

Ducted BIG Inverter



High static pressure

Static pressure up to 400 Pa makes it possible to use ducts with length of up to 14 m and height of up to 6,5 m. These units are specially designed for large, spacious rooms.

Flexible installation

High available static pressure allows to apply different solutions of air distribution in rooms with unusual shapes.

Functions

STANDARD

Available with wired remote controller WDC86E/KD



Wired remote controller



Refrigerant leakage detection



Fresh air



Operation in low ambient temperatures



Alarm port



Timer



Auto restart

OPTIONAL



Central controller



Wireless remote controller (RM05)

Technical specifications

				NEW	NEW	NEW			
Set				ZBIG-200N1-C3	ZBIG-250N1-C3	ZBIG-280N1-C3	ZBIG-400N1-B3	ZBIG-450N1-B3	ZBIG-560N1-B3
Indoor unit				MDV-200T1/DN1	MDV-250T1/DN1	MDV-280T1/DN1	MDV-400T1/DN1	MDV-450T1/DN1	MDV-560T1/DN1
Outdoor unit				MVi-200WV2RN1(A)	MVi-260WV2RN1(A)	MVi-280WV2RN1(A)	MDV-V400W/DRN1	MDV-V450W/DRN1	MV6-i560WV2GN1-E
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
Outdoor unit power supply (V/phase/Hz)				380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Version				Reversible heat pump					
Cooling	Capacity	Rated	kW	20.0	25.0	28.0	40.0	45.0	56.0
	Rated input power		kW	7.09	8.8	13.9	13.70	15.40	18.27
	EER		kW/kW	2.82	2.84	2.01	2.92	2.92	3.07
Heating	Capacity	Rated	kW	22.5	26.0	31.5	45.0	56.0	63.0
	Rated input power		kW	7.09	8.0	7.88	12.90	14.50	16.07
	COP		kW/kW	3.17	3.25	4.00	3.49	3.86	3.92
Indoor unit	Dimensions (width x depth x height)	mm	1440×505×925	1440×505×925	1440×505×925	2005×670×929	2005×670×929	2005×670×929	2005×670×929
	Transport dimensions (width x depth x height)	mm	1509×550×990	1509×550×990	1509×550×990	2095×800×964	2095×800×964	2095×800×964	2095×800×964
	Weight (net/gross)	kg	130/142	130/142	130/142	210.0/235.0	210.0/235.0	218.0/248.0	218.0/248.0
	External static pressure	Pa	170 (20~250)	170 (20~250)	170 (20~250)	300 (100 ~ 400)	300 (100 ~ 400)	300 (100 ~ 400)	300 (100 ~ 400)
	Airflow (low/medium/high)	m³/min	62.4/67.4/72.6	62.4/67.4/72.6	62.4/67.4/72.6	73.3/90.8/108.3	73.3/90.8/108.3	83.3/103.3/123.3	83.3/103.3/123.3
	Sound pressure level (low/medium/high)	dB(A)	50/54/57	50/54/57	50/54/57	52/57/60	52/57/60	51/56/59	51/56/59
Outdoor unit	Dimensions (width x depth x height)	mm	1120×1558×528	1120×1558×528	1120×1558×528	1360×540×1650	1460×540×1650	1340×825×1635	1340×825×1635
	Transport dimensions (width x depth x height)	mm	1270×1720×565	1270×1720×565	1270×1720×565	1450×560×1785	1550×560×1785	1405×910×1805	1405×910×1805
	Weight (net/gross)	kg	143.0/159.0	144.0/160.0	144.0/160.0	240.0/260.0	275.0/290.0	344.0/364.0	344.0/364.0
	Airflow	m³/min	150	166.67	183.33	276.0	276.0	283.0	283.0
	Sound pressure level	dB(A)	58	59	60	62	62	66	66
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant installation	Liquid/gas	mm	Ø9.53 / Ø19.1	Ø9.53 / Ø22.2	Ø9.53 / Ø22.2	Ø12.7 / Ø22.2	Ø12.7 / Ø25.4	Ø19.1 / Ø31.8	Ø19.1 / Ø31.8
Condensate drain		mm²	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32
Recommended electrical wiring and protections	Indoor unit power supply cord	mm²	3×2.5	3×2.5	3×2.5	3×2.5	3×2.5	3×2.5	3×2.5
	Outdoor unit power supply cord	mm²	5×4.0	5×4.0	5×4.0	5×4.0	5×4.0	5×4.0	5×6.0
	Communication cable	mm²	3×0.75 (shielded)						
Recommended operating temperature ranges (outdoor)	Cooling	°C	-15 ~ 55	-15 ~ 55	-15 ~ 55	-15 ~ 55	-15 ~ 55	-15 ~ 55	-5 ~ 48
	Heating	°C	-25 ~ 27	-25 ~ 27	-25 ~ 27	-25 ~ 27	-25 ~ 27	-25 ~ 27	-23 ~ 24

