35	3.50	3.50		7.00 (1.00-7.10)	2.10 (0.15-2.17)	10.0 (0.7-10.4)
	35+50	2.88	4.12		7.00 (1.15-7.30)	1.75 (0.15-1.93)	8.4 (0.7-9.2)
	50+50	3.50	3.50		7.00 (1.30-7.50)	1.62 (0.15-1.87)	7.8 (0.7-8.9)
	25+25+25	2.33	2.33	2.33	7.00 (1.20-7.32)	1.59 (0.19-1.72)	7.6 (0.9-8.2)
	25+25+35	2.06	2.06	2.88	7.00 (1.20-7.56)	1.59 (0.19-1.83)	7.6 (0.9-8.8)
	25+25+50	1.75	1.75	3.50	7.00 (1.60-7.92)	1.52 (0.20-1.95)	7.3 (1.0-9.3)
	25+35+35	1.84	2.58	2.58	7.00 (1.20-7.80)	1.59 (0.19-1.98)	7.6 (0.9-9.5)
	25+35+50	1.59	2.23	3.18	7.00 (1.60-8.16)	1.52 (0.20-2.07)	7.3 (1.0-9.9)
	35+35+35	2.33	2.33	2.33	7.00 (1.20-8.04)	1.59 (0.19-2.09)	7.6 (0.9-10.0)
	35+35+50	2.04	2.04	2.92	7.00 (1.60-8.40)	1.52 (0.20-2.23)	7.3 (1.0-10.7)

Outdoor unit	Combinations of indoor units	Each capacity at max. capacity (kW)			Sensible heating capacity at max. capacity (kW)			Total capacity (kW) Rated (Min.-Max.)	Total power consumption (kW) Rated (Min.-Max.)	Total current (A) Rated (Min.-Max.)
		Room A	Room B	Room C	Room A	Room B	Room C			
MKC70SVMN	25	3.60			2.82			2.50 (0.75-3.60)	0.58 (0.13-0.96)	2.8 (0.6-4.6)
	35	4.60			3.29			3.50 (0.75-4.60)	0.93 (0.13-1.47)	4.4 (0.6-7.0)
	50	6.10			4.38			5.00 (0.95-6.10)	1.29 (0.13-1.95)	6.2 (0.6-9.3)
	25+25	3.05	3.05		2.60	2.60		5.00 (1.00-6.10)	1.12 (0.15-1.58)	5.4 (0.7-7.6)
	25+35	2.75	3.85		2.49	2.99		6.00 (1.00-6.60)	1.52 (0.15-1.85)	7.3 (0.7-8.9)
	25+50	2.39	4.78		2.36	3.84		7.00 (1.15-7.17)	1.79 (0.15-1.86)	8.6 (0.7-8.9)
	35+35	3.55	3.55		2.87	2.87		7.00 (1.00-7.10)	2.10 (0.15-2.17)	10.0 (0.7-10.4)
	35+50	3.01	4.29		2.66	3.65		7.00 (1.15-7.30)	1.75 (0.15-1.93)	8.4 (0.7-9.2)
	50+50	3.75	3.75		3.45	3.45		7.00 (1.30-7.50)	1.62 (0.15-1.87)	7.8 (0.7-8.9)
	25+25+25	2.44	2.44	2.44	2.38	2.38	2.38	7.00 (1.20-7.32)	1.59 (0.19-1.72)	7.6 (0.9-8.2)
	25+25+35	2.22	2.22	3.11	2.22	2.22	2.70	7.00 (1.20-7.56)	1.59 (0.19-1.83)	7.6 (0.9-8.8)
	25+25+50	1.98	1.98	3.96	1.98	1.98	3.53	7.00 (1.60-7.92)	1.52 (0.20-1.95)	7.3 (1.0-9.3)
	25+35+35	2.05	2.87	2.87	2.05	2.61	2.61	7.00 (1.20-7.80)	1.59 (0.19-1.98)	7.6 (0.9-9.5)
	25+35+50	1.85	2.60	3.71	1.85	2.51	3.44	7.00 (1.60-8.16)	1.52 (0.20-2.07)	7.3 (1.0-9.9)
	35+35+35	2.68	2.68	2.68	2.54	2.54	2.54	7.00 (1.20-8.04)	1.59 (0.19-2.09)	7.6 (0.9-10.0)
	35+35+50	2.45	2.45	3.50	2.45	2.45	3.36	7.00 (1.60-8.40)	1.52 (0.20-2.23)	7.3 (1.0-10.7)

Notes: 1. Cooling operation data is based on the following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB.
2. The total capacity of connected indoor units is up to 12.0 kW.
3. A single indoor unit cannot be connected.