



SPLIT · MULTI · OFFICE · VRF HEAT PUMPS · Commercial HP

Product overview

2024 Edition





Since 25 years
we are committed
to improving your air quality

1999

25 years on
the global
market

180

sold
in 180 countries



one of the world's
leading HVAC
manufacturers



leader in sales
of VRF systems



Dubai Metro
United Arab Emirates



Terminal 3 of the Beijing airport
China



Estádio Beira-Rio Porto Alegre
Brazil



Why Aircon?

We are the general distributor of the MDV brand in Poland. Our offer is based on a wide range of air-conditioning equipment – from split and multi units to advanced VRF systems. As we are constantly developing, we have extended our offer to include heat pumps, both for households as well as commercial investments.



More than
11 regional
offices in
Poland



Innovative
technologies
and products



Hundreds
of thousands
of units sold



Experts with
decades
of experience



Customer
loyalty
programmes

"Success of the company depends on people, their individual experiences and knowledge. You need to be creative and think outside the box. AIRCON is created by such a team of involved professionals, who everyday fight with the harsh market reality, staying positive. Yet, successes are possible mainly thanks to the excellent cooperation with external partners and internal teamwork in the company. Thank you for these 20+ years."



Piotr Wójcik
Sales Manager
AIRCON



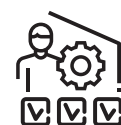
Fully equipped
training room with
an area of 250 m²



Thousands
of people trained

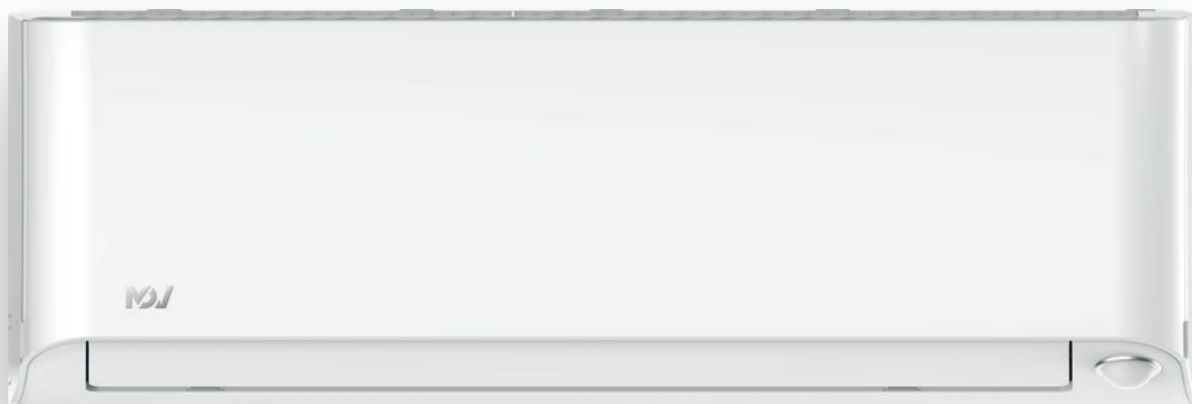
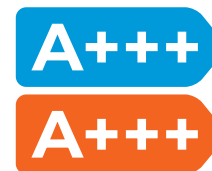
Let's do business together!

- We offer design support in the scope of equipment selection and preparation of complete technical documentation
- We provide certified technical and practical trainings in modern workshop rooms
- We ensure nationwide service support and spare parts availability



Workshop room
for practical
activities

Oasis



Controller included
RG10P1(2HS)/BGEF

Available as an option
WDC-86E/K

THE DISTINGUISHING FEATURES:

- intelligent eye – a function that adapts the air flow to a user's location in the room
- humidity control
- ioniser
- drain pan heater
- compressor crankcase heater
- Wi-Fi control
- heating operating temperature down to -30°C
- BMS gateway connectable
- possibility to connect central controller

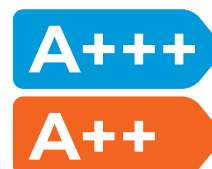
Technical data

Set				ZOP-09N8-A1	ZOP-12N8-A1
Indoor unit				OP-09HRFN8-QRE3	OP-12HRFN8-QRE3
Outdoor unit				MOX330-09HFN8-QRE3	MOX330-12HFN8-QRE3
Power supply (V/phase/Hz)				220-240/1/50	
Version				Reversible heat pump	
Cooling	Capacity	Rated	kW	2.6	3.5
		Min-Max	kW	0.90-4.16	1.03-4.82
	SEER			9.3	9.2
	Energy efficiency class			A+++	A+++
Heating	Capacity	Rated	kW	4.1	4.3
		Min-Max	kW	0.80-7.00	0.75-7.20
	SCOP			5.3	5.3
	Energy efficiency class			A+++	A+++
Maximum input current			A	13	13
Indoor unit	Dimensions (W × D × H)		mm	895×248×298	895×248×298
	Sound pressure level (quiet/low/medium/high)		dB(A)	21/24/34/43	21/24/34/43
	Sound power level		dB(A)	59	59
Outdoor unit	Dimensions (W × D × H)		mm	805×330×554	805×330×554
	Sound pressure level		dB(A)	55.5	55.5
	Sound power level		dB(A)	60	60
Refrigerant	Type			R32	R32
Recommended operating temperature ranges (outdoor)			Cooling	-25 – 50	
			Heating	-30 – 30	

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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Blue XT



Controller included
RG10X1(G2HS)/BGEF



Available as an option
WDC-86E/K

THE DISTINGUISHING FEATURES:

- 3rd generation diffuser (180° rotation)
- vertical and horizontal air supply
- air stream coverage of 9 m
- maximum airflow 700 m³/h
- ioniser
- drain pan heater
- compressor crankcase heater
- Wi-Fi control
- heating operating temperature down to -30°C
- BMS gateway connectable
- possibility to connect central controller

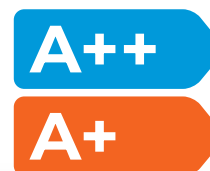
Technical data

Set				ZBXT-09N8-A1		ZBXT-12N8-A1	
Indoor unit				XT-09HRFN8-QRD6		XT-12HRFN8-QRD6	
Outdoor unit				MOXT230-09HFN8-QRD6		MOXT230-12HFN8-QRD6	
Power supply [V/phase/Hz]				220-240/1/50			
Version				Reversible heat pump			
Cooling	Capacity	Rated	kW	2,6		3.5	
		Min-Max	kW	1.23~3.30		1.32~4.31	
	SEER		8.8		8.5		
	Energy efficiency class		A+++		A+++		
Heating	Capacity	Rated	kW	2.93		3.8	
		Min-Max	kW	0.84~3.72		0.88~4.40	
	SCOP		4.6		4.6		
	Energy efficiency class		A++		A++		
Maximum input current			A	10.5		10.5	
Indoor unit	Dimensions [W × H × D]		mm	920×321×211		920×321×211	
	Sound pressure level [quiet/low/medium/high]		dB(A)	18.4/21.5/32.5/40.0		18.4/21.5/32.5/40.0	
	Sound power level		dB(A)	53		53	
Outdoor unit	Dimensions [W × D × H]		mm	765×303×555		765×303×555	
	Sound pressure level		dB(A)	53.5		53.5	
	Sound power level		dB(A)	58		62	
Refrigerant	Type			R32		R32	
Recommended operating temperature ranges [outdoor]		Cooling	°C	-15 ~ 50			
		Heating	°C	-30 ~ 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. Piping length: the length of the connected pipes is 7,5 m, the height difference is 0. The equipment contains fluorinated greenhouse gases [R32 GWP=675].

Aroma



Controller included
RG10A5(G)/BGEF

Available as an option
WDC-86E/K

THE DISTINGUISHING FEATURES:

- Wi-Fi control
- aromatic, catalytic, carbon and silver ion filters
- ioniser
- compressor crankcase and drain pan heater
- Frost Protect function
- quiet operation mode
- BMS gateway connectable
- possibility to connect central controller

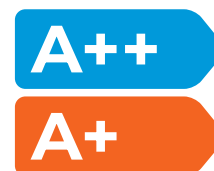
Technical data

Set				ZAF-09N8-D1	ZAF-12N8-D1	ZAF-18N8-C1	ZAF-24N8-C1
Indoor unit				AFBU-09HRFN8-QRD1	AFBU-12HRFN8-QRD1	AFCU-18HRFN8-QRD0	AFDU-24HRFN8-QRD0
Outdoor unit				MOX133-09HFN8-QRD1N	MOX133-12HFN8-QRD1N	MOX330-18HFN8-QRD0N	MOX431-24HFN8-QRD0N
Power supply [V/phase/Hz]				220-240/1/50			
Cooling	Capacity	Rated	kW	2.6	3.5	5.3	7.0
		Min-Max	kW	0.91-3.40	1.11-3.93	0.34-5.83	2.10-7.90
	SEER			7.0	6.5	7.4	6.1
Energy efficiency class				A++	A++	A++	A++
Heating	Capacity	Rated	kW	2.93	3.81	5.60	7.30
		Min-Max	kW	0.82-3.37	1.08-4.16	3.10-5.85	1.60-7.90
	SCOP			4.1	4.1	4.0	4.0
Energy efficiency class				A+	A+	A+	A+
Maximum input current			A	10	10	10	16
Indoor unit	Dimensions (W × D × H)	mm		715×194×285	805×194×285	957×213×302	1040×220×327
	Sound pressure level (quiet/low/medium/high)	dB(A)		20.5/25.0/32.0/37.0	21.5/25.0/35.5/39.5	22.0/26.0/36.0/42.5	26.0/36.0/40.5/45.0
	Sound power level	dB(A)		50	54	56	59
Outdoor unit	Dimensions (W × D × H)	mm		720×270×495	720×270×495	805×330×554	890×342×673
	Sound pressure level (quiet/low/medium/high)	dB(A)		55.0	54.5	56.0	59.0
	Sound power level	dB(A)		59.0	64.0	63.0	67.0
Refrigerant		Type/charge	-/kg	R32/0.47	R32/0.52	R32/1.08	R32/1.42
Recommended operating temperature ranges (outdoor)			Cooling	°C	-15 ~ 50		
			Heating	°C	-25 ~ 30		

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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Frost



Wireless controller included
RG10A5(G)/BGEF



Available as an option
WDC-86E/K

THE DISTINGUISHING FEATURES:

- Wi-Fi control
- catalytic, carbon filter
- self-cleaning
- GoldenFin anti-corrosion coating
- compressor crankcase and drain pan heater
- Frost Protect function
- quiet operation mode
- BMS gateway connectable
- possibility to connect central controller

Technical data

Set				ZFR-09N8-A1	ZFR-12N8-A1	ZFR-18N8-A1	ZFR-24N8-A1
Indoor unit				FR-09HRFN8-QRD1	FR-12HRFN8-QRD1	FR-18HRFN8-QRD0	FR-24HRFN8-QRD0
Outdoor unit				MOX133-09HFN8-QRD1N	MOX133-12HFN8-QRD1N	MOX330-18HFN8-QRD0N	MOX431-24HFN8-QRD0N
Power supply [V/phase/Hz]				220-240/1/50			
Cooling	Capacity	Rated	kW	2.6	3.5	5.3	7.0
		Min-Max	kW	0.91~3.40	1.11~3.93	0.34~5.83	2.10~7.90
	SEER			7.0	6.5	7.4	6.1
	Energy efficiency class			A++	A++	A++	A++
Heating	Capacity	Rated	kW	2.93	3.81	5.60	7.30
		Min-Max	kW	0.82~3.37	1.08~4.16	3.10~5.85	1.60~7.90
	SCOP			4.1	4.1	4.0	4.0
	Energy efficiency class			A+	A+	A+	A+
Maximum input current			A	10	10	10	16
Indoor unit	Dimensions [W × D × H]		mm	715×194×285	805×194×285	957×213×302	1040×220×327
	Sound pressure level (quiet/low/medium/high)		dB(A)	20.5/25.0/32.0/37.0	21.5/25.0/35.5/39.5	22.0/26.0/36.0/42.5	26.0/36.0/40.5/45.0
	Sound power level		dB(A)	50	54	56	59
Outdoor unit	Dimensions [W × D × H]		mm	720×270×495	720×270×495	805×330×554	890×342×673
	Sound pressure level (quiet/low/medium/high)		dB(A)	55.0	54.5	56.0	59.0
	Sound power level		dB(A)	59.0	64.0	63.0	67.0
Refrigerant		Type/charge	-/kg	R32/0.47	R32/0.52	R32/1.08	R32/1.42
Recommended operating temperature ranges [outdoor]		Cooling	°C	-15 ~ 50			
		Heating	°C	-25 ~ 30			

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.

