Floor & ceiling type

MDV ®

Functions

STANDARD
Available with wireless remote controller RG51A(2)/E

Wireless remote controller (RG51A(2)/E)	Hot start	Alarm port	Refrigerant leakage detection	Fresh air
Restoring the louver settings	3D airflow	Horizontal louvers control	Vertical louvers control	Operation in low ambient temperatures
Emergency operation mode	Auto restart	Economy operation	5 steps of fan speed regulation	TURBO function
Clean function	Timer	Sleep mode	Standard filter	LED on/off
Remote switch	Optional connection of the condensate drain	Short cut function	Heating 8℃	

OPTIONAL

WiFi control	Wired remote controller	Central controller

3D airflow

Vertical and horizontal airflow can be adjusted with use of a controller in order to direct the stream of air in any corner of the room.

Fresh air supply

Fresh air can be supplied to the room in order to ensure high quality of the air inside the air-conditioned space.

Technical specifications

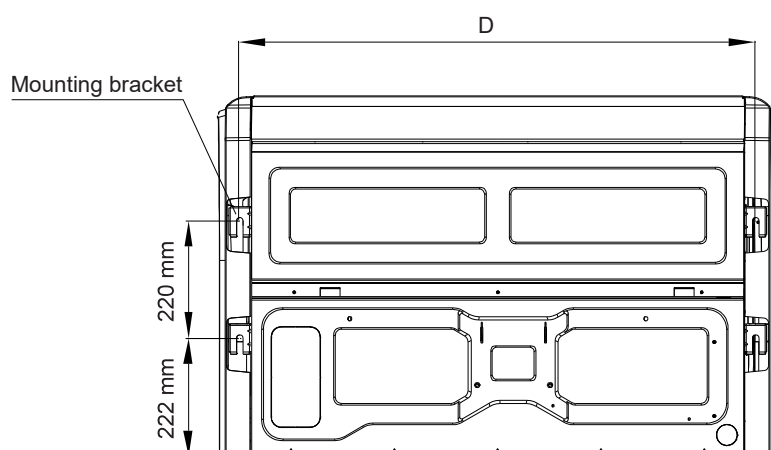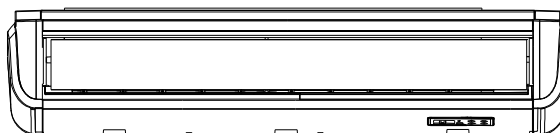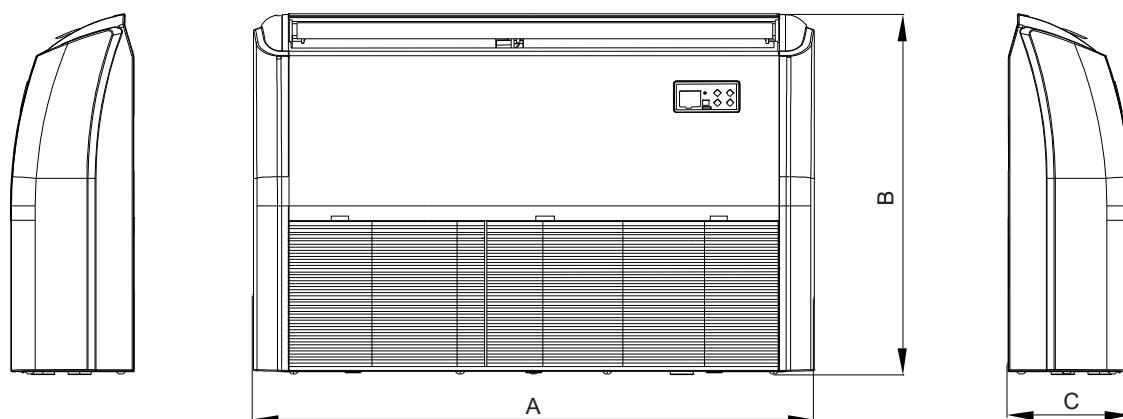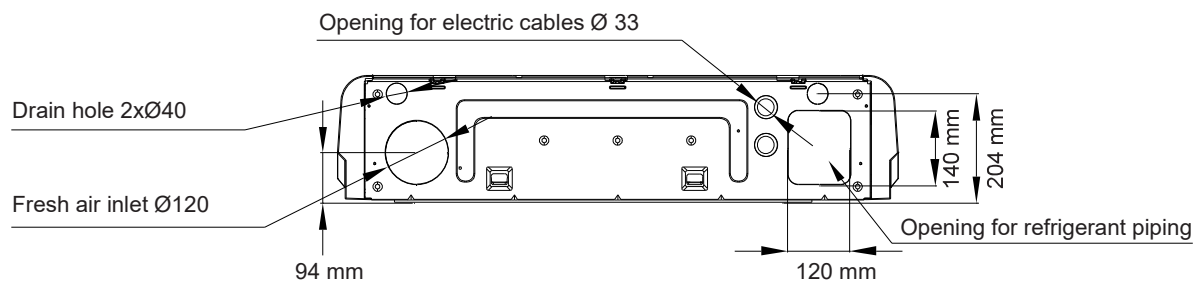| Set				ZMUE-18N8-C1	ZMUE-24N8-C1	ZMUE-36N8-C1	ZMUE-36N8-C3	ZMUE-42N8-C1	ZMUE-42N8-C3	ZMUE-48N8-C3	ZMUE-55N8-C3
Indoor unit				CLFS-18R32IVT IN	CLFB-24R32IVT IN	CLFB-36R32IVT IN	CLFB-36R32IVT IN	CLFB-42R32IVT IN	CLFB-42R32IVT IN	CLFB-48R32IVT IN	CLFB-55R32IVT IN
Outdoor unit				UNVS-18R32INT OU	UNVS-24R32INT OU	UNVS-36R32INTS OU	UNVS-36R32INTT OU	UNVS-42R32INTS OU	UNVS-42R32INTS OU	UNVS-48R32INTT OU	UNVS-55R32INT OU
Indoor unit power supply (V/phase/Hz)				220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor unit power supply (V/phase/Hz)				220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling	Capacity	Rated	kW	5.28	7.03	10.55	10.55	12.1	12.1	14.07	15.83
		Min-Max	kW	2.71~5.86	3.22~7.77	2.73~11.43	2.73~11.78	3.2~13.2	3.2~13.2	3.52~15.24	4.10~16.71
	Rated input power		kW	1.45	2.30	3.90	4.00	4.03	4.15	5.00	5.65
	EER		kW/kW	3.64	3.12	2.71	2.64	3.00	2.91	2.81	2.80
	ErP energy class			A++	A++	A++	A++	A++	A++	A++	A++
Heating	Capacity	Rated	kW	5.57	7.62	11.72	11.7	13.5	13.5	16.12	18.17
		Min-Max	kW	2.42~6.30	2.72~8.29	2.78~12.78	2.81~12.78	2.9~14.7	2.9~14.7	4.10~17.00	4.4~19.64
	Rated input power		kW	1.50	2.05	3.35	3.35	3.49	3.49	5.10	6.05
