

Model		Indoor	CS-S24MKR						CS-S28MKR						
		Outdoor	CU-S24MKR						CU-S28MKR						
Performance Test Condition			AS						AS						
Power Supply		Phase, Hz	Single, 50						Single, 50						
		V	230			240			230			240			
			Min.	Mid.	Max.	Min.	Mid.	Max.	Min.	Mid.	Max.	Min.	Mid.	Max.	
Cooling	Capacity	kW	2.00	7.10	7.70	2.00	7.10	7.70	2.10	8.00	8.40	2.10	8.00	8.40	
		BTU/h	6820	24200	26300	6820	24200	26300	7160	27300	28600	7160	27300	28600	
		kcal/h	1720	6110	6620	1720	6110	6620	1810	6880	7220	1810	6880	7220	
	Running Current	A	-	9.8	-	-	9.5	-	-	11.3	-	-	11.0	-	
	Input Power	W	470	2.18k	2.40k	470	2.18k	2.40k	430	2.46k	2.60k	430	2.46k	2.60k	
	EER	W/W	4.26	3.26 / 2.0	3.21	4.26	3.26 / 2.0	3.21	4.88	3.25 / 1.5	3.23	4.88	3.25 / 1.5	3.23	
		Btu/hW	14.51	11.10	10.96	14.51	11.10	10.96	16.65	11.10	11.00	16.65	11.10	11.00	
		kcal/hW	3.66	2.80	2.76	3.66	2.80	2.76	4.21	2.80	2.78	4.21	2.80	2.78	
	Power Factor	%	-	97	-	-	96	-	-	95	-	-	93	-	
	Indoor Noise (H / L / QLo)	dB-A	47 / 38 / 35			47 / 38 / 35			50 / 38 / 35			50 / 38 / 35			
		Power Level dB	63 / 54 / 51			63 / 54 / 51			66 / 54 / 51			66 / 54 / 51			
	Outdoor Noise (H / L / QLo)	dB-A	52 / - / 47			52 / - / 47			54 / - / 49			54 / - / 49			
		Power Level dB	66 / - / 61			66 / - / 61			68 / - / 63			68 / - / 63			
Max Current (A) / Max Input Power (W)		14.4 / 3.25k						14.6 / 3.26k							
Starting Current (A)		9.8						11.3							
Compressor	Type	Hermetic Motor						Hermetic Motor							
	Motor Type	Brushless (4 poles)						Brushless (4 poles)							
	Output Power	W	1.70k						1.70k						
Indoor Fan	Type	Cross-flow fan						Cross-flow fan							
	Material	ASG30K1						ASG30K1							
	Motor Type	Transistor (8-poles)						Transistor (8-poles)							
	Input Power	W	94.8 - 94.8						94.8 - 94.8						
	Output Power	W	40						40						
	Speed	QLo	rpm	950						950					
		Lo	rpm	1050						1050					
		Me	rpm	1240						1290					
		Hi	rpm	1430						1540					
SHi		rpm	1530						1600						
Outdoor Fan	Type	Propeller						Propeller							
	Material	PP						PP							
	Motor Type	Induction (6-poles)						DC (8-poles)							
	Input Power	kW	-						-						
	Output Power	W	80						60						
	Speed	Hi	rpm	670						700					
Moisture Removal		L/h (Pt/h)	4.1 (8.7)						4.7 (9.9)						
Indoor Airflow	QLo	m ³ /min (ft ³ /m)	11.34 (401)						11.55 (408)						
	Lo	m ³ /min (ft ³ /m)	12.81 (452)						13.05 (461)						
	Me	m ³ /min (ft ³ /m)	15.60 (551)						16.65 (588)						
	Hi	m ³ /min (ft ³ /m)	18.4 (650) (307)						20.4 (720) (340)						
	SHi	m ³ /min (ft ³ /m)	19.87 (702)						21.3 (752)						
Outdoor Airflow	Hi	m ³ /min (ft ³ /m)	50.2 (1770)			51.9 (1830)			53.5 (1890)			53.5 (1890)			

Refrigeration Cycle	Control Device		Expansion Valve		Expansion Valve	
	Refrigerant Oil	cm ³	FV50S (800)		FV50S (800)	
	Refrigerant Type	g (oz)	R410A, 1.58k (55.8)		R410A, 1.77k (62.5)	
Dimension	Height (I/D / O/D)	mm (inch)	290 (11-7/16) / 795 (31-5/16)		290 (11-7/16) / 795 (31-5/16)	
	Width (I/D / O/D)	mm (inch)	1070 (42-5/32) / 875 (34-15/32)		1070 (42-5/32) / 875 (34-15/32)	
	Depth (I/D / O/D)	mm (inch)	235 (9-9/32) / 320 (12-5/8)		235 (9-9/32) / 320 (12-5/8)	
Weight	Net (I/D / O/D)	kg (lb)	12 (26) / 56 (123)		12 (26) / 57 (126)	
Piping	Pipe Diameter (Liquid / Gas)	mm (inch)	6.35 (1/4) / 15.88 (5/8)		6.35 (1/4) / 15.88 (5/8)	
	Standard length	m (ft)	5.0 (16.4)		5.0 (16.4)	
	Length range (min – max)	m (ft)	3 (9.8) ~ 30 (98.4)		3 (9.8) ~ 30 (98.4)	
	I/D & O/D Height different	m (ft)	20 (65.6)		20 (65.6)	
	Additional Gas Amount	g/m (oz/ft)	30 (0.3)		30 (0.3)	
	Length for Additional Gas	m (ft)	10 (32.8)		10 (32.8)	
Drain Hose	Inner Diameter	mm	16		16	
	Length	mm	650		650	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre coat)		Aluminium (Pre coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row x Stage x FPI		2 x 15 x 21		2 x 15 x 21	
	Size (W x H x L)	mm	810 x 315 x 25.4		810 x 315 x 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium (Blue coated)		Aluminium (Blue coated)	
	Fin Type		Slit Fin		Slit Fin	
	Row x Stage x FPI		2 x 36 x 17		2 x 36 x 17	
	Size (W x H x L)	mm	25.4 x 756 x 905.9 885.9		25.4 x 756 x 905.9 885.9	
Air Filter	Material		Polypropelene		Polypropelene	
	Type		One-touch		One-touch	
Power Supply			Outdoor		Outdoor	
Power Supply Cord		A	-		-	
Thermostat			-		-	
Protection Device			-		-	
			DRY BULB	WET BULB	DRY BULB	WET BULB
Indoor Operation Range	Maximum		32	23	32	23
	Minimum		16	11	16	11
Outdoor Operation Range	Maximum		46	26	46	26
	Minimum		16	11	16	11

1. Cooling capacities are based on indoor temperature of 27°C DRY BULB (80.6°F DRY BULB), 19.0°C WET BULB (66°F WET BULB) and outdoor air temperature of 35°C DRY BULB (95°F DRY BULB), 24°C WET BULB (75.2°F WET BULB).