Piping length: the length of the connected pipes is 7.5 m, the height difference is 0. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Multi Free Match



THE DISTINGUISHING FEATURES:

- GoldenFin anti-corrosion coating
- compressor crankcase heater
- drain pan heater
- heating possible at outdoor temperatures down to -30°C

Technical data

Outdoor unit			M20H-14HFN8-QAH	M20E-18HFN8-QAH	M30G-21HFN8-QAH	M30A-27HFN8-QAH	M40E-28HFN8-QAH	M40B-36HFN8-QAH	M50E-42HFN8-QAH
Power supply (V/phase/Hz)			220-240/1/50						
Cooling	Rated capacity	kW	4.1	5.3	6.2	7.9	8.2	10.6	12.3
Heating	Rated capacity	kW	4.4	5.6	6.5	8.2	8.8	10.8	12.3
Dimensions (W × D × H)			mm	805×330×554	805×330×554	890×342×673	890×342×673	946×410×810	946×410×810
Refrigerant	Type			R32	R32	R32	R32	R32	R32
Recommended operating temperature ranges (outdoor)	Cooling	°C	-15 ~ 50						
	Heating	°C	-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Combination of indoor unit connections

Cooling capacity 4.1 kW

M20H-14HFN8-QA(H)	
1 unit	2 units
9	9+9
12	9+12
18	

Cooling capacity 5.3 kW

M20E-18HFN8-QA(H)	
1 unit	2 units
9	9+9
12	9+12
18	12+12

Cooling capacity 6.2 kW

M30G-21HFN8-QA(H)		
1 unit	2 units	3 units
9	9+9	9+9+9
12	9+12	
18	9+18	
	12+12	

Cooling capacity 7.9 kW

M30A-27HFN8-QA(H)		
1 unit	2 units	3 units
9	9+9	9+9+9
12	9+12	9+9+12
18	9+18	9+9+18
	12+12	12+12+12
	12+18	

Cooling capacity 8.2 kW

M40E-28HFN8-QA(H)			
1 unit	2 units	3 units	4 units
9	9+9	9+9+9	9+9+9+9
12	9+12	9+9+12	
18	9+18	9+9+18	
24	9+24	9+12+12	
	12+12	12+12+12	
	12+18		
	12+24		
	18+18		

Cooling capacity 10.6 kW

M40B-36HFN8-QA(H)			
1 unit	2 units	3 units	4 units
9	9+9	9+9+9	9+9+9+9
12	9+12	9+9+12	9+9+9+12
18	9+18	9+9+18	9+9+9+18
24	9+24	9+9+24	9+9+12+12
	12+12	9+12+12	9+12+12+12
	12+18	9+12+18	12+12+12+12
	12+24	9+12+24	
	18+18	9+18+18	
		12+12+12	
		12+12+18	

Cooling capacity 12.3 kW

M50E-42HFN8-QA(H)				
1 unit	2 units	3 units	4 units	5 units
9	9+9	9+9+9	9+9+9+9	9+9+9+9+9
12	9+12	9+9+12	9+9+9+12	9+9+9+9+12
18	9+18	9+9+18	9+9+9+18	9+9+9+9+18
24	9+24	9+9+24	9+9+9+24	9+9+9+12+12
	12+12	9+12+12	9+9+12+12	9+9+12+12+12
	12+18	9+12+18	9+9+12+18	
	12+24	9+12+24	9+9+12+24	
	18+18	9+18+18	9+12+12+12	
		12+12+12	9+12+12+18	
		12+12+18	12+12+12+12	
		12+12+24	12+12+12+18	
		12+18+18		

Technical data

Blue XT

Indoor unit			XT-09HRFN8-QRD6	XT-12HRFN8-QRD6
Power supply (V/phase/Hz)			220-240/1/50	
Cooling	Rated capacity	kW	2.60	3.50
Heating	Rated capacity	kW	2.93	3.80
Sound pressure level (quiet/low/medium/high)			18.4/21.5/32.5/40.0	
Sound power level			53	
Dimensions (W × D × H)			920×321×211	



Aroma

Indoor unit			AFBU-09HRDN8-QRD0	AFBU-12HRDNX-QRD0	AFCU-18HRFN8-QRD0	AFDU-24HRFN8-QRD0
Power supply (V/phase/Hz)			220-240/1/50			
Cooling	Rated capacity	kW	2.6	3.5	5.3	7.0
Heating	Rated capacity	kW	2.9	3.8	5.6	7.3
Sound pressure level (quiet/low/medium/high)			20.0/25.0/32.0/38.5	21.0/25.0/34.5/40.5	20.0/26.0/36.0/42.5	30.0/36.0/40.5/45.0
Sound power level			54	55	56	59
Dimensions (W × D × H)			715×194×285	805×194×285	957×213×302	1040×220×327



Frost

Indoor unit			FR-09HRFN8-QRD1	FR-12HRFN8-QRD1	FR-18HRFN8-QRD0	FR-24HRFN8-QRD0
Power supply (V/phase/Hz)			220-240/1/50			
Cooling	Rated capacity	kW	2.6	3.5	5.3	7.0
Heating	Rated capacity	kW	2.9	3.8	5.6	7.3
Sound pressure level (quiet/low/medium/high)			20.5/25.0/32.0/37.0	21.5/25.0/35.5/39.5	22.0/26.0/36.0/42.5	26.0/36.0/40.5/45.0
Sound power level			50.0	54.0	56.0	59.0
Dimensions (W × D × H)			715×194×285	805×194×285	957×213×302	1040×220×327



Console

Indoor unit			CONS-12R32IVT IN	CONS-17R32IVT IN
Power supply (V/phase/Hz)			220-240/1/50	
Cooling	Rated capacity	kW	3.5	5.0
Heating	Rated capacity	kW	3.8	5.3
Dimensions (W × D × H)			794×200×621	794×200×621
Sound pressure level (quiet/low/medium/high)			21/37/34/37	21/32/38/41
Sound power level			54	55



Cassette

Set with white / black panel			ZMCA-12N8-C1M / ZMCA-12N8-C1MB	ZMCA-18N8-C1M / ZMCA-18N8-C1MB	ZMCD-24N8-C1M / -
Indoor unit			CSTS-12R32IVT IN	CSTS-18R32IVT IN	CSTB-24R32IVT IN
Panel			T-MBQ4-03E / T-MBQ4-03EB	T-MBQ4-03E	T-MBQ4-04A1
Power supply (V/phase/Hz)			220-240/1/50		
Cooling	Rated capacity	kW	3.5	5.3	7.0
Heating	Rated capacity	kW	4.4	5.4	7.6
Sound pressure level (quiet/low/medium/high)			25.5/33.0/36.0/41.0	29.0/35.5/39.5/43.0	27.0/39.5/42.5/45.5
Sound power level			57	59	59
Indoor unit	Dimensions (W × D × H)	mm	570×570×260	570×570×260	830×830×205
Panel	Dimensions (W × D × H)	mm	647×647×50	647×647×50	950×950×55



Floor-ceiling

Indoor unit			CLFS-18R32IVT IN	CLFB-24R32IVT IN
Power supply (V/phase/Hz)			220-240/1/50	
Cooling	Rated capacity	kW	5.3	7.0
Heating	Rated capacity	kW	5.6	7.6
Sound pressure level (low/medium/high)			24.0/36.5/41.0/43.5	32.0/43.0/46.0/49.0
Sound power level			59	55
Dimensions (W × D × H)			1068×675×235	1068×675×235



Duct

Indoor unit			DCTS-12R32IVT IN	DCTS-18R32IVT IN	DCTB-24R32IVT IN
Power supply (V/phase/Hz)			220-240/1/50		
Cooling	Rated capacity	kW	3.5	5.3	7.0
Heating	Rated capacity	kW	3.8	5.6	7.6
Sound pressure level (quiet/low/medium/high)			23.0/29.0/30.5/34.5	26.0/34.0/38.0/41.0	27.0/37.0/40.0/42.0
Sound power level			58	58	62
External static pressure			25 [0-60]	25 [0-100]	25 [0-160]
Dimensions (W × D × H)			700×450×200	880×674×210	1100×774×249

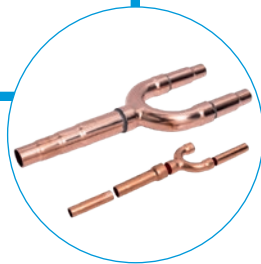


Capacity is based on the following conditions:

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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Multi X2

MULTI X2 system consists of two, simultaneously operating indoor units, connected to a single outdoor unit. This solution ensures installation space savings, thanks to the application of just one outdoor unit while keeping the required heating or cooling capacity in the air-conditioned room. Connection by means of a T-joint.



THE DISTINGUISHING FEATURES:

- drain pan heater
- remote control



Technical data

Set	Outdoor units	Indoor units	Header	Panel
TWIN P14A	UNVS-48R32INT OU	CLFB-24R32IVT IN	FQZHN-01D	-
		CLFB-24R32IVT IN		
TWIN D14A	UNVS-48R32INT OU	DCTB-24R32IVT IN	FQZHN-01D	-
		DCTB-24R32IVT IN		
TWIN K14A	UNVS-48R32INT OU	CSTB-24R32IVT IN	FQZHN-01D	T-MBQ4-04A1
		CSTB-24R32IVT IN		

Outdoor unit				UNVS-48R32INT OU	
Power supply [V/phase/Hz]				380-415/3/50	
Version				Reversible heat pump	
Cooling	Capacity	Rated	kW	14.1	
		Min-Max	kW	3.53~15.53	
	SEER			6.1	
	ErP energy class			A++	
Heating	Capacity	Rated	kW	16.1	
		Min-Max	kW	4.10~18.17	
	SCOP			4.0	
	ErP energy class			A+	
Sound pressure level			dB(A)	64	
Sound power level			dB(A)	74	
Outdoor unit	Dimensions (W × D × H)		mm	952×415×1333	
Refrigerant	Type			R32	
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50	
		Heating	°C	-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Technical data

Multi X2 cassette type

Indoor unit			CSTB-24R32IVT IN
Panel			T-MBQ4-04A1
Power supply (V/phase/Hz)			220-240/1/50
Cooling	Rated capacity	kW	7.0
Heating	Rated capacity	kW	7.6
Airflow (low/medium/high)		m ³ /min	16.6/19/21.6
Sound pressure level (quiet/low/medium/high)		dB(A)	27/39.5/42.5/45.5
Sound power level		dB(A)	59
Indoor unit	Dimensions (W × D × H)	mm	830×830×205
Panel	Dimensions (W × D × H)	mm	950×950×55



Multi X2 floor-ceiling type

Indoor unit			CLFB-24R32IVT IN
Power supply (V/phase/Hz)			220-240/1/50
Cooling	Rated capacity	kW	7.0
Heating	Rated capacity	kW	7.6
Airflow (low/medium/high)		m ³ /min	14.23/17.05/19.87
Sound pressure level (quiet/low/medium/high)		dB(A)	32/43/46/49
Sound power level		dB(A)	55
Indoor unit	Dimensions (W × D × H)	mm	1068×675×235



Multi X2 duct type

Indoor unit			DCTB-24R32IVT IN
Power supply (V/phase/Hz)			220-240/1/50
Cooling	Rated capacity	kW	7.0
Heating	Rated capacity	kW	7.6
Airflow (low/medium/high)		m ³ /min	13.75/17.25/20.48
Sound pressure level (quiet/low/medium/high)		dB(A)	27/37/40/42
Sound power level		dB(A)	62
External static pressure		Pa	25 (0-160)
Indoor unit	Dimensions (W × D × H)	mm	1100×774×249



Capacity of all the units 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).



