



Mode Control Unit (MCU)

Mode Control Unit (MCU)

- Enable simultaneous heating and cooling for DVM Heat Recovery model.

Specifications



Model			MCU-R4NEK0N	MCU-S6NEK3N	MCU-S1NEK1N	MCU-S2NEK2N
Electrical						
Power Supply		Ø, #, V, Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz
MCA		A	2	2	2	2
MFA		A	15	15	15	15
Interconnecting Communication Cable		mm ²	Screened 0.75-1.5mm ² , 2 Core, F1 F2 Connection			
Performance						
Max. Number of Connectable Indoor Units		ea	12	18	8	16
Max. Number of Connectable Indoor Units Per Port		ea	3	3	8	8
Number of Ports		ea	4	6	1	2
Max. Capacity of Connectable Indoor Units		kw	22.4	22.4	16.0	32.0
Max. Capacity of Connectable Indoor Units Per Port		kw	5.6	5.6	16.0	16.0
Max. Capacity of Single Indoor Unit Using 2 Ports		kw	14.0	14.0	-	32.0
Piping Connections						
Outdoor Unit Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	15.88 (5/8)
Outdoor Unit Gas Pipe		ø, mm (inch)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)
Outdoor Unit Discharge Gas		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	19.5 (3/8)	28.58 (1-1/8)
Indoor Unit Liquid Pipe		ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
Indoor Unit Gas Pipe		ø, mm (inch)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
Refrigerant						
Additional Refrigerant Charging		kg/unit	0.5	0.5	0.5	0.5
Sound						
Sound Pressure Level	Stable Cooling Operation	dB(A)	34	36	33	34
	Heating to Cooling Changeover	dB(A)	50	50	50	50
Dimensions						
Net Weight		kg	21.3	24.3	11.0	21.0
Net Dimensions	W x H x D	mm	728 x 199 x 469	728 x 199 x 469	338 x 199 x 409	728 x 199 x 469

Accessories

6–14kW Connection from 1 MCU port (MCU-R4NEK0N Only)	6–14kW Connection from 1 MCU port (MCU-S6NEK3N Only)	16–28kW Connection from 1 MCU port (2/4/6 MCU)
MXJ-YM1206R	MXJ-YM1206M	MXJ-YM1509M

Specifications



Model			MCU-S4NEK3N	MCU-S6NEK2N	MCU-S8NEK1N	MCU-S12NEK1N
Electrical						
Power Supply		Ø, #, V, Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz	1Ø, 2, 220–240 V, 50/60 Hz
MCA		A	2	2	2	2
MFA		A	15	15	15	15
Interconnecting Communication Cable		mm ²	Screened 0.75-1.5mm ² , 2 Core, F1 F2 Connection			
Performance						
Max. Number of Connectable Indoor Units		ea	32	32	64	64
Max. Number of Connectable Indoor Units Per Port		ea	8	8	8	8
Number of Ports		ea	4	6	8	12
Max. Capacity of Connectable Indoor Units		kw	61.6	61.6	85.0	85.0
Max. Capacity of Connectable Indoor Units Per Port		kw	16.0	16.0	16.0	16.0
Max. Capacity of Single Indoor Unit Using 2 Ports		kw	32.0	32.0	32.0	32.0
Piping Connections						
Outdoor Unit Liquid Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Outdoor Unit Gas Pipe		ø, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Outdoor Unit Discharge Gas		ø, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Indoor Unit Liquid Pipe		ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Indoor Unit Gas Pipe		ø, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Refrigerant						
Additional Refrigerant Charging		kg/unit	0.5	0.5	1.0	1.0
Sound						
Sound Pressure Level	Stable Cooling Operation	dB(A)	36	36	38	38
	Heating to Cooling Changeover	dB(A)	50	50	50	50
Dimensions						
Net Weight		kg	24.5	28.5	88.6	101.9
Net Dimensions	W x H x D	mm	728 x 199 x 469	728 x 199 x 469	980 x 298 x 469	980 x 298 x 469