	COP		kW/kW	3.71	3.72	3.50	3.50	3.87	3.87	3.16	3.00
	ErP energy class			A+	A+	A+	A+	A+	A+	A	A+
Maximum input current			A	13.5	13.5	21.5	10.0	21.5	12.0	11.2	14.0
Indoor unit	Dimensions (width x depth x height)		mm	1068×675×235	1068×675×235	1650×675×235	1650×675×235	1650×675×235	1650×675×235	1650×675×235	1650×675×235
	Transport dimensions (width x depth x height)		mm	1145×755×313	1145×755×318	1725×755×318	1725×755×318	1725×755×318	1725×755×318	1725×755×318	1725×755×318
	Weight (net/gross)		kg	28.0/33.3	28/33.1	41.5/48	41.5/48	41.5/48	41.5/48	41.7/48.5	42.3/49.2
	Airflow (low/medium/high)		m³/min	12.05/13.98/15.97	14.22/17.05/19.87	25.07/28.8/32.58	25.06/28.8/32.58	25.06/28.8/32.58	25.06/28.8/32.58	26.67/30.83/35	27.5/32.5/36.67
	Sound pressure level (quiet/low/medium/high)		dB(A)	24/36.5/41/43.5	32/43/46/49	37/44/48.5/50	39/44.5/47.5/51	39/44.5/47.5/51	39/44.5/47.5/51	36/45/50/53	38/46.5/50.5/54
	Sound power level		dB(A)	59	55	65	65	65	65	67	67
Outdoor unit	Dimensions (width x depth x height)		mm	805×330×554	890×342×673	946×410×810	946×410×810	946×410×810	946×410×810	952×415×1333	952×415×1333
	Transport dimensions (width x depth x height)		mm	915×370×615	995×398×740	1090×500×885	1090×500×885	1090×500×885	1090×500×885	1095×495×1480	1095×495×1480
	Weight (net/gross)		kg	32.5/35.2	43.9/46.9	66.9/71.5	80.5/85	66.9/71.5	80.5/85	103.7/118.3	107.0/121.2
	Airflow		m³/min	35.0	58.3	66.7	66.7	66.7	66.7	125.0	125.0
	Sound pressure level		dB(A)	56	60	63	63	63	63	63.5	64
	Sound power level		dB(A)	65	69	70	70	70	72	74	75
Refrigerant	Type			R32	R32	R32	R32	R32	R32	R32	R32
	Charged amount		kg	1.15	1.50	2.40	2.40	2.40	2.40	2.90	3.00
Refrigerant installation	Liquid/gas		mm	Ø6.35 / Ø12.7	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9	Ø9.52 / Ø15.9
	Maximum length		m	30	50	75	75	75	75	75	75
	Maximum height difference		m	20	25	30	30	30	30	30	30
Condensate drain			mm	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32
Recommended electrical wiring and protections	Outdoor unit power supply cord		mm²	3×1.5	3×2.5	3×4.0	5×2.5	3×4.0	5x2.5	5×2.5	5×2.5
	Communication cable		mm²	4×1.0							
	Fuse		A	20	20	40	20	40	25	25	25
Recommended operating temperature ranges (outdoor)	Cooling		°C	-15 ~ 50							
	Heating		°C	-15 ~ 24							