Compact cassette



A++

A+



Wireless controller included
RG51A(2)/E ROHS



Available as an option
KJR-120N

THE DISTINGUISHING FEATURES:

- fresh air and discharge duct connection
- Turbo function
- compressor crankcase heater and drain pan heater
- drain pump – maximum head of 1000 mm
- refrigerant leakage detection
- BMS gateway connectable
- possibility to connect central controller
- Wi-Fi connectivity – option with KJR-120N controller

Technical data

Set				ZMCA-12N8-D1	ZMCA-18N8-D1
Indoor unit				CSTS4-12R32IVT IN	CSTS4-18R32IVT IN
Outdoor unit				UNVS-12R32INT OU	UNVS-18R32INT OU
Panel				T-MBQ4-03B	T-MBQ4-03B
Indoor unit power supply (V/phase/Hz)				220-240/1/50	220-240/1/50
Cooling	Capacity	Rated	kW	3.52	5.28
		Min-Max	kW	0.85-4.16	2.64-5.86
	Rated input power		kW	1.01	1.55
	SEER			6.8	6.5
Energy efficiency class				A++	A++
Heating	Capacity	Rated	kW	3.81	5.57
		Min-Max	kW	2.37-6.30	0.47-4.34
	Rated input power		kW	1.56	1.02
	SCOP			4.1	4.1
Energy efficiency class				A+	A+
Indoor unit	Dimensions (W × D × H)		mm	570×570×245	570×570×245
	Sound pressure level (quiet/low/medium/high)		dB(A)	25.0/31.5/41.0/44.0	25.5/31.5/38.5/42.0
	Sound power level		dB(A)	55	59
Panel	Dimensions (W × D × H)			620×620×50	620×620×50
Outdoor unit	Dimensions (W × D × H)		mm	765×303×555	805×330×554
	Airflow		m³/h	2200	2100
	Sound pressure level		dB(A)	57	58
	Sound power level		dB(A)	62	65
Refrigerant		Type/charge	-/kg	R32/0.71	R32/1.15
Recommended operating temperature ranges (outdoor)			Cooling	°C	-15 ~ 50
			Heating	°C	-20 ~ 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. Piping length: length of the connected pipes is 7.5 m, the height difference is 0. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Standard cassette



Controller included
RG51A(2)/E



Available as an option
KJR-120N

THE DISTINGUISHING FEATURES:

- fresh air and discharge duct connection possible
- Turbo function
- drain pump – maximum head of 1000 mm
- 360° airflow
- BMS gateway connectable
- possibility to connect central controller

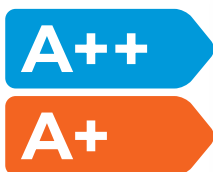
Technical data

Set with white panel				ZMCD-24N8-C1	ZMCD-36N8-C1	ZMCD-36N8-C3	ZMCD-42N8-C1	ZMCD-42N8-C3	ZMCD-48N8-C3	ZMCD-55N8-C3
Indoor unit				CSTB-24R32IVT IN	CSTB-36R32IVT IN	CSTB-36R32IVT IN	CSTB-42R32IVT IN	CSTB-42R32IVT IN	CSTB-48R32IVT IN	CSTB-55R32IVT IN
Outdoor unit				UNVS-24R32INT OU	UNVS-36R32INTS OU	UNVS-36R32INTT OU	UNVS-42R32INTS OU	UNVS-42R32INTT OU	UNVS-48R32INT OU	UNVS-55R32INT OU
Panel				T-MBQ4-04A1						
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
Outdoor unit power supply (V/phase/Hz)				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
Version				Reversible heat pump						
Cooling	Capacity	Rated	kW	7.03	10.55	10.55	12.0	12.0	14.1	15.2
		Min-Max	kW	3.30-7.91	2.70-11.43	2.70-11.43	2.93-12.31	2.93-12.31	3.52-15.83	4.10-16.71
	Rated input power		kW	2.32	3.95	4.00	4.20	4.30	4.65	5.00
	EER		kW/kW	3.03	2.67	2.64	2.86	2.79	3.03	3.05
ErP energy class				A++	A++	A++	A++	A++	A++	A++
Heating	Capacity	Rated	kW	7.62	11.14	11.14	13.48	13.48	16.1	18.17
		Min-Max	kW	2.81-8.94	2.78-12.30	2.78-12.66	3.37-14.07	3.37-14.07	4.10-17.29	4.4-19.93
	Rated input power		kW	1.90	3.00	3.00	3.70	3.70	4.58	5.55
	COP		kW/kW	4.01	3.71	3.71	3.64	3.64	3.52	3.27
ErP energy class				A+	A+	A	A+	A	A+	A+
Indoor unit	Dimensions (W × D × H)	mm		830×830×205	830×830×245	830×830×245	830×830×287	830×830×287	830×830×287	830×830×287
	Sound pressure level (quiet/low/medium/high)	dB(A)		27/39.5/42.5/45.5	39/44.5/47.5/50	39/44.5/47.5/50	38/46/48.5/51	38/46/48.5/51	37.5/46.5/48.65/51	40/48/50.5/53
	Sound power level	dB(A)		59	64	64	66	66	66	66
Panel	Dimensions (W × D × H)	mm		950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
Outdoor unit	Dimensions (W × D × H)	mm		890×342×673	946×410×810	946×410×810	946×410×810	946×410×810	952×415×1333	952×415×1333
	Sound pressure level	dB(A)		60	63	63	63	63	64	64
	Sound power level	dB(A)		69	70	70	72	72	74	75
Refrigerant	Type			R32	R32	R32	R32	R32	R32	R32
Recommended operating temperature ranges (outdoor)			Cooling	°C	-15 ~ 50					
			Heating	°C	-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Console



Controller included
RG10B1(F)/BGES

Available as an option
WDC-86E/K

THE DISTINGUISHING FEATURES:

- built-in ioniser and humidity sensor
- 2-way air supply
- drying
- drain pan and compressor crankcase heater
- slim design, installation close to the floor
- BMS gateway connectable
- possibility to connect central controller

Technical data

Set				ZMCON-12N8-C1	ZMCON-17N8-C1
Indoor unit				CONS-12R32IVT IN	CONS-17R32IVT IN
Outdoor unit				UNVS-12R32INT OUH	UNVS-18R32INT OUH
Power supply (V/phase/Hz)				220-240/1/50	220-240/1/50
Cooling	Capacity	Rated	kW	3.51	5.0
		Min-Max	kW	0.76–4.24	2.63–5.56
	SEER			7.3	6.7
	Energy efficiency class			A++	A++
Heating	Capacity	Rated	kW	3.8	5.3
		Min-Max	kW	0.45–4.68	2.19–6.3
	SCOP			3.8	5.3
	Energy efficiency class			A+	A+
Indoor unit	Dimensions (W × D × H)		mm	794×200×621	794×200×621
	Sound pressure level (quiet/low/medium/high)		dB(A)	21/27/34/37	21/32/38/41
	Sound power level		dB(A)	54	55
Outdoor unit	Dimensions (W × D × H)		mm	765×303×555	805×330×554
	Sound pressure level		dB(A)	54	55
	Sound power level		dB(A)	62	63
Refrigerant		Type		R32	
Recommended operating temperature ranges (outdoor)			Cooling	°C	
			Heating	°C	
				-15 ~ 50	
				-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Floor-ceiling



Controller included
RG51A(2)/E



Available as an option
KJR-120N

THE DISTINGUISHING FEATURES:

- vertical and horizontal installation possible
- long blowing range
- BMS gateway connectable
- possibility to connect central controller

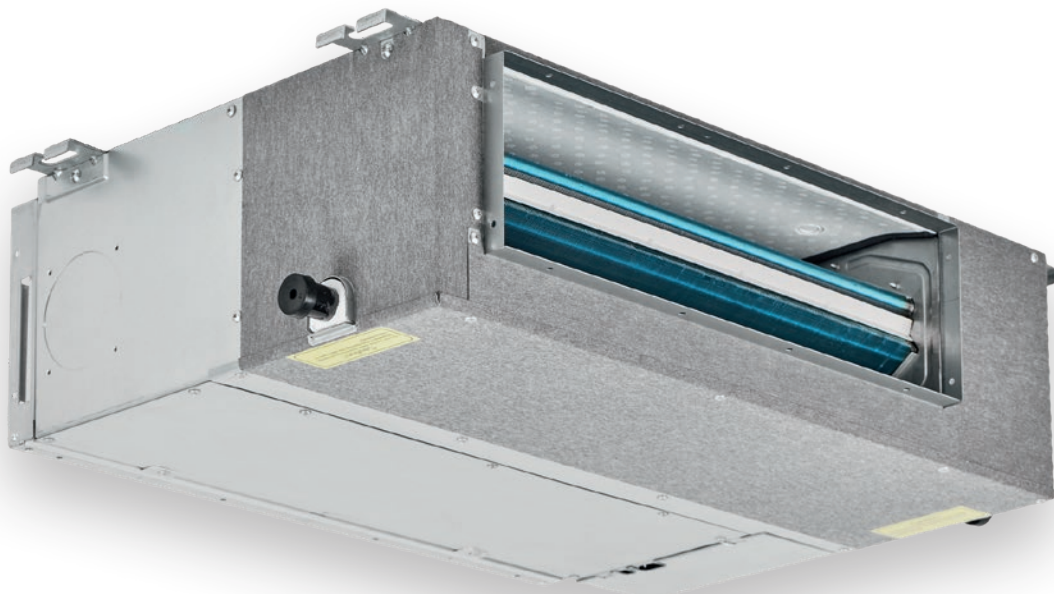
Technical data

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-36R32INTS OU	UNVS-42R32INTS OU	UNVS-42R32INTT OU	UNVS-48R32INT 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
	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
	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 [W × D × H]		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
	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 [W × D × H]		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
	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
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50							
		Heating	°C	-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Duct



Controller included
KJR-120N

THE DISTINGUISHING FEATURES:

- static pressure adjustment
- possibility to determine the direction of the air intake from the back or from below
- integrated Wi-Fi
- BMS gateway connectable
- possibility to connect central controller
- wall-mounted controller with integrated Wi-Fi

Technical data

Set				ZMTI-12HF-N8-C1	ZMTI-18HF-N8-C1	ZMTI-24HF-N8-C1	ZMTI-36HF-N8-C1	ZMTI-36HFN-8-C3	ZMTI-42HF-N8-C1	ZMTI-42HFN-8-C3	ZMTI-48HFN-8-C3	ZMTI-55HFN-8-C3
Indoor unit				DCTS-12R32IVT IN	DCTS-18R32IVT IN	DCTB-24R32IVT IN	DCTB-36R32IVT IN	DCTB-36R32IVT IN	DCTB-42R32IVT IN	DCTB-42R32IVT IN	DCTB-48R32IVT IN	DCTB-55R32IVT IN
Outdoor unit				UNVS-12R32INT OU	UNVS-18R32INT OU	UNVS-24R32INT OU	UNVS-36R32INTS OU	UNVS-36R32INTT OU	UNVS-42R32INTS OU	UNVS-42R32INTT OU	UNVS-48R32INT 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	220-240/1/50
Outdoor unit power supply (V/phase/Hz)				220-240/1/50	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
Version				Reversible heat pump								
Cooling	Capacity	Rated	kW	3.52	5.28	7.03	10.55	10.55	12.02	12.02	14.07	15.24
		Min-Max	kW	0.53-3.99	2.55-5.86	3.28-8.16	2.75-11.14	2.73-11.78	2.93-12.31	2.93-12.31	3.52-15.53	4.10-17.29
	EER		kW/kW	3.35	3.45	3.21	2.67	2.64	2.86	2.79	2.93	2.90
	ErP energy class			A++	A++	A++	A++	A++	A++	A++	A++	A++
Heating	Capacity	Rated	kW	3.81	5.6	7.62	11.72	11.72	13.48	13.48	16.0	18.17
		Min-Max	kW	1.0-4.39	2.2-6.15	2.81-8.49	2.78-12.78	2.78-12.84	3.37-14.07	3.37-14.07	3.7-18.0	4.40-20.52
	ErP energy class			A+	A+	A+	A+	A+	A+	A+	A	A+
Indoor unit	Dimensions (W × D × H)		mm	700×450×200	880×674×210	1100×774×249	1360×774×249	1360×774×249	1200×874×300	1200×874×300	1200×874×300	1200×874×300
	Sound pressure level (quiet/low/medium/high)		dB(A)	23/29/30.5/34.5	26/34/38/41	27/37/40/42	42/46/48/49.5	42.5/46/48/49.5	43/48/49/51.5	43/48/49/51.5	42/47/49/50	47/49/52.5
	Sound power level		dB(A)	58	58	62	61	61	67	67	66	66
Outdoor unit	Dimensions (W × D × H)		mm	765×303×555	805×330×554	890×342×673	946×410×810	946×410×810	946×410×810	946×410×810	952×415×1333	952×415×1333
	Sound pressure level		dB(A)	54	56	60	63	63	63	63	63.5	64
	Sound power level		dB(A)	62	65	69	70	70	72	72	74	75
Refrigerant	Type			R32	R32	R32	R32	R32	R32	R32	R32	R32
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50								
		Heating	°C	-20 ~ 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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

