

2. Specifications

2.1 CS-MRE7PKE CS-MRE9PKE CS-MRE12PKE

MODEL		INDOOR	CS-MRE7PKE			CS-MRE9PKE				
Performance Test Condition			EUROVENT							
Power Supply		Phase, Hz	Single, 50							
		V	230							
			Min.	Mid.	Max.	Min.	Mid.	Max.		
Cooling	Capacity		kW	1.10	2.00	2.50	1.10	2.50	3.10	
			BTU/h	3750	6820	8530	3750	8530	10600	
	Running Current		A	-	2.60	-	-	3.35	-	
	Input Power		W	230	550	690	230	710	950	
	Annual Consumption		kWh	-	275	-	-	355	-	
	EER		W/W	4.78	3.64	3.62	4.78	3.52	3.26	
Indoor Noise (H / L)		dB-A	40 / 29			40 / 29				
		Power Level dB	56 / -			56 / -				
Heating	Capacity		kW	0.70	3.20	4.30	0.70	3.60	5.00	
			BTU/h	2390	10900	14700	2390	12300	17100	
	Running Current		A	-	4.15	-	-	4.95	-	
	Input Power		W	190	940	1.35k	190	1.12k	1.66k	
	COP		W/W	3.68	3.40	3.19	3.68	3.21	3.01	
	Indoor Noise (H / L)		dB-A	40 / 29			40 / 29			
Power Level dB			56 / -			56 / -				
Indoor Fan	Type		Cross-flow Fan			Cross-flow Fan				
	Material		ASG20K1			ASG20K1				
	Motor Type		DC (8-poles)			DC (8-poles)				
	Input Power		W	47.3			47.3			
	Output Power		W	40			40			
	Speed	QLo	Cool	rpm	690			710		
			Heat	rpm	690			710		
		Lo	Cool	rpm	760			790		
			Heat	rpm	760			790		
		Me	Cool	rpm	910			980		
			Heat	rpm	930			1000		
		Hi	Cool	rpm	1050			1160		
			Heat	rpm	1090			1200		
	SHi	Cool	rpm	1120			1240			
Heat		rpm	1160			1360				
Moisture Removal		L/h (Pt/h)	1.3 (2.7)			1.5 (3.2)				
Indoor Airflow	QLo	Cool	m ³ /min (ft ³ /min)	6.79 (239)			6.58 (232)			
		Heat	m ³ /min (ft ³ /min)	6.79 (239)			6.58 (232)			
	Lo	Cool	m ³ /min (ft ³ /min)	7.62 (269)			7.48 (264)			
		Heat	m ³ /min (ft ³ /min)	7.62 (269)			7.48 (264)			
	Me	Cool	m ³ /min (ft ³ /min)	9.39 (331)			9.61 (339)			
		Heat	m ³ /min (ft ³ /min)	9.62 (339)			9.83 (347)			
	Hi	Cool	m ³ /min (ft ³ /min)	11.04 (389)			11.62 (410)			
		Heat	m ³ /min (ft ³ /min)	11.51 (406)			12.07 (426)			
	SHi	Cool	m ³ /min (ft ³ /min)	11.86 (418)			12.52 (442)			
		Heat	m ³ /min (ft ³ /min)	12.33 (435)			13.86 (489)			

MODEL		INDOOR	CS-MRE7PKE		CS-MRE9PKE	
Dimension	Height (I/D)	mm (inch)	290 (11-7/16)			
	Width (I/D)	mm (inch)	870 (34-9/32)			
	Depth (I/D)	mm (inch)	214 (8-7/16)			
Weight	Net (I/D)	kg (lb)	9 (20)			
Piping	Pipe Diameter (Liquid / Gas)	mm (inch)	6.35 (1/4) / 9.52 (3/8)		6.35 (1/4) / 9.52 (3/8)	
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 17		2 x 15 x 21	
	Size (W x H x L)	mm	610 x 315 x 25.4		610 x 315 x 25.4	
Air Filter	Material		Polypropelene		Polypropelene	
	Type		One-touch		One-touch	
Power Supply			Outdoor Power Supply		Outdoor Power Supply	
Power Supply Cord		A	Nil		Nil	
			Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum °C	32	23	32	23
		Minimum °C	16	11	16	11
	Heating	Maximum °C	30	-	30	-
		Minimum °C	16	-	16	-

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°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)
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
3. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C
4. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C
5. Specifications are subjected to change without prior notice for further improvement.