Capacity is based on the following conditions:
Cooling: indoor temperature 27°C DB/19°C WB; outdoor temperature 35°C DB/24°C WB. Heating: indoor temperature 20°C DB/15°C WB; outdoor temperature 7°C DB/6°C WB. Installation length: length of connected pipes is 7.5 m, the height difference is 0. The unit contains fluorinated greenhouse gases (R32 GWP=675). For the proper operation of outdoor units in the heat pump mode, it is necessary to apply a drain pan heater or provide smooth condensate drain in another manner. Choice of the appropriate solution is a matter for installer.

Accessories

Standard	
RG51A(2)/E	Wireless remote controller

Option	
KJR-29B	Individual basic wired remote controller
KJR-120C1	Individual advanced wired remote controller with weekly schedule
KJR-150A	Group remote controller
CCM-180A/WS	Central controller with touch screen and schedule
CCM-30	Basic central controller
CCM-15	Central controller without display. Allows to control from a computer.
WIFI WF-60A1	It allows to control from a Smartphone with NetHome Plus application.

Indoor units

Opening for electric cables Ø 33

Drain hole 2xØ40

Fresh air inlet Ø120

140 mm

204 mm

Opening for refrigerant piping

94 mm

120 mm

B

A

C

D

Mounting bracket

220 mm

222 mm

Model (KBtu/h)	Unit	A	B	C	D
18~24	mm	1068	675	235	983
36~60	mm	1650	675	235	1565