Duct BIG Inverter



Controller included
WDC-86E/KD



Available as an option
WDC-120G/WK(A)

THE DISTINGUISHING FEATURES:

- high static pressure
- capacity up to 56.0 kW
- wall-mounted controller included
- BMS gateway connectable
- possibility to connect central controller

Technical data

Set				ZBIG-200N1-C3	ZBIG-250N1-C3	ZBIG-280N1-C3	ZBIG-400N1-D3	ZBIG-450N1-D3	ZBIG-560N1-D3
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)	MDVO-VI400V2R1B	MDVO-VI450V2R1B	MDVO-VI560V2R1B
Indoor unit power supply (V/phase/Hz)				220-240/1/50					
Outdoor unit power supply (V/phase/Hz)				380-415/3/50					
Cooling	Capacity	Rated	kW	20	25	28	40	45	56
Heating	Capacity	Rated	kW	22.5	26.0	31.5	45.0	56.0	63.0
Indoor unit	Dimensions [W × D × H]		mm	1454×515×931			2010×680×905		
	Sound pressure level (low/medium/high)		dB(A)	47/48/49/49/50/50/51	47/48/49/49/50/50/51	47/48/49/49/50/50/51	52/54/55/57/58/59/60	52/54/55/57/58/59/60	51/53/55/56/57/58/59
Outdoor unit	Dimensions [W × D × H]		mm	1120×1558×528			1130×1760×580		
	Sound pressure level		dB(A)	58	59	60	59	60	61
Refrigerant	Type			R410A					
Recommended operating temperature ranges (outdoor)		Cooling	°C	-5 ~ 48			-15 ~ 55		
		Heating	°C	-20 ~ 24			-30 ~ 30		

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. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R410A GWP=2088). Sound pressure level measured 1.4 m below the unit (indoor unit) and 1 m in front of the unit and 1.3 m above the floor (outdoor unit) in a semi-anechoic chamber.

AIR Kit

THE DISTINGUISHING FEATURES:

- GoldenFin anti-corrosion coating
- stepless capacity control 0-10V
- drain pan heater
- compressor crankcase heater



Technical data

Set				AHU-KIT09-E1AF	AHU-KIT12-E1AF	AHU-KIT18-E1AF	AHU-KIT24-E1AF
Coil module				KA8142	KA8142	KA8142	KA8142
Outdoor unit				MOX133-09HFN8-QRD0N	MOX133-12HFN8-QRD0N	MOX330-18HFN8-QRD0N	MOX431-24HFN8-QRD0N
Outdoor unit power supply [V/phase/Hz]				220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Coil module power supply [V/phase/Hz]				220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Version				Reversible heat pump			
Cooling	Capacity	Rated	kW	2.6	3.5	5.3	7.0
		Min-Max	kW	0.9~3.4	1.1~4.2	0.34~5.83	2.1~7.9
	Rated input power		kW	0.73	1.21	1.55	2.60
	EER		kW/kW	3.60	2.89	3.42	2.69
Heating	Capacity	Rated	kW	2.9	3.8	5.6	7.3
		Min-Max	kW	0.8~3.4	1.1~4.2	3.1~5.85	1.6~7.9
	Rated input power		kW	0.73	1.10	1.57	2.40
	COP		kW/kW	3.97	3.45	3.57	3.04
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50			
		Heating	°C	-20 ~ 24			



Technical data

Set				AHU-KIT24-C1	AHU-KIT36-C1	AHU-KIT36-C3	AHU-KIT42-C1	AHU-KIT42-C3	AHU-KIT48-C3	AHU-KIT55-C3
Coil module				KA8142	KA8142	KA8142	KA8142	KA8142	KA8142	KA8142
Outdoor unit				UNVS-24R32INT OU	UNVS-36R32INTS OU	UNVS-36R32INTT OU	UNVS-42R32INTS OU	UNVS-42R32INTT OU	UNVS-48R32INT OU	UNVS-55R32INT OU
Outdoor unit power supply [V/phase/Hz]				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
Coil module 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
Version				Reversible heat pump						
Cooling	Capacity	Rated	kW	7.0	10.4	10.5	12.1	12.1	13.6	15.7
		Min-Max	kW	2.2-8.2	2.6-12.0	2.6-12.0	3.2-13.2	3.2-13.2	4.8-14.6	5.3-16.7
	Rated input power		kW	2.19	3.91	3.90	4.03	4.03	5.42	5.99
	EER		kW/kW	3.21	2.66	2.69	3.00	3.00	2.51	2.62
Heating	Capacity	Rated	kW	7.4	11.1	11.1	13.5	13.5	15.9	18.2
		Min-Max	kW	2.4-8.7	2.9-13.2	2.9-13.2	2.9-14.7	2.9-14.7	3.9-16.8	4.4-19.3
	Rated input power		kW	1.98	3.07	2.97	3.49	3.49	5.34	6.03
	COP		kW/kW	3.72	3.62	3.74	3.87	3.87	2.98	3.02
Recommended operating temperature ranges (outdoor)		Cooling	°C	-15 ~ 50						
		Heating	°C	-20 ~ 24						

Capacity is based on the following conditions:

Cooling: indoor temperature 27°C DB/19°C WB; outdoor temperature 35°C DB/15°C WB. Heating: indoor temperature 20°C DB/15°C WB; outdoor temperature 7°C DB/6°C WB. Piping length: the length of the connected pipes is 7.5 m, the height difference is 0 m. The equipment contains fluorinated greenhouse gases (R32 GWP=675).

AHUKZ-DM

THE DISTINGUISHING FEATURES:

- wide capacity range
- stepless capacity control 0-10V
- high performance in a compact housing (up to 61.5 kW)



Capacity: 20.0–61.5 kW



Technical data

Set		AHU-KIT200-C3	AHU-KIT224-C3	AHU-KIT260-D3	AHU-KIT280-D3	AHU-KIT335-D3	AHU-KIT400-D3	AHU-KIT450-D3	AHU-KIT500-D3	AHU-KIT560-D3	AHU-KIT615-D3
Outdoor unit		MVi-200WV2RN1(A)	MVi-224WV2RN1(A)	MDVO-Vi-252V2R1B	MDVO-Vi-280V2R1B	MDVO-Vi-335V2R1B	MDVO-Vi-400V2R1B	MDVO-Vi-450V2R1B	MDVO-Vi-500V2R1B	MDVO-Vi-560V2R1B	MDVO-Vi-615V2R1B
Control module		AHUKZ-01DM	AHUKZ-02DM	AHUKZ-02DM	AHUKZ-02DM	AHUKZ-02DM	AHUKZ-03DM	AHUKZ-03DM	AHUKZ-03DM	AHUKZ-03DM	AHUKZ-02DM + AHUKZ-02DM
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	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Control module 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	220-240/1/50	220-240/1/50
Version		Reversible heat pump									
Cooling	Rated capacity	kW	20.0	22.4	25.2	28.0	33.5	40.0	45.0	50.0	61.5
	Rated input power	kW	5.28	6.77	7.60	9.10	11.60	15.70	16.00	19.50	30.80
	EER		3.79	3.31	3.32	3.08	2.89	2.55	2.81	2.56	2.00
Heating	Rated capacity	kW	20.0	22.4	25.2	28.0	33.5	40.0	45.0	50.0	61.5
	Rated input power	kW	4.43	5.42	6.10	7.00	9.10	11.70	12.20	13.70	18.10
	COP		4.51	4.13	4.13	4.00	3.68	3.42	3.69	3.65	3.40
Refrigerant (type/charge)	- / kg	R410A / 6.5	R410A / 6.5	R410A / 6.1	R410A / 6.1	R410A / 6.1	R410A / 7.4	R410A / 8.0	R410A / 8.0	R410A / 8.5	R410A / 8.5
Refrigerant	Liquid	mm	9.53	9.53	Ø12.7	Ø12.7	Ø12.7	Ø15.9	Ø15.9	Ø15.9	Ø15.9
Refrigerant	Gas	mm	19.1	19.1	Ø25.4	Ø25.4	Ø25.4	Ø28.6	Ø28.6	Ø28.6	Ø28.6
Communication cable	mm²	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75
Dimensions (W × H × D)	mm	1120×1558×528	1120×1558×528	1130×1760×580	1130×1760×580	1130×1760×580	1130×1760×580	1250×1760×580	1250×1760×580	1250×1760×580	1250×1760×580
Weight	kg	143	143	182	182	185	187	214	214	234	234
Recommended operating temperature ranges (outdoor)	Cooling	°C	-5-48	-5-48	-15-55	-15-55	-15-55	-15-55	-15-55	-15-55	-15-55
	Heating	°C	-20-24	-20-24	-30-30	-30-30	-30-30	-30-30	-30-30	-30-30	-30-30

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

Sound pressure level is measured in a semi-anechoic chamber, at a distance of 1 m from the front of the unit and 1.3 m above the floor.

Piping length: the length of the connected pipes is 5.0m, the height difference is 0.

The equipment 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 the installer.

Capacity: 67.0–90.0 kW



Technical data

Set			AHU-KIT670-D3	AHU-KIT730-D3	AHU-KIT785-D3	AHU-KIT850-D3	AHU-KIT900-D3
Outdoor unit			MDVO-V8i670V2R1B(ECO)	MDVO-V8i730V2R1B(ECO)	MDVO-V8i785V2R1B(ECO)	MDVO-V8i850V2R1B(ECO)	MDVO-V8i900V2R1B(ECO)
Control module			AHUKZ-02DM + AHUKZ-02DM	AHUKZ-02DM + AHUKZ-03DM	AHUKZ-02DM + AHUKZ-03DM	AHUKZ-02DM + AHUKZ-03DM	AHUKZ-02DM + AHUKZ-03DM
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
Control module 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
Version			Reversible heat pump				
Cooling	Rated capacity	kW	67.0	73.0	78.5	85.0	90.0
	Rated input power	kW	31.31	35.44	32.40	37.80	43.90
	EER		2.14	2.06	2.42	2.25	2.05
Heating	Rated capacity	kW	67.0	73.0	78.5	85.0	90.0
	Rated input power	kW	19.14	22.12	23.09	25.07	27.78
	COP		3.50	3.30	3.40	3.39	3.24
Refrigerant (type/charge)		- / kg	R410A / 11.96	R410A / 11.96	R410A / 11.96	R410A / 11.96	R410A / 11.96
Refrigerant installation	Liquid	mm	Ø15.9	Ø22.2	Ø22.2	Ø22.2	Ø22.2
	Gas	mm	Ø28.6	Ø31.8	Ø34.9	Ø34.9	Ø34.9
Communication cable		mm ²	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75	3 × 0.75
Dimensions (W × H × D)		mm	1340×1760×825	1880×1760×825	1880×1760×825	1880×1760×825	1880×1760×825
Weight		kg	315	366	396	396	396
Recommended operating temperature ranges (outdoor)	Cooling	°C	-15-55	-15-55	-15-55	-15-55	-15-55
	Heating	°C	-30-30	-30-30	-30-30	-30-30	-30-30

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

Sound pressure level is measured in a semi-anechoic chamber, at a distance of 1 m from the front of the unit and 1.3 m above the floor.

Piping length: the length of the connected pipes is 5.0m, the height difference is 0.

The equipment 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 the installer.