MODEL		INDOOR		CS-MRE12PKE			
Performance Test Condition				EUROVENT			
Power Supply		Phase, Hz		Single, 50			
		V		230			
				Min.	Mid.	Max.	
Cooling	Capacity		kW	1.10	3.20	3.70	
			BTU/h	3750	10900	12600	
	Running Current		A	-	4.60	-	
	Input Power		W	230	980	1.21k	
	Annual Consumption		kWh	-	490	-	
	EER		W/W	4.78	3.27	3.06	
	Indoor Noise (H / L)		dB-A		44 / 32		
Power Level dB			60 / -				
Heating	Capacity		kW	0.70	4.50	5.70	
			BTU/h	2390	15300	19400	
	Running Current		A	-	6.15	-	
	Input Power		W	190	1.39k	1.78k	
	COP		W/W	3.68	3.24	3.20	
	Indoor Noise (H / L)		dB-A		44 / 32		
			Power Level dB		60 / -		
Indoor Fan	Type		Cross-flow Fan				
	Material		ASG20K1				
	Motor Type		DC (8-poles)				
	Input Power		W	47.3			
	Output Power		W	40			
	Speed	QLo	Cool	rpm	790		
			Heat	rpm	790		
		Lo	Cool	rpm	870		
			Heat	rpm	870		
		Me	Cool	rpm	1070		
			Heat	rpm	1090		
		Hi	Cool	rpm	1260		
			Heat	rpm	1300		
		SHi	Cool	rpm	1290		
			Heat	rpm	1360		
Moisture Removal		L/h (Pt/h)	1.8 (3.8)				
Indoor Airflow		QLo	Cool	m ³ /min (ft ³ /min)	7.48 (264)		
	Heat		m ³ /min (ft ³ /min)	7.48 (264)			
	Lo	Cool	m ³ /min (ft ³ /min)	8.38 (295)			
		Heat	m ³ /min (ft ³ /min)	8.38 (295)			
	Me	Cool	m ³ /min (ft ³ /min)	10.62 (375)			
		Heat	m ³ /min (ft ³ /min)	10.84 (382)			
	Hi	Cool	m ³ /min (ft ³ /min)	12.74 (449)			
		Heat	m ³ /min (ft ³ /min)	13.19 (465)			
	SHi	Cool	m ³ /min (ft ³ /min)	13.08 (461)			
		Heat	m ³ /min (ft ³ /min)	13.86(489)			
Dimension	Height (I/D)		mm (inch)	290 (11-7/16)			
	Width (I/D)		mm (inch)	870 (34-9/32)			
	Depth (I/D)		mm (inch)	214 (8-7/16)			
Weight	Net (I/D)		kg (lb)	9 (20)			

MODEL		INDOOR	CS-MRE12PKE	
Piping	Pipe Diameter (Liquid / Gas)	mm (inch)	6.35 (1/4) / 9.52 (3/8)	
Drain Hose	Inner Diameter	mm	16	
	Length	mm	650	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)	
	Fin Type		Slit Fin	
	Row x Stage x FPI		2 x 15 x 21	
	Size (W x H x L)	mm	610 x 315 x 25.4	
Air Filter	Material		Polypropelene	
	Type		One-touch	
Power Supply			Outdoor Power Supply	
Power Supply Cord		A	Nil	
			Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum °C	32	23
		Minimum °C	16	11
	Heating	Maximum °C	30	-
		Minimum °C	16	-

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°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)
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
3. Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C
4. Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C
5. Specifications are subjected to change without prior notice for further improvement.

2.2 CU-2RE15PBE

Item		Unit	OUTDOOR UNIT		
Indoor Unit Combination			2.0kW + 2.5kW		
Power Source			1 Phase, 230V, 50Hz (Power supply from outdoor unit)		
Cooling Operation	Capacity		kW	4.4 (1.5 ~ 4.8)	
			BTU/h	15000 (5120 ~ 16400)	
	Electrical Data	Running Current		A	6.10
		Power Input		kW	1.30 (0.27 ~ 1.52)
		EER		W/W	3.38 (5.56 ~ 3.16)
		Power Factor		%	93
	Noise	Annual Consumption		kWh	650
		Sound Pressure Level		dB-A (H/L)	47 / -
Heating Operation	Capacity		kW	4.8 (1.1 ~ 6.5)	
			BTU/h	16400 (3750 ~ 22200)	
	Electrical Data	Running Current		A	5.35
		Power Input		kW	1.20k (0.24 ~ 1.67)
		COP		W/W	4.00 (4.58 ~ 3.89)
		Power Factor		%	98
	Noise	Sound Pressure Level		dB-A (H/L)	49 / -
		Sound Power Level		dB (H/L)	64 / -
Maximum Current		A	12.0		
Maximum Input Power		W	2.73k		
Starting Current		A	6.10		
Circuit Breaker Capacity		A	16		
Dimension	Height		mm	619	
	Width		mm	824 (+70)	
	Depth		mm	299	
Net Weight		kg	39		
Connection Cable			3 + 1 (Earth) ϕ 1.5 mm ²		
Pipe Length Range (1 room)		m	3 ~ 20		
Maximum Pipe Length (Total Room)		m	30		
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)	
	Gas Side		mm (inch)	9.52 (3/8)	
Compressor	Type			Hermetic Motor / Rotary	
	Motor Type			Brushless (6-poles)	
	Rated Output		W	900	
Air Circulation	Type			Propeller Fan	
	Motor Type			DC Motor (8-poles)	
	Rated Output		W	40	
Fan Speed	High (Cooling / Heating)		RPM	800 / 900	
Heat Exchanger	Type			Plate fin configuration forced draft type	
	Tube Material			Copper	
	Fin Material			Aluminum (Pre Coat)	
	Row / Stage			2 / 28	
	FPI			17	
Air Volume	High (Cooling / Heating)		m ³ /min	32.7 / 36.9	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm ³	RB68A / Freol Alpha68M (350)	
Refrigerant (R410A)			g	1.40k	