Capacity is based on the following conditions:

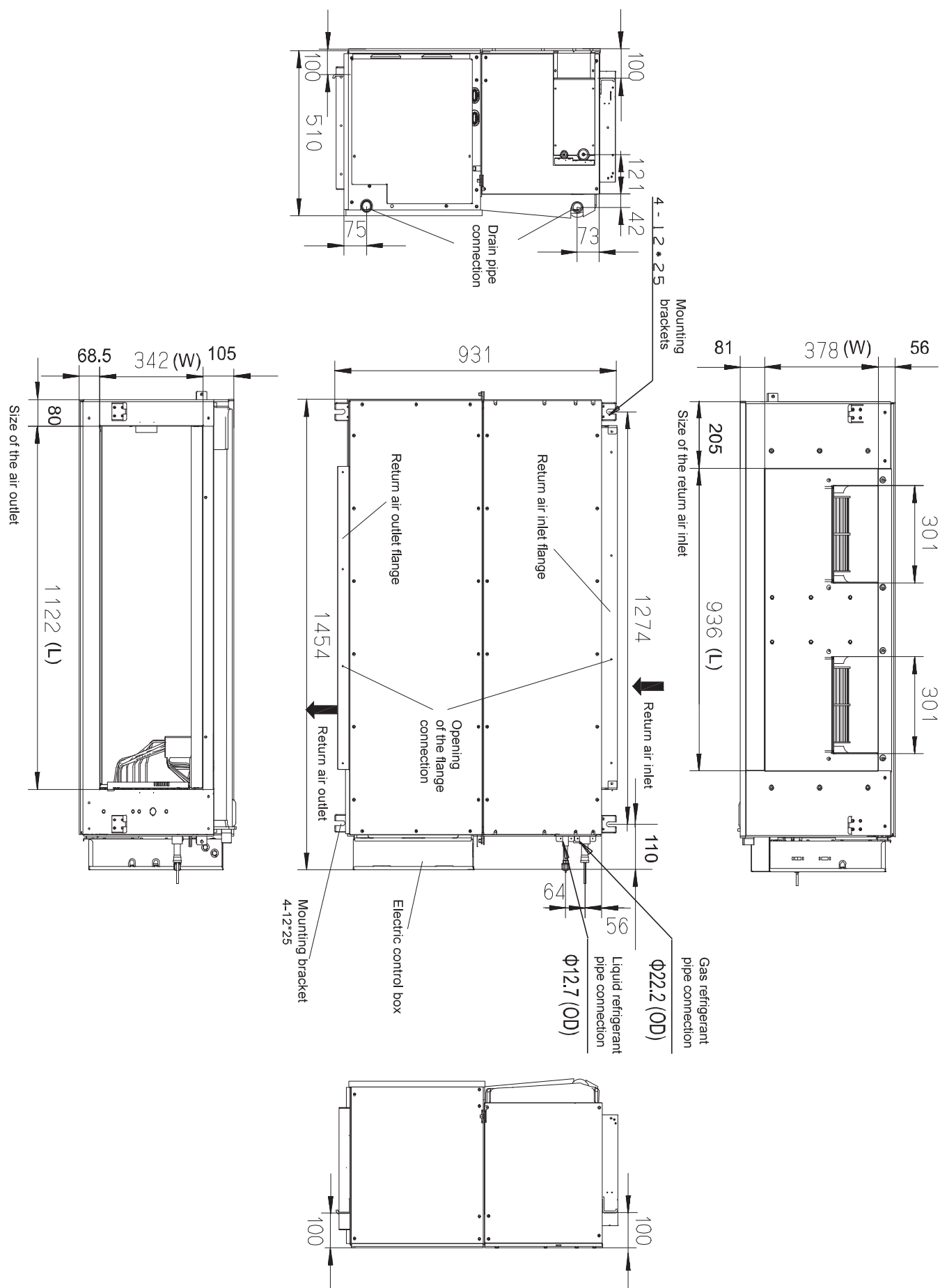
Cooling: indoor temperature 27°C DB/19°C WB; outdoor temperature 35°C DB/24°C WB. Heating: indoor temperature 20°C DB/15°C WB; outdoor temperature 7°C DB/6°C WB. Installation length: length of connected pipes is 7.5 m, the height difference is 0. The unit contains fluorinated greenhouse gases (R410A GWP=2088). 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	
WDC86E/KD	Individual advanced wired remote controller with weekly schedule
Option	
RM05	Wireless remote controller
WDC120E/KD	Group remote controller with weekly schedule
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.

Indoor units

MDV-200T1/DN1, MDV-250T1/DN1, MDV-280T1/DN1



MDV-400T1/DN1, MDV-450T1/DN1, MDV-560T1/DN1