EVO PRO + series

NEW

25.2 - 45.0 kW	50.0 - 67.0 kW	73.0 - 90.0 kW
		
96.0 - 180.0 kW	186.0 - 270.0 kW	
		

ONE PRO + series

NEW

7.2 - 18.0 kW			25.0 - 40.0 kW		45.0 - 61.0 kW	67.0 kW	73.0 - 90.0 kW	
			R410A					
								

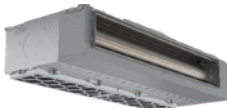


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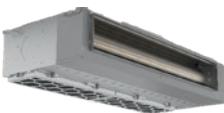
EVO Pro+

VRF INDOOR UNITS

VRF indoor units exclusively
for the ONE PRO + and EVO PRO +
systems

Type	Abbrev.	Image	1.5	1.8	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	10.0
Wall-mounted	WM		•		•	•	•	•	•		•	•		
Standard 4-way cassette	C4					•	•	•	•		•	•	•	•
Compact 4-way cassette	C4C		•		•	•	•	•	•	•				
Low static pressure duct (ARC)*	D1		•		•	•	•	•	•		•	•	•	
Medium static pressure duct	D2		•		•	•	•	•						
High static pressure duct*	D3								•		•	•	•	
1-way cassette*	C1			•	•	•	•	•	•		•			
2-way cassette*	C2				•	•	•	•	•		•			
Floor-ceiling*	CF						•	•	•		•	•	•	•
Standing (front air intake)*	FS4				•	•	•	•	•		•	•		
Standing (bottom air intake)*	FS5				•	•	•	•	•		•	•		
Standing (without casing)*	F3B				•	•	•	•	•		•	•		

* Available soon

11.2	12.5	14.0	16.0	18.0	20.0	22.4	25.2	28.0	33.5	40.0	45.0	56.0	Image	Abbrev.	Type
														WM	Wall-mounted
●		●	●	●										C4	Standard 4-way cassette
														C4C	Compact 4-way cassette
●														D1	Low static pressure duct (ARC)*
														D2	Medium static pressure duct
●	●	●	●	●	●	●	●	●	●	●	●	●		D3	High static pressure duct*
														C1	1-way cassette*
														C2	2-way cassette*
●	●	●												CF	Floor-ceiling*
														FS4	Standing (front air intake)*
														FS5	Standing (bottom air intake)*
														F3B	Standing (without casing)*

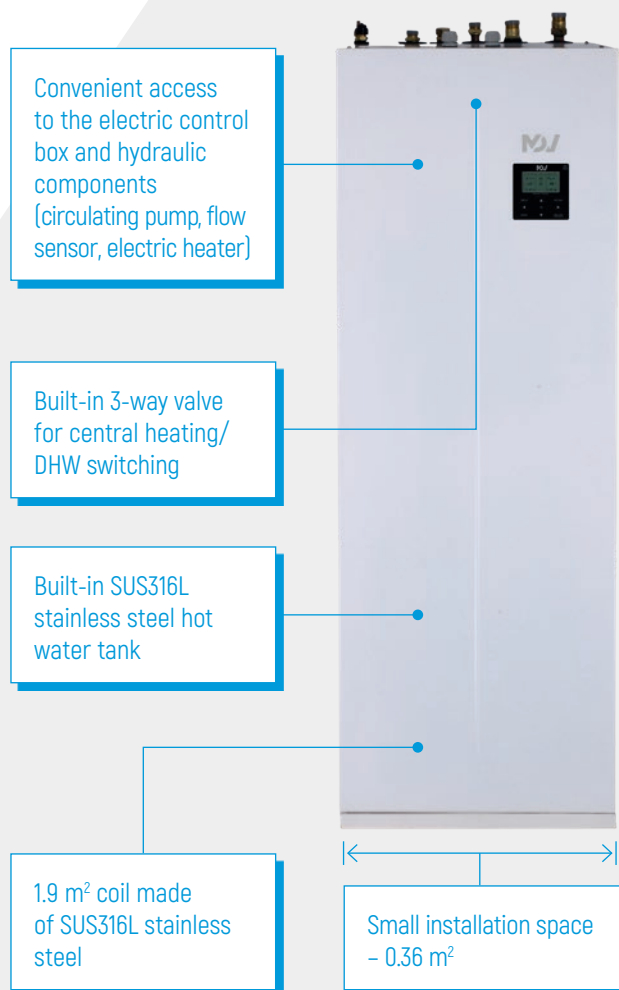
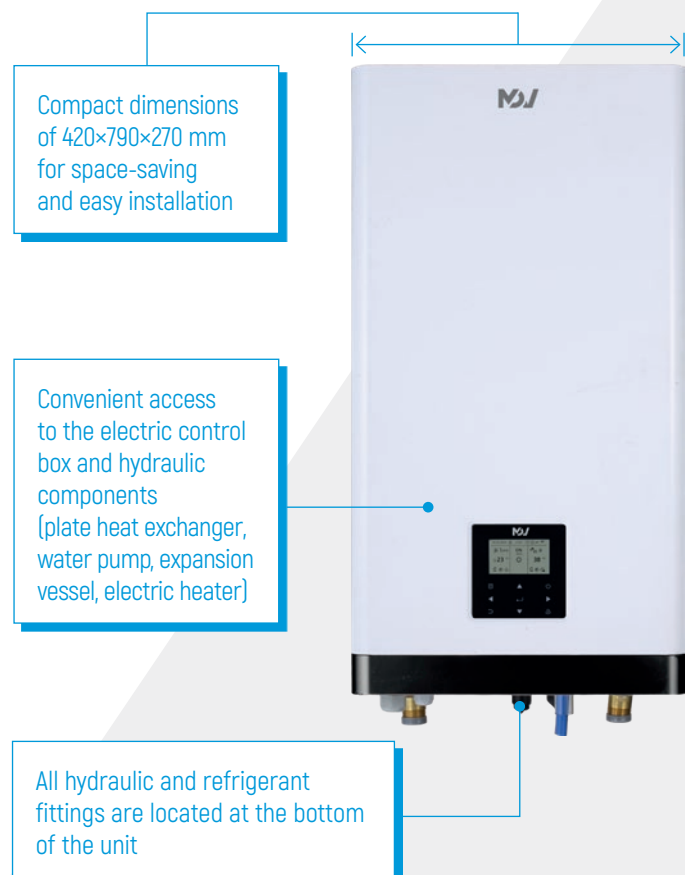
* Available soon



SPLIT systems

Year-round reliability

- Reversible heat pump for space heating, cooling and domestic hot water production
- Low running costs and optimum comfort even at the lowest external temperatures of -25°C
- The inverter compressor continuously adjusts speed to meet current load demand. Less frequent on and off cycles reduce energy consumption



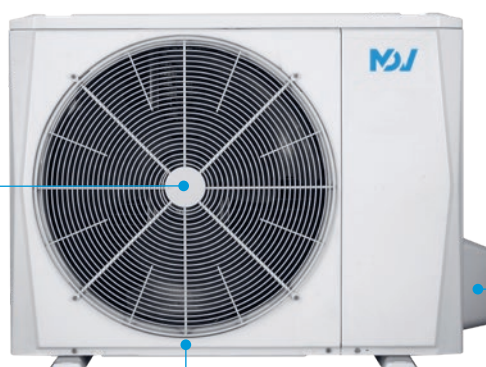
Easy installation

- High flexibility for quick and simple installation.
- Two capacities of the DHW tank: 190 litres and 240 litres.
- Units available with built-in electric heaters of 3-9 kW output and variable step control.

Eco-friendly R32 refrigerant with low global warming potential (GWP) and high energy efficiency.



Single fan (4-16 kW) especially designed to optimise the airflow



MONOBLOCK systems

Year-round reliability

- Water flow temperature up to 65°C
- Reliable operation guaranteed even at outdoor temperatures down to -25°C
- The system is equipped with a peak-time heat source consisting of 3 and 9 kW step-regulated electric heaters.

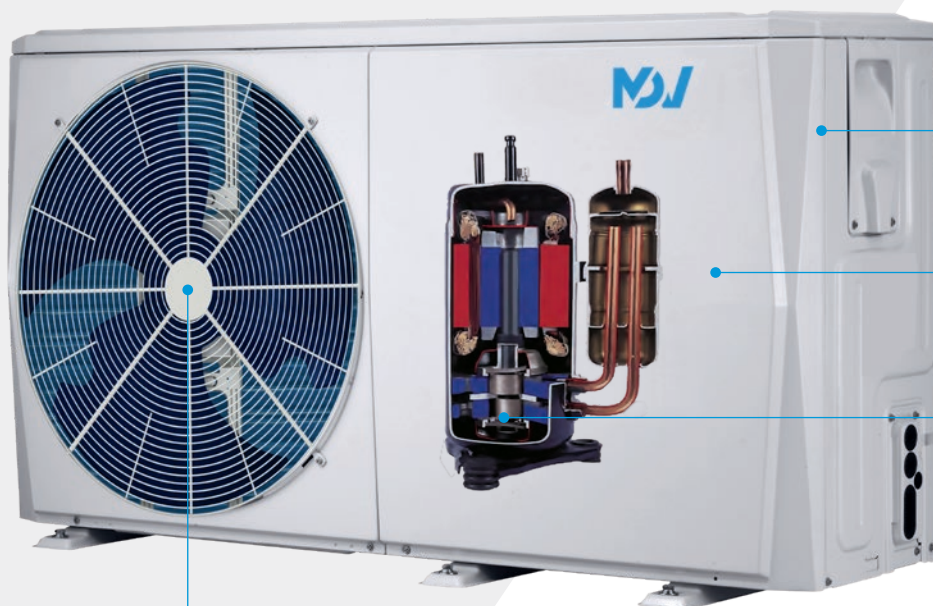
Simple installation

- Factory sealed refrigerant system
- Trouble-free installation – only water connections required
- Built-in drain pan and compressor crankcase heater

Eco-friendly R32 refrigerant with low global warming potential (GWP) and high energy efficiency.



A modern, compact design for anyone who appreciates simplicity and elegance.



Key hydraulic components such as plate heat exchanger, water pump, expansion vessel are integrated into the unit.

Turbine design designed to reduce sound pressure levels. In quiet operation mode, the Impact 4 kW monoblock generates a sound pressure of 38dB(A) at a distance of 3 m.

Mitsubishi compressors feature robust design and high quality engineering. The inverter technology represents precise control of the temperature in the rooms.



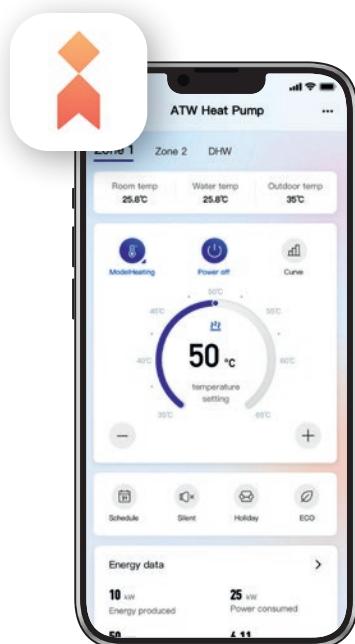
Advanced control options

Quick set-up and simple control of the heat pump with an easy-to-navigate controller.

Wired controller

FEATURES

- Quick and intuitive modification of operating parameters
- Real-time parameter monitoring
- Multilingual menu
- Built-in WiFi module
- Built-in temperature sensor
- Modbus RTU protocol – BMS integration



iLetComfort app

Users can control the heat pump from anywhere using an application on a smartphone or tablet.

The application allows the users to customise the settings to their individual preferences. This can include heating schedules, operating modes, energy saving, etc.

NEW

LetsLink application – Virtual installer

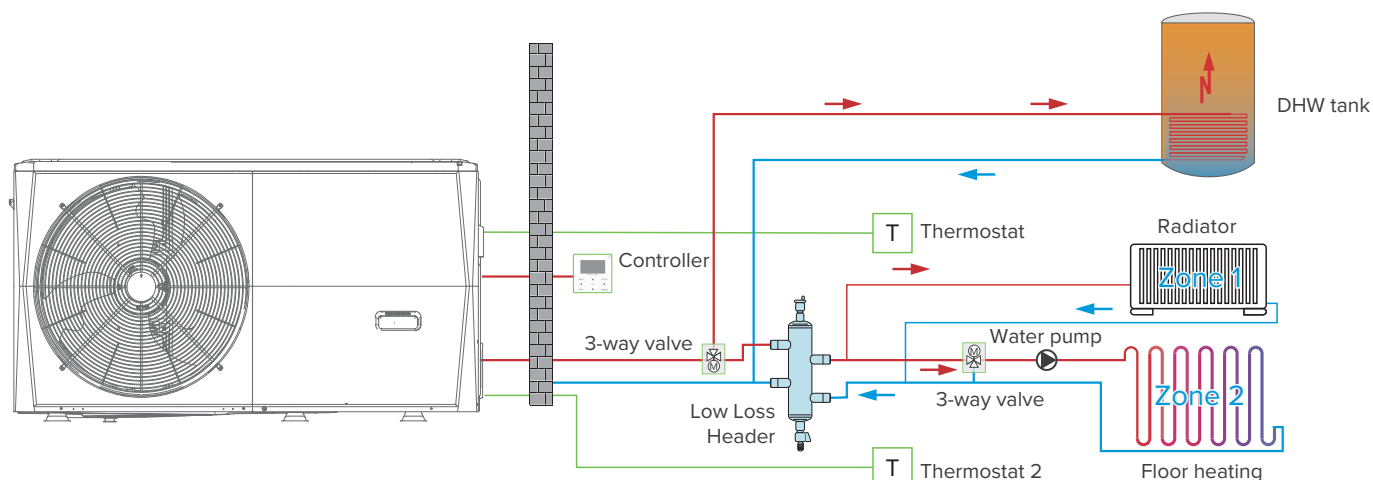
Remote access and faster identification of failures and possibility of quick service intervention.