Item		Unit	OUTDOOR UNIT	
			Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum °C	32	23
		Minimum °C	16	11
	Heating	Maximum °C	30	—
		Minimum °C	16	—
Outdoor Operation Range	Cooling	Maximum °C	43	26
		Minimum °C	16	11
	Heating	Maximum °C	24	18
		Minimum °C	-10	-11

Note

- Specifications are subject to change without notice for further improvement.

2.3 CU-2RE18PBE

Item		Unit	OUTDOOR UNIT		
Indoor Unit Combination			2.5kW + 2.5kW		
Power Source			1 Phase, 230V, 50Hz (Power supply from outdoor unit)		
Cooling Operation	Capacity		kW	4.8 (1.5 ~ 5.0)	
			BTU/h	16400 (5120 ~ 17100)	
	Electrical Data	Running Current		A	6.95
		Power Input		kW	1.49 (0.27 ~ 1.58)
		EER		W/W	3.22 (5.56 ~ 3.16)
		Power Factor		%	93
	Noise	Annual Consumption		kWh	745
		Sound Pressure Level		dB-A (H/L)	49 / -
	Sound Power Level		dB (H/L)	64 / -	
Heating Operation	Capacity		kW	5.2 (1.1 ~ 6.7)	
			BTU/h	17700 (3750 ~ 22800)	
	Electrical Data	Running Current		A	5.75
		Power Input		kW	1.30k (0.24 ~ 1.70)
		COP		W/W	4.00 (4.58 ~ 3.94)
		Power Factor		%	98
	Noise	Sound Pressure Level		dB-A (H/L)	51 / -
		Sound Power Level		dB (H/L)	66 / -
Maximum Current		A	12.0		
Maximum Input Power		W	2.73k		
Starting Current		A	6.95		
Circuit Breaker Capacity		A	16		
Dimension	Height		mm	619	
	Width		mm	824 (+70)	
	Depth		mm	299	
Net Weight		kg	39		
Connection Cable			3 + 1 (Earth) ϕ 1.5 mm ²		
Pipe Length Range (1 room)		m	3 ~ 20		
Maximum Pipe Length (Total Room)		m	30		
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)	
	Gas Side		mm (inch)	9.52 (3/8)	
Compressor	Type			Hermetic Motor / Rotary	
	Motor Type			Brushless (6-poles)	
	Rated Output		W	900	
Air Circulation	Type			Propeller Fan	
	Motor Type			DC Motor (8-poles)	
	Rated Output		W	40	
Fan Speed	High (Cooling / Heating)		RPM	900 / 1000	
Heat Exchanger	Type			Plate fin configuration forced draft type	
	Tube Material			Copper	
	Fin Material			Aluminum (Pre Coat)	
	Row / Stage			2 / 28	
	FPI			17	
Air Volume	High (Cooling / Heating)		m ³ /min	36.9 / 41.1	
Refrigerant Control Device				Expansion Valve	
Refrigerant Oil			cm ³	RB68A / Freol Alpha68M (350)	
Refrigerant (R410A)			g	1.40k	

Item		Unit	OUTDOOR UNIT	
			Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum °C	32	23
		Minimum °C	16	11
	Heating	Maximum °C	30	—
		Minimum °C	16	—
Outdoor Operation Range	Cooling	Maximum °C	43	26
		Minimum °C	16	11
	Heating	Maximum °C	24	18
		Minimum °C	-10	-11

Note

- Specifications are subject to change without notice for further improvement.