

Specifications

Model			MC-SU30-RN1L	MC-SU30M-RN1L	MC-SU60-RN1L	MC-SU60M-RN1L	MC-SU90-RN1L
Power supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling ¹	Capacity	kW	27	28.2	55	55	82
	Rated input	kW	10.8	10.9	22	22.5	36.8
	EER		2.5	2.58	2.5	2.44	2.23
	SEER		4.08	3.93	3.93	4.25	4.08
Heating ²	Capacity	kW	31	30.8	61	60	90
	Rated input	kW	10.5	10.62	20.3	21.2	32.8
	COP		2.95	2.9	3.00	2.83	2.74
	SCOP		4.01	3.27	3.85	3.45	3.99
Seasonal space heating energy efficiency class			A++	A+	A++	A+	A++
Max. running current		A	18.0	19.7	36.8	36.9	60
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll
	Quantity		1	1	2	2	2
Air side heat exchanger		Type	Finned tube	Finned tube	Finned tube	Finned tube	Finned tube
Fan motor	Type		DC motor	DC motor	DC motor	DC motor	DC motor
	Quantity		1	1	2	2	3
	Air flow rate	m ³ /h	12,500	12,500	24,000	24,000	38000
Water side heat exchanger	Type		Plate	Plate	Plate	Plate	Plate
	Volume	L	2.44	2.44	5.17	5.17	7.05
	Water flow	m ³ /h	5	5	9.8	9.8	15
	Water pressure drop	kPa	55	55	61	61	75
Pump head		m	/	15	/	15	/
Refrigerant system	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	10.5	10.5	17.0	17.0	27.0
Throttle		Type	EXV	EXV	EXV + Capillary	EXV + Capillary	EXV
Sound power level		dB(A)	74	78	82	87	89
Sound pressure level ³		dB(A)	65.8	68	72.1	73	80.1
Net dimensions (W×H×D)		mm	1870×1175×1000	1870×1175×1000	2220×1325×1055	2220×1325×1055	3220×1513×1095
Packed dimensions (W×H×D)		mm	1910×1225×1035	1910×1225×1035	2250×1370×1090	2250×1370×1090	3275×1540×1130
Net/Gross weight		kg	300/310	335/345	480/490	515/525	710/739
Water pipe connections		mm	DN40	DN40	DN50	DN50	DN50
Wired Controller			KJRM-120H/BMWKO-E	KJRM-120H/BMWKO-E	KJRM-120H/BMWKO-E	KJRM-120H/BMWKO-E	KJRM-120H/BMWKO3-E
Operating temperature range	Cooling	°C	-10 to 43	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating	°C	-15 to 30	-15 to 30	-15 to 30	-15 to 30	-20 to 30
Water outlet temperature range	Cooling ⁴	°C	5 to 20	5 to 20	5 to 20	5 to 20	5 to 20
	Heating	°C	25 to 55	25 to 55	25 to 55	25 to 55	25 to 55

Note:

1. Cooling: Chilled water inlet/outlet temp.12/7°C; outdoor ambient temp. 35°C DB.
2. Heating: Warm water inlet/outlet temp. 40/45°C; outdoor ambient temp. 7°C DB/6°C WB.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.1m above the floor in a semi-anechoic chamber.
4. Capacity and efficiency data calculated in accordance with EN14511; EN14825

Model			MC-SU30-RN8L	MC-SU30M-RN8L	MC-SU60-RN8L	MC-SU60M-RN8L
Power supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling ¹	Capacity	kW	27.5	27.5	55	55
	Rated input	kW	10.3	11	21.5	23
	EER		2.67	2.5	2.55	2.39
	SEER		4.62	4.25	4	4.03
Heating ²	Capacity	kW	32	32	62	62
	Rated input	kW	10	10.7	20	21.5
	COP		3.2	2.99	3.1	2.88
	SCOP		4.24	3.99	3.86	3.72
Seasonal space heating energy efficiency class			A++	A++	A++	A+
Max. running current		A	20	21.5	40.5	43.5
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Quantity		1	1	2	2
Air side heat exchanger		Type	Finned tube	Finned tube	Finned tube	Finned tube
Fan motor	Type		DC motor	DC motor	DC motor	DC motor
	Quantity		1	1	2	2
	Air flow rate	m ³ /h	12,500	12,500	24,000	24,000
Water side heat exchanger	Type		Plate	Plate	Plate	Plate
	Volume	L	2.44	2.44	5.17	5.17
	Water flow	m ³ /h	5	5	9.8	9.8
	Water pressure drop	kPa	55	130	61	200
Pump head		m	/	15	/	15
Refrigerant system	Type		R32	R32	R32	R32
	Charged volume	kg	7.9	7.9	14	14
Throttle		Type	EXV	EXV	EXV + Capillary	EXV + Capillary
Sound power level		dB(A)	78	78	86	86
Sound pressure level ³		dB(A)	64.8	65.1	71.3	71.4
Net dimensions (W×H×D)		mm	1870×1175×1000	1870×1175×1000	2220×1325×1055	2220×1325×1055
Packed dimensions (W×H×D)		mm	1910×1225×1035	1910×1225×1035	2250×1370×1090	2250×1370×1090
Net/Gross weight		kg	300/310	315/325	480/490	515/525
Water pipe connections		mm	DN40	DN40	DN50	DN50
Wired Controller			KJRM-120H/BMWKO3-E	KJRM-120H/BMWKO3-E	KJRM-120H/BMWKO3-E	KJRM-120H/BMWKO3-E
Operating temperature range	Cooling	°C	-10 to 43	-10 to 43	-10 to 43	-10 to 43
	Heating	°C	-14 to 30	-14 to 30	-14 to 30	-14 to 30
Water outlet temperature range	Cooling ⁴	°C	5 to 20	5 to 20	5 to 20	5 to 20
	Heating	°C	25 to 54	25 to 54	25 to 54	25 to 54

Note:

1. Cooling: Chilled water inlet/outlet Temp.12/7°C, outdoor ambient Temp. 35°C DB.
2. Heating: Warm water inlet/outlet Temp. 40/45°C, outdoor ambient Temp. 7°C DB/6°C WB.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.1m above the floor in a semi-anechoic chamber.
4. Capacity and efficiency data in accordance with EN14511, EN14825.