Reduced costs related to the need to arrive personally to resolve problems.



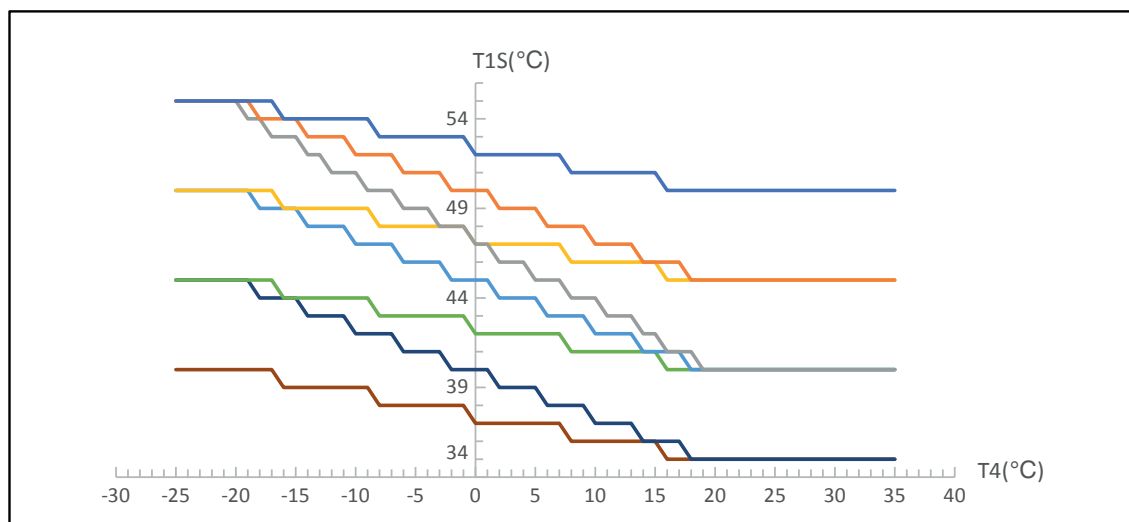
Two heating zones

Can be set from the controller. This function enables the user to customise the temperature to individual preferences. It saves energy and increases comfort.



Weather control

This function maintains the room temperature at a constant and optimum level. The water temperature is set automatically according to the changing outdoor temperature.



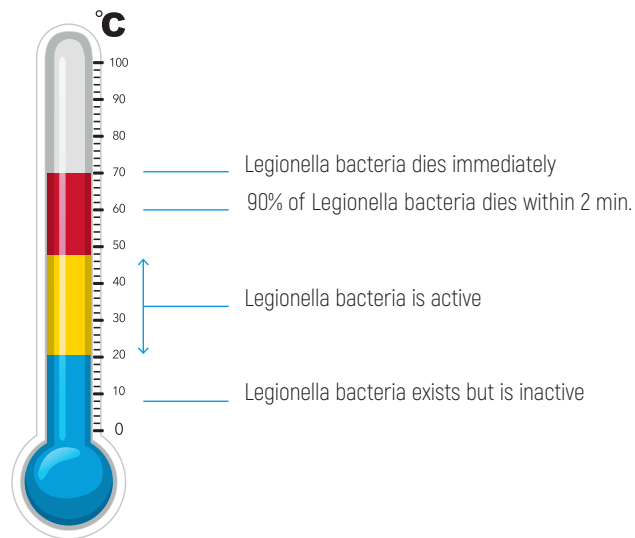
SG Ready function

The heat pump can be connected to a photovoltaic installation to supply electricity and store it as thermal energy in a DHW tank.



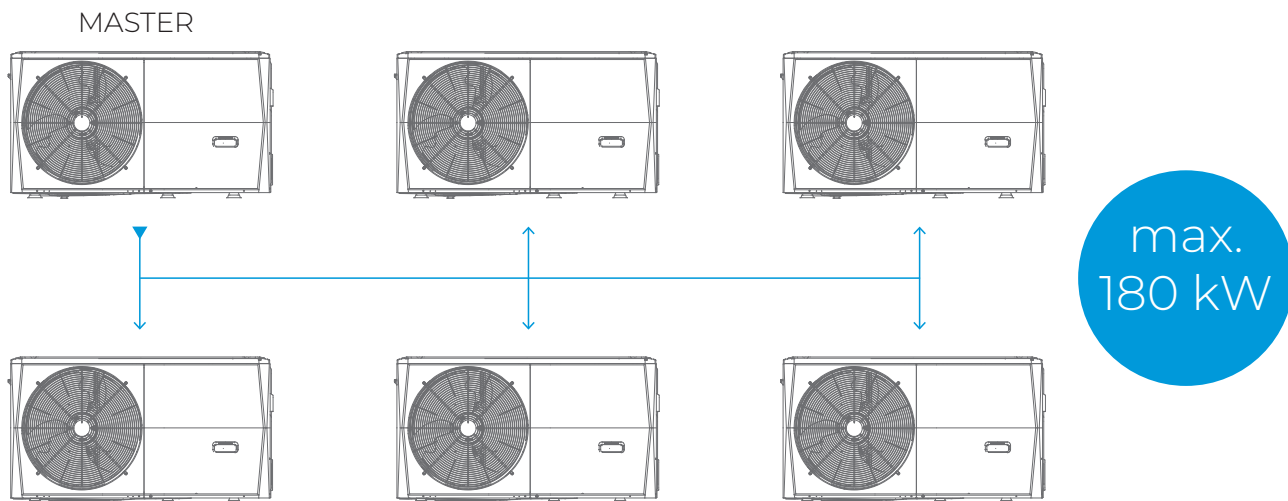
Disinfection function

It eliminates the harmful Legionella bacteria from the hot water, helping to maintain high hygienic standards. The disinfection system can operate automatically according to user settings. The maximum possible temperature setting is 70°C.



Cascade connections for the monoblock system

Units can be connected in a cascade to increase system capacity. The cascade can be created with a maximum of 6 units controlled from a single controller connected to the MASTER unit.

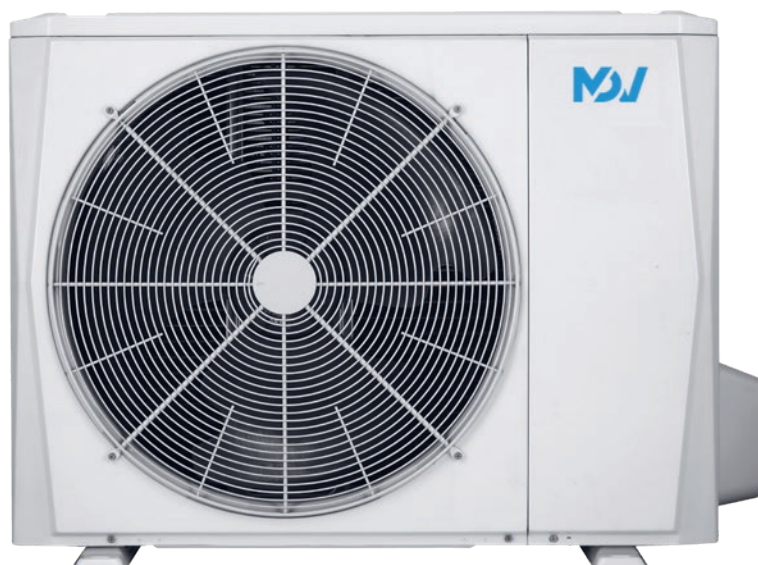


IMPACT All-In-One

Reversible air-to-water heat pump with integrated 190/240 litre domestic hot water tank.



Controller included
KJRH-120F/BMCO-E



Technical data

Set			MDV-AiO-4A1/190	MDV-AiO-4A1/240	MDV-AiO-6A1/190
Outdoor unit			AHPS-V4W/D2N8-B	AHPS-V4W/D2N8-B	AHPS-V6W/D2N8-B
Hydraulic unit			AHBT-A100/ 190CD30GN8-B	AHBT-A100/ 240CD30GN8-B	AHBT-A100/ 190CD30GN8-B
Outdoor unit power supply (voltage/no. of phases/frequency)		[V/-/Hz]	220-240/1/50	220-240/1/50	220-240/1/50
Hydraulic unit power supply (voltage/no. of phases/frequency)		[V/-/Hz]	220-240/1/50	220-240/1/50	220-240/1/50
Heating (1) (A7/W35)	Capacity	kW	4.25	4.25	6.20
Heating (2) (A7/W45)	Capacity	kW	4.35	4.35	6.35
Cooling (3) (A35/W7)	Capacity	kW	4.70	4.70	7.00
Cooling (4) (A35/W18)	Capacity	kW	4.50	4.50	6.55
Electric heater output		kW	3	3	3
Seasonal energy efficiency class (5)	Supply water temperature 35°C	-	A+++	A+++	A+++
	Supply water temperature 55°C	-	A++	A++	A++
Outdoor temperature operating range	Cooling	°C	-5÷43	-5÷43	-5÷43
	Heating	°C	-25÷35	-25÷35	-25÷35
	Domestic Hot Water	°C	-25÷43	-25÷43	-25÷43
Supply water temperature range	Cooling	°C	5-25	5-25	5-25
	Heating	°C	25-65	25-65	25-65
	Domestic Hot Water	°C	20-60	20-60	20-60
Sound power level (outdoor unit)		dB(A)	56	56	58
Sound power level (indoor unit)		dB(A)	38	38	38
Refrigerant (type/charge)		-/kg	R32/1.5	R32/1.5	R32/1.5
Outdoor unit	Dimensions (W/H/D)	mm	1008×712×426	1008×712×426	1008×712×426
Hydraulic unit	Dimensions (W/H/D)	mm	600×1683×600	600×1943×600	600×1683×600

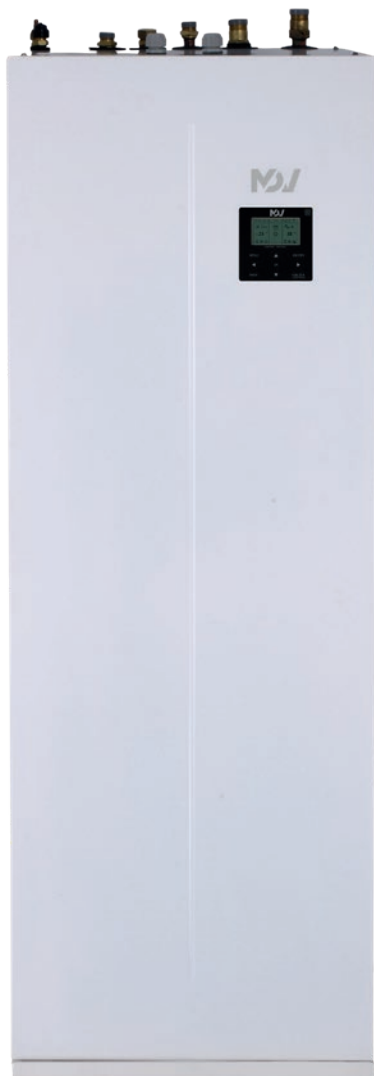
(1) DB/WB 7/6°C, LWT 35°C (ΔT = 5°C)

(2) DB/WB 7/6°C, LWT 45°C (ΔT = 5°C)

(3) DB 35°C, LWT 7°C (ΔT = 5°C)

(4) DB 35°C, LWT 18°C (ΔT = 5°C)

(5) The space heating seasonal energy efficiency class was tested under moderate climate conditions.



