

Model	Indoor	CS-S9MKR						CS-S12MKR							
	Outdoor	CU-S9MKR						CU-S12MKR							
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	0.90	2.60	3.00	0.90	2.60	3.00	0.90	3.50	4.00	0.90	3.50	4.00	
		BTU/h	3070	8870	10200	3070	8870	10200	3070	11900	13600	3070	11900	13600	
		kcal/h	770	2240	2580	770	2240	2580	770	3010	3440	770	3010	3440	
	Running Current	A	-	3.0	-	-	2.9	-	-	4.1	-	-	4.0	-	
	Input Power	W	240	630	880	240	630	880	250	860	1.18k	250	860	1.18k	
	EER	W/W	3.75	4.13/3.0	3.41	3.75	4.13/3.0	3.41	3.60	4.07/3.0	3.39	3.60	4.07/3.0	3.39	
		Btu/hW	12.79	14.08	11.59	12.79	14.08	11.59	12.28	13.84	11.53	12.28	13.84	11.53	
		kcal/hW	3.21	3.56	2.93	3.21	3.56	2.93	3.08	3.50	2.92	3.08	3.50	2.92	
	Power Factor	%	-	91	-	-	91	-	-	91	-	-	90	-	
	Indoor Noise (H / L / QLo)	dB-A	37 / 26 / 21			37 / 26 / 21			38 / 28 / 21			38 / 28 / 21			
		Power Level dB	53 / 42 / 37			53 / 42 / 37			54 / 44 / 37			54 / 44 / 37			
	Outdoor Noise (H / L / QLo)	dB-A	47 / - / -			47 / - / -			48 / - / -			48 / - / -			
		Power Level dB	62 / - / -			62 / - / -			63 / - / -			63 / - / -			
	Max Current (A) / Max Input Power (W)		5.7 / 1.25k						7.5 / 1.69k						
Starting Current (A)		3.0						4.1							
Compressor	Type	Hermetic Motor						Hermetic Motor							
	Motor Type	Brushless (6 poles)						Brushless (6 poles)							
	Output Power	W	650						650						
Indoor Fan	Type	Cross-flow fan						Cross-flow fan							
	Material	ASG20K1						ASG20K1							
	Motor Type	Induction (4 poles)						Induction (4 poles)							
	Input Power	W	43.9 - 48.9						43.9 - 48.9						
	Output Power	W	24						24						
	Speed	QLo	rpm	620 - 620						620 - 620					
		Lo	rpm	740 - 740						780 - 780					
Me		rpm	890 - 890						940 - 940						
Hi		rpm	1050 - 1050						1100 - 1100						
SHi		rpm	1150 - 1150						1200 - 1200						
Outdoor Fan	Type	Propeller						Propeller							
	Material	PP						PP							
	Motor Type	Induction (6 poles)						Induction (6 poles)							
	Input Power	W	-						-						
	Output Power	W	24						25						
	Speed	Hi	rpm	820 - 840						830 - 850					
Moisture Removal		L/h (Pt/h)	1.6 (3.4)						2.0 (4.2)						
Indoor Airflow	QLo	m ³ /min (ft ³ /m)	5.11 (180)						5.12 (181)						
	Lo	m ³ /min (ft ³ /m)	6.50 (230)						6.98 (246)						
	Me	m ³ /min (ft ³ /m)	8.24 (291)						8.84 (312)						
	Hi	m ³ /min (ft ³ /m)	10.1 (355) (168)						10.7 (380) (178)						
	SHi	m ³ /min (ft ³ /m)	11.26 (398)						11.86 (419)						
Outdoor Airflow	Hi	m ³ /min (ft ³ /m)	35.1 (1240)			36.0 (1270)			31.7 (1120)			32.5 (1145)			

Refrigeration Cycle	Control Device		Capillary Tube		Capillary Tube	
	Refrigerant Oil	cm ³	FV50S (320)		FV50S (320)	
	Refrigerant Type	g (oz)	R410A, 860 (30.4)		R410A, 1.06k (37.4)	
Dimension	Height (I/D / O/D)	mm (inch)	290 (11-7/16) / 619 (24-3/8)		290 (11-7/16) / 619 (24-3/8)	
	Width (I/D / O/D)	mm (inch)	870 (34-9/32) / 824 (32-15/32)		870 (34-9/32) / 824 (32-15/32)	
	Depth (I/D / O/D)	mm (inch)	204 (8-1/16) / 299 (11-25/32)		204 (8-1/16) / 299 (11-25/32)	
Weight	Net (I/D / O/D)	kg (b)	9 (20) / 30 (66)		9 (20) / 32 (71)	
Piping	Pipe Diameter (Liquid / Gas)	mm (inch)	6.35 (1/4) / 9.52 (3/8)		6.35 (1/4) / 12.70 (1/2)	
	Standard length	m (ft)	7.5 (24.6)		7.5 (24.6)	
	Length range (min – max)	m (ft)	3 (9.8) ~ 15 (49.2)		3 (9.8) ~ 15 (49.2)	
	I/D & O/D Height different	m (ft)	15 (49.2)		15 (49.2)	
	Additional Gas Amount	g/m (oz/ft)	15 (0.2)		15 (0.2)	
	Length for Additional Gas	m (ft)	7.5 (24.6)		7.5 (24.6)	
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	610 x 315 x 25.4		610 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		1 x 28 x 17		2 x 28 x 17	
	Size (W x H x L)	mm	12.7 x 588 x 795.8		25.4 x 588 x 790.3 770.4	
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		5	4	5	4

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).