COP
5.20

A+++
W35

A++
W55



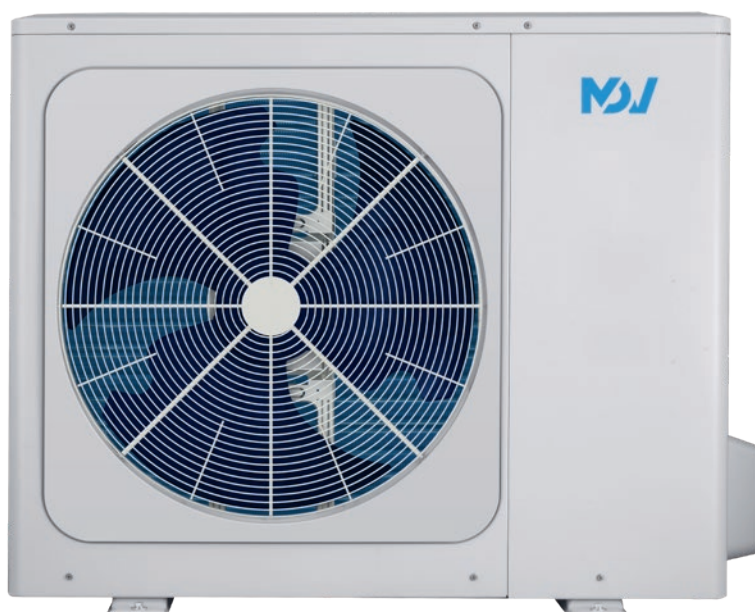
MDV-AiO-6A1/240	MDV-AiO-8A1/190	MDV-AiO-8A1/240	MDV-AiO-10A1/190	MDV-AiO-10A1/240	MDV-AiO-12A3/240
AHPS-V6W/D2N8-B	AHPS-V8W/D2N8-B	AHPS-V8W/D2N8-B	AHPS-V10W/D2N8-B	AHPS-V10W/D2N8-B	AHPS-V12W/D2RN8-B
AHBT-A100/ 240CDS90GN8-B	AHBT-A100/ 190CDS90GN8-B	AHBT-A100/ 240CDS90GN8-B	AHBT-A100/ 190CDS90GN8-B	AHBT-A100/ 240CDS90GN8-B	AHBT-A160/ 240CDS90GN8-B
220-240/1/50	220-240/1/50	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	380-415/3/50	380-415/3/50
6.20	8.30	8.30	10.00	10.00	12.10
6.35	8.20	8.20	10.00	10.00	12.30
7.00	7.40	7.40	8.20	8.20	11.60
6.55	8.40	8.40	10.00	10.00	12.00
3	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
A+++	A+++	A+++	A+++	A+++	A+++
A++	A++	A++	A++	A++	A++
-5÷43	-5÷43	-5÷43	-5÷43	-5÷43	-5÷43
-25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35
-25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43
5-25	5-25	5-25	5-25	5-25	5-25
25-65	25-65	25-65	25-65	25-65	25-65
20-60	20-60	20-60	20-60	20-60	20-60
58	59	59	60	60	64
38	40	40	40	40	44
R32/1.5	R32/1.65	R32/1.65	R32/1.65	R32/1.65	R32/1.84
1008×712×426	1118×865×523	1118×865×523	1118×865×523	1118×865×523	1118×865×523
600×1943×600	600×1683×600	600×1943×600	600×1683×600	600×1943×600	600×1943×600

IMPACT SPLIT

Reversible air-to-water heat pump with internal hydraulic module for the wall-mounted installation.



Controller included
KJRH-120F/BMCO-E



Technical data

Set			Air-Thermal -4A1HB	Air-Thermal -6A1HB	Air-Thermal -8A1HB	Air-Thermal -10A1HB	Air-Thermal -12A3HB	Air-Thermal -14A3HB	Air-Thermal -16A3HB
Outdoor unit			AHPS-V4W/ D2N8-B	AHPS-V6W/ D2N8-B	AHPS-V8W/ D2N8-B	AHPS-V10W/ D2N8-B	AHPS-V12W/ D2RN8-B	AHPS-V14W/ D2RN8-B	AHPS-V16W/ D2RN8-B
Hydraulic unit			AHB-A60/ CD30GN8-B	AHB-A60/ CD30GN8-B	AHB-A100/ CDS90GN8-B	AHB-A100/ CDS90GN8-B	AHB-A160/ CDS90GN8-B	AHB-A160/ CDS90GN8-B	AHB-A160/ CDS90GN8-B
Outdoor unit power supply (voltage/no. of phases/frequency)		[V/-/Hz]	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Hydraulic unit power supply (voltage/no. of phases/frequency)		[V/-/Hz]	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Heating (1) [A7/W35]	Capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00
Heating (2) [A7/W45]	Capacity	kW	4.35	6.35	8.20	10.00	12.30	14.20	16.00
Cooling (3) [A35/W7]	Capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00
Cooling (4) [A35/W18]	Capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90
Electric heater output		kW	3	3	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Seasonal energy efficiency class (5)	Supply water temperature 35°C	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	Supply water temperature 55°C	-	A++	A++	A++	A++	A++	A++	A++
Outdoor temperature operating range	Cooling	°C	-5-43	-5-43	-5-43	-5-43	-5-43	-5-43	-5-43
	Heating	°C	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35
	Domestic Hot Water	°C	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43
Supply water temperature range	Cooling	°C	5-25	5-25	5-25	5-25	5-25	5-25	5-25
	Heating	°C	25-65	25-65	25-65	25-65	25-65	25-65	25-65
	Domestic Hot Water	°C	20-60	20-60	20-60	20-60	20-60	20-60	20-60
Sound power level (outdoor unit)		dB(A)	56	58	59	60	64	65	68
Sound power level (indoor unit)		dB(A)	38	38	42	42	43	43	43
Refrigerant (type/charge)		-/kg	R32/1.5	R32/1.5	R32/1.65	R32/1.65	R32/1.84	R32/1.84	R32/1.84
Outdoor unit	Dimensions (W/H/D)	mm	1008×712×426	1008×712×426	1118×865×523	1118×865×523	1118×865×523	1118×865×523	1118×865×523
Hydraulic unit	Dimensions (W/H/D)	mm	420×790×270	420×790×270	420×790×270	420×790×270	420×790×270	420×790×270	420×790×270

(1) DB/WB 7/6°C, LWT 35°C (ΔT = 5°C)

(2) DB/WB 7/6°C, LWT 45°C (ΔT = 5°C)

(3) DB 35°C, LWT 18°C (ΔT = 5°C)

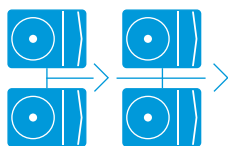
(4) DB 35°C, LWT 7°C (ΔT = 5°C)

(5) The space heating seasonal energy efficiency class was tested under moderate climate conditions



IMPACT MONO

Reversible air-to-water Monobloc system heat pump.



Controller included
KJRH-120F/BMCO-E



Technical data

Model			AHPM-V4W/D2N8-BE30	AHPM-V6W/D2N8-BE30	AHPM-V8W/D2N8-BE30	AHPM-V10W/D2N8-BE30
Power supply (voltage/no. of phases/frequency)		[V/-/Hz]	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Heating (1) [A7/W35]	Capacity	kW	4.20	6.35	8.40	10.00
Heating (2) [A7/W45]	Capacity	kW	4.30	6.30	8.10	10.00
Cooling (3) [A35/W7]	Capacity	kW	4.70	7.00	7.45	8.20
Cooling (3) [A35/W18]	Capacity	kW	4.50	6.50	8.30	9.90
Electric heater output		kW	3	3	3	3
Seasonal energy efficiency class (4)	Supply water temperature 35°C	-	A+++	A+++	A+++	A+++
	Supply water temperature 55°C	-	A++	A++	A++	A++
Outdoor temperature operating range	Cooling	°C	-5~43	-5~43	-5~43	-5~43
	Heating	°C	-25~35	-25~35	-25~35	-25~35
	Domestic Hot Water	°C	-25~43	-25~43	-25~43	-25~43
Supply water temperature range	Cooling	°C	5~25	5~25	5~25	5~25
	Heating	°C	25~65	25~65	25~65	25~65
	Domestic Hot Water	°C	20~60	20~60	20~60	20~60
Sound power level		dB(A)	55	58	59	60
Sound pressure level (5)		dB(A)	45.0	47.5	48.5	50.5
Refrigerant (type/charge)		-/kg	R32/1.4	R32/1.4	R32/1.4	R32/1.4
Dimensions (W/H/D)		mm	1295×718×429	1295×718×429	1385×865×526	1385×865×526

(1) DB/WB 7/6°C, LWT 35°C (ΔT = 5°C)

(2) DB/WB 7/6°C, LWT 45°C (ΔT = 5°C)

(3) DB 35°C, LWT 18°C (ΔT = 5°C)

(4) The space heating seasonal energy efficiency class was tested under moderate climate conditions.

(5) The sound pressure level is measured at a distance of 1 m from the unit and (1+H)/2 m (where H is the height of the unit) above the floor in the semi-anechoic chamber.



COP
5.15

A+++
W35

A++
W55



AHPM-V12W/D2RN8-BER90	AHPM-V14W/D2RN8-BER90	AHPM-V16W/D2RN8-BER90	AHPM-V18W/D2RN8	AHPM-V22W/D2RN8	AHPM-V26W/D2RN8	AHPM-V30W/D2RN8
380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
12.10	14.50	15.90	18.00	22.00	26.00	30.10
12.30	14.10	16.00	18.00	22.00	26.00	30.00
11.50	12.40	14.00	17.00	21.00	26.00	29.50
12.00	13.50	14.20	18.50	23.00	27.00	31.00
3/6/9	3/6/9	3/6/9	-	-	-	-
A+++	A+++	A+++	A+++	A+++	A+++	A++
A++	A++	A++	A++	A++	A+	A+
-5-43	-5-43	-5-43	-10-46	-10-46	-10-46	-10-46
-25-35	-25-35	-25-35	-25-35	-25-35	-25-35	-25-35
-25-43	-25-43	-25-43	-25-43	-25-43	-25-43	-25-43
5-25	5-25	5-25	0-25	0-25	0-25	0-25
25-65	25-65	25-65	25-60	25-60	25-60	25-60
20-60	20-60	20-60	30-60	30-60	30-60	30-60
65	65	68	71	73	75	77
53.5	54	58	57.6	59.8	61.5	63.5
R32/1.75	R32/1.75	R32/1.75	R32/5	R32/5	R32/5	R32/5
1385×865×526	1385×865×526	1385×865×526	1129×1558×440	1129×1558×440	1129×1558×440	1129×1558×440

Aqua Thermal Super

A single unit can provide space heating and cooling as well as hot water production. Best choice for new investments and buildings where existing heating systems are being replaced.

The best solutions for:

- Hospitals
- Office buildings
- Shopping malls
- Warehouses
- Airports
- Hotels



THE DISTINGUISHING FEATURES:

- anti-corrosion protection
- rotation and redundancy operation
- high efficiency
- wide operating temperature range
- multiple quiet operation modes
- intelligent weather compensation curves
- BMS communication
- cascade operation of up to 16 units
- R32 refrigerant

*soon

Capacity range

Model	Capacity [kW] A7W45	Version
MDVM-V65D2BR8-AS	65	Without hydraulic module
MDVM-V75D2BR8-AS	75	
MDVM-V110D2BR8-AS	110	
MDVM-V140D2BR8-AS	140	
MDVM-V65MD2BR8-AS	65	With hydraulic module
MDVM-V75MD2BR8-AS	75	
MDVM-V110MD2BR8-AS	110	
MDVM-V140MD2BR8-AS	140	



Technical data

Units without hydraulic module

Outdoor unit				MDVM-V65D2BR8-AS	MDVM-V75D2BR8-AS	MDVM-V110D2BR8-AS	MDVM-V140D2BR8-AS
Power supply (voltage/phase/frequency)			V/-/Hz	380-415/3/50			
Cooling (A35W7)	Capacity	Rated	kW	57.00	70.00	100.00	130.00
Heating (A7W35)	Capacity	Rated	kW	64.0	77.0	112.0	142.0
Heating (A7W45)	Capacity	Rated	kW	65.0	75.0	110.0	140.0
Heating (A7W55)	Capacity	Rated	kW	64.0	66.0	106.0	126.0
Heating (A7W65)	Capacity	Rated	kW	60.0	61.0	100.0	110.0
Outdoor unit	Net dimensions (W × D × H)		mm	2000×960×1770	2000×960×1770	2220×1135×2300	2220×1135×2300
	Gross dimensions (W × D × H)		mm	2085×1030×1890	2085×1030×1890	2250×1180×2445	2250×1180×2445
	Net/gross weight		kg	440/455	440/455	670/690	670/690
	Airflow		m³/h	22000	28500	32500	50000
	Sound pressure level		dB(A)	64	69	64	73
Refrigerant	Type/charge		-/kg	R32/9	R32/9	R32/15.5*	R32/15.5*

Sound pressure level is the test average measured in a semi-anechoic chamber. The test position is directly 1m in front of the unit on all four sides and (1+H)/2 m (where H is the height of the unit) above the floor. When operating at the „in-situ“ position, the sound pressure level may be higher due to ambient noise.

Units with hydraulic module

Outdoor unit				MDVM-V65MD2BR8-AS	MDVM-V75MD2BR8-AS	MDVM-V110MD2BR8-AS	MDVM-V140MD2BR8-AS
Power supply (voltage/phase/frequency)			V/-/Hz	380-415/3/50			
Cooling (A35W7)	Capacity	Rated	kW	56.68	69.29	99.33	129.29
Heating (A7W35)	Capacity	Rated	kW	64.7	77.7	113.1	142.9
Heating (A7W45)	Capacity	Rated	kW	65.7	75.7	110.7	140.9
Heating (A7W55)	Capacity	Rated	kW	64.2	66.2	106.3	126.4
Heating (A7W65)	Capacity	Rated	kW	60.1	61.1	100.1	110.1
Outdoor unit	Net dimensions (W × D × H)		mm	2000×960×1770	2000×960×1770	2220×1135×2300	2220×1135×2300
	Gross dimensions (W × D × H)		mm	2085×1030×1890	2085×1030×1890	2250×1180×2445	2250×1180×2445
	Net/gross weight		kg	475/490	475/490	746/767	746/767
	Airflow		m³/h	22000	28500	32500	50000
	Sound pressure level		dB(A)	64	69	64	73
Refrigerant	Type/charge		-/kg	R32/9	R32/9	R32/15.5*	R32/15.5*

Sound pressure level is the test average measured in a semi-anechoic chamber. The test position is directly 1m in front of the unit on all four sides and (1+H)/2 m (where H is the height of the unit) above the floor. When operating at the „in-situ“ position, the sound pressure level may be higher due to ambient noise.

*Factory charge = 11.5kg (additional 4kg charge required on site)

Wireless

RG10 (SPLIT, MULTI wall-mounted series)

FEATURES

- Temperature increase and decrease by 1°C, minimum temperature 17°C, maximum temperature 30°C
- Operating mode change-over auto/cooling/drying/heating/ventilation
- Fan speed setting auto/low/medium/high
- Sleep function (saves energy at night)
- Fresh function – allows the ioniser to be activated
- Turbo (the unit reaches the set temperature in the shortest possible time)
- Self-cleaning
- Heating 8°C – prevents the room from being excessively cooled down during our absence
- Setting the unit's on/off time
- Louvre swing
- Adjusting the up/down angle of the louvres
- Follow me function – temperature sensor built in the remote controller
- Silence function – switches the indoor unit to quiet operation mode



Console



Aroma/Frost



Oasis



Blue XT

RM-05B (VRF IDUs for EVO and ONE as well as EVO PRO + and ONE PRO + systems)

FEATURES

- Operating mode setting auto/cooling/drying/heating/ventilation
- Temperature setpoint adjustment (up/down)
- Enable/disable indoor unit backlight
- Enable/disable quiet operation mode
- Switching the auxiliary heater on/off
- SET (settings) Configuration of fan speed settings
- LOCK Locking or unlocking the keys
- C/H function selection (cooling only or heating only)
- Fan speed setting (7 speeds)
- Adjusting the angle of the vertical louvres
- Louvre swing
- ECO function
- Schedule (air-conditioner on/off timer)
- Installation settings (setting the indoor unit address)



RG51A(2)/E (OFFICE STANDARD and MULTI series)

FEATURES

- Operating mode change-over auto/cooling/drying/heating/ventilation
- Vertical/horizontal louvre swing
- Sleep function (saves energy at night)
- Changing the angle of the louvres
- Self-cleaning
- Fan speed setting auto/low/medium/high
- Scheduling the air-conditioner's on/off time
- Turbo (the unit reaches the set temperature in the shortest possible time)
- Disabling sounds and LEDs of the device
- LOCK Locking or unlocking the keys



Multi Function Board

MFB module

OFFERS THE POSSIBILITY OF CONNECTION:

- KJR-120N wired controller
- CCM30 central controller
- CCM-180 central controller
- KJR-150 group controller
- On/Off port
- Alarm port
- 1st generation BMS gates (CCM08, CCM18, LONGW64, KNX1B/16/64)



Wired

KJR-120N (OFFICE STANDARD series)

NEW

FEATURES

- Wi-Fi (SK-107) Midea MSmartHome
- Static pressure setting
- Rotation operation
- Up to 16 devices can be grouped
- Weekly schedule
- Key lock
- Follow me with adjustable compensation
- Auto restart
- Timer
- Delay timer
- Temperature range setting
- Operation mode lock
- Highest and lowest temperature limit
- Engineering mode
- Turbo
- Sleep function



WDC-86E/K (SPLIT, MULTI and OFFICE series)

FEATURES

- Operating mode change-over auto/cooling/drying/heating/ventilation
- Temperature setting in 0.5°C or 1°C increments
- 7 fan speeds (can be limited to 3 speeds)
- Vertical louvre swing
- On/off timer
- Enable / disable indoor unit LED display
- Quiet operation function
- ECO function
- Filter cleaning reminder
- Lock function
- Checking and setting the indoor unit address
- Configuration of start-up parameters



NOTE: Schematic illustrations. Actual remote controller may differ in size and color of logo

WDC-86E/KD (BIG INVERTER series)

FEATURES

- Operating mode change-over auto/cooling/drying/heating/ventilation
- Temperature setpoint adjustment (up/down)
- Enable/disable indoor unit backlight
- Enable/disable quiet operation mode
- Switching the auxiliary heater on/off
- LOCK Locking or unlocking the keys
- Fan speed setting (7 speeds)
- Adjusting the angle of the vertical louvres
- Louvre swing
- ECO function
- Schedule (air-conditioner on/off timer)
- Installation settings (setting the indoor unit address)
- Follow me function – temperature sensor built in the remote controller
- Room temperature display
- Error codes display



WDC-120G/WK(A) (BIG INVERTER series)

FEATURES

- Operating mode change-over auto/cooling/drying/heating/ventilation
- Temperature setpoint adjustment (up/down)
- Current time display
- Current temperature display
- Extended setting function
- Enable/disable indoor unit backlight
- Enable/disable quiet operation mode
- Switching the auxiliary heater on/off
- LOCK Locking or unlocking the keys
- Fan speed setting (7 speeds)
- Adjusting the angle of the vertical louvres
- Louvre swing
- ECO function
- Schedule (air-conditioner on/off timer)
- Installation settings (setting the indoor unit address)
- Follow me function – temperature sensor built in the remote controller
- Room temperature display
- Error codes display



KJR-120C1* (SPLIT with MFB series and ducted units)

FEATURES

- Operating mode change-over auto/cooling/drying/heating/ventilation
- Fan speed setting auto/low/medium/high
- Up/down and right/left swing
- Error codes display
- Room temperature
- On/off timer
- Temperature setting
- Weekly programmer
- Follow me function – temperature sensor built in the remote controller
- LOCK Locking or unlocking the keys
- Static pressure setting



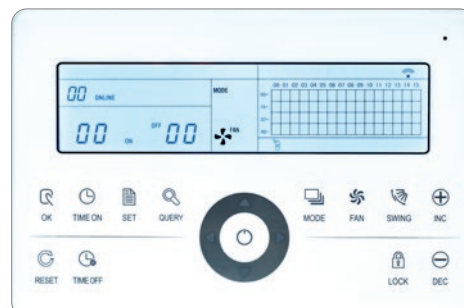
* until stocks last

Central

CCM30/BKE-A (SPLIT series with MFB, MULTI)

FEATURES

- Connection with up to 64 air-conditioners
- Individual or group control
- Operating mode setting
- Fan speed setting
- Setting the required temperature
- Timer
- LOCK Locking or unlocking the keys
- Louvre swing
- Cooling/Heating mode
- Ventilation



CCM-180A/WS (SPLIT series with MFB, MULTI, ONE PRO + and EVO PRO+)

FEATURES

- 6.2" colour touch screen display
- Connection of up to 64 indoor units or up to 8 refrigeration systems
- Advanced control
- Grouping of units (max. 20 groups)
- Weekly schedule
- Holiday mode
- 2 authorisation levels
- Control of the system settings
- Monitoring operation of indoor and outdoor units
- Error code register
- Error reports can be saved on USB
- Software update via USB



CCM-270B/WS (SPLIT series with MFB, MULTI, ONE PRO + and EVO PRO+)

FEATURES

- 10.1" colour touch screen display
- Connection of up to 384 indoor units or a maximum of 48 refrigeration systems (6 ports are available for connection of 8 systems)
- Distribution of electricity charges
- ECS function (monitoring of electricity consumption)
- System diagram
- Group management
- Monitoring operation of indoor and outdoor units
- Recognition of unit models
- Schedule management
- Error code register



NOTE: The appearance and specifications of each unit from the presented offer may slightly differ. For more details please consult our Technical and Commercial Advisor.

Wireless

RM12F1

FEATURES

- On/off, operation mode change, temperature adjustment $\pm 0.5^{\circ}\text{C}$
- Night/quiet mode
- Individual louvre adjustment
- 7 fan speeds
- Vertical and horizontal setting of the louvres
- Timer
- Setting the address and IDU parameters
- Self Cleaning Function

Note: RM12F1 controller does not support the follow me function



Wired individual and group

WDC3-86S

FEATURES

- On/off, operation mode change, temperature adjustment $\pm 0.5^{\circ}\text{C}$
- Group control (simultaneous) of up to 16 units
- Setting the temperature limit
- Dirty filter indicator
- Key lock
- Follow me function
- Indoor and outdoor unit parameter verification and setting
- Checking IDU and ODU error codes
- 2 controllers can be connected to a single unit



WDC3-86T

FEATURES

- On/off, operation mode change, temperature adjustment $\pm 0.5^{\circ}\text{C}$
- Group control (individual) of up to 16 units
- Setting the temperature limit
- Dirty filter indicator
- Key lock, enable/disable sound
- Follow Me function
- Indoor and outdoor unit parameter verification and setting
- IDU address setting and checking IDU and ODU error codes
- Weekly schedule
- Built-in Wi-Fi module – control from MSmartHome app



WDC3-120T

FEATURES

- On/off, operation mode change, temperature adjustment $\pm 0.5^{\circ}\text{C}$
- Group control (individual) of up to 16 units
- Setting the temperature limit
- Dirty filter indicator
- Key lock, enable/disable sound
- Follow Me function
- Indoor and outdoor unit parameter verification and setting
- IDU address setting and checking IDU and ODU error codes
- Connecting two controllers to a single unit
- Weekly schedule
- Extended setting function
- Built-in Wi-Fi module – control from MSmartHome app



Central

TC3-10.1 (VRF EVO PRO + and ONE PRO + systems)

Central controller with 10.1" touch screen display. The controller supports 6 x RS-485 connections and each RS-485 bus can be connected to 8 refrigerant systems (each system with a maximum of 64 IDUs). This means that the TC3-10.1 controller can be connected to 48 refrigerant systems and 384 indoor units.

FEATURES

- 10.1" touch screen display
- Up to 48 refrigerant systems and 384 indoor units
- Individual or group control
- Parameter monitoring and control
- Monitoring electricity charge data
- Schedule function
- 2 authorisation levels
- Schedule and holiday settings
- Acquire operation status reports (via USB), operation log
- On/off, operation mode change, temperature adjustment
- Outdoor unit features: night mode, priority setting, energy saving mode (auto), energy saving mode
- LAN cable connectivity, network access



NOTE: Schematic illustrations. Actual remote controller may differ in size and color of logo

BMS gates

The EVO PRO + and One PRO + series offer the option of connecting an advanced building management system. The purpose of BMS automation is to integrate all the systems present on the site. The building automation system binds all systems into a complex structure, which allows the entire building to be managed effectively and cost-efficiently from one location. The BMS mainly integrates systems responsible for the control of building technical functionality. Depending on the type of communication protocol (BACnet, LonWorks, Modbus, KNX), we identify the following gateways:



GW3-BAC



GW3-LON



GW3-MOD



GW3-KNX

Additional accessories

GW3-Cloud Gateway (VRF EVO PRO + and ONE PRO + systems)

Connection with the Cloud Gateway enables saving and storing of all operating parameters of the device in the cloud. These include operating status, lock statuses, all operating parameters, etc. Users/ service technicians can query real-time and historical operating parameters at any time on a computer, tablet or smartphone.





