

1802-21V1712



V6-i SERIES VRF

ALL DC INVERTER

Commercial Air Conditioners 2018/2019



Midea CAC After-service Application

Midea CAC News Application



iOS Version

Android Version

iOS Version

Commercial Air Conditioner Division Midea Group

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

Specifications



Capacity		HP	8	10	12
Model			MV6-i252WV2GN1	MV6-i280WV2GN1	MV6-i335WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	25.2	28	33.5
		kBtu/h	86	95.5	114.3
	Power input	kW	5.5	6.7	8.9
	EER		4.55	4.2	3.75
Heating ²	Capacity	kW	25.2	1	33.5
		kBtu/h	86	95.5	114.3
	Power input	kW	4.8	5.5	7.6
	COP		5.2	5.1	4.4
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity		
	Maximum quantity		13	16	20
Compressors	Type		DC inverter		
	Quantity		1		
Fan motors	Type		DC		
	Quantity		1		
	Max. ESP	Pa	20 Default; 60 Customization Option		
Refrigerant	Type		R410A		
	Factory charge	kg	11		
Pipe connections ³	Liquid pipe	mm	Φ12.7		Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6
Airflow rate			11000		
Sound pressure level ⁴	dB(A)		58	58	60
Net dimensions (W×H×D)	mm		990×1635×790		
Packed dimensions (W×H×D)	mm		1090×1805×860		
Net weight	kg		227		
Gross weight	kg		242		
Ambient temp. operating range	Cooling	°C	-5 to 54		
	Heating	°C	-23 to 24		



Capacity		HP	14	16	18
Model			MV6-i400WV2GN1	MV6-i450WV2GN1	MV6-i500WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	40	45	50
		kBtu/h	136.5	153.5	170.6
	Power input	kW	11	12.9	14.7
	EER		3.65	3.5	3.4
Heating ²	Capacity	kW	40	45	50
		kBtu/h	136.5	153.5	170.6
	Power input	kW	9.3	10.7	12.2
	COP		4.3	4.2	4.1
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity		
	Maximum quantity		23	26	29
Compressors	Type		DC inverter		
	Quantity		1		
Fan motors	Type		DC		
	Quantity		1		
	Max. ESP	Pa	20 Default; 60 Customization Option		
Refrigerant	Type		R410A		
	Factory charge	kg	13		
Pipe connections ³	Liquid pipe	mm	Φ15.9		Φ19.1
	Gas pipe	mm	Φ31.8		Φ38.1
Airflow rate			13000		
Sound pressure level ⁴	dB(A)		60	61	62
Net dimensions (W×H×D)	mm		1340×1635×850		
Packed dimensions (W×H×D)	mm		1405×1805×910		
Net weight	kg		277		295
Gross weight	kg		304		322
Ambient temp. operating range	Cooling	°C	-5 to 54		
	Heating	°C	-23 to 24		

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications



Capacity		HP	20	22
Model			MV6-i560WV2GN1	MV6-i615WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)	
Cooling ¹	Capacity	kW	56	61.5
		kBtu/h	191.1	209.8
	Power input	kW	16	20.2
	EER		3.5	3.05
Heating ²	Capacity	kW	56	61.5
		kBtu/h	191.1	209.8
	Power input	kW	13.8	17.6
	COP		4.05	3.5
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity	
	Maximum quantity		33	36
Compressors	Type		DC inverter	
	Quantity		2	
Fan motors	Type		DC	
	Quantity		2	
	Max. ESP	Pa	20 Default; 60 Customization Option	
Refrigerant	Type		R410A	
	Factory charge	kg	17	
Pipe connections ³	Liquid pipe	mm	Φ19.1	
	Gas pipe	mm	Φ31.8	
Airflow rate			17000	
Sound pressure level ⁴	dB(A)		63	
Net dimensions (W×H×D)	mm		1340×1635×825	
Packed dimensions (W×H×D)	mm		1405×1805×910	
Net weight	kg		344	
Gross weight	kg		364	
Ambient temp. operating range	Cooling	°C	-5 to 54	
	Heating	°C	-23 to 24	



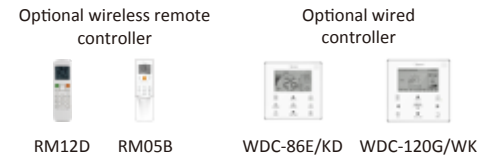
Capacity		HP	24	26	28	30	32
Model			MV6-i670WV2GN1	MV6-i730WV2GN1	MV6-i785WV2GN1	MV6-i850WV2GN1	MV6-i900WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)				
Cooling ¹	Capacity	kW	67	73	78.5	85	90
		kBtu/h	228.6	249.1	267.8	290	307.1
	Power input	kW	21.6	21.6	24.9	28.3	32.1
	EER		3.1	3.4	3.15	3	2.8
Heating ²	Capacity	kW	67	73	78.5	85	90
		kBtu/h	228.6	249.1	267.8	290	307.1
	Power input	kW	16.8	18.1	21.8	24.3	26.5
	COP		4	4.05	3.6	3.5	3.4
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity				
	Maximum quantity		39	43	46	50	53
Compressors	Type		DC inverter				
	Quantity		2				
Fan motors	Type		DC				
	Quantity		2				
	Max. ESP	Pa	20 Default; 60 Customization Option				
Refrigerant	Type		R410A				
	Factory charge	kg	22		25		
Pipe connections ³	Liquid pipe	mm	Φ19.1	Φ22.2			Φ38.1
	Gas pipe	mm	Φ31.8		Φ38.1		
Airflow rate			25000		24000		
Sound pressure level ⁴	dB(A)		64				
Net dimensions (W×H×D)	mm		1730×1830×850				
Packed dimensions (W×H×D)	mm		1800×2000×910				
Net weight	kg		407	429	475		
Gross weight	kg		430	452	507		
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-23 to 24				

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Diameters given are those of the unit's stop valves.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

One-way Cassette

- Fresh air intake
- One-way air discharge, ideal for corner locations
- Drain pump with 750mm pump head fitted as standard



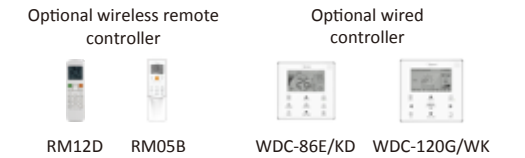
Model	MI2-18Q1DHN1	MI2-22Q1DHN1	MI2-28Q1DHN1	MI2-36Q1DHN1		
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6
		kBtu/h	6.1	7.5	9.6	12.3
	Power input	W	25	25	30	30
Heating ²	Capacity	kW	2.2	2.6	3.2	4.0
		kBtu/h	7.5	8.9	10.9	13.6
	Power input	W	25	25	30	30
Air flow rate ³	m ³ /h	523/482/448/404/360/312/275		573/531/492/456/420/364/315		
Sound pressure level ⁴	dB(A)	37/36/35/34/32/31/30		39/38/37/36/35/35/34		
Main body	Net dimensions ⁵ (WxHxD)	mm 1054×153×425				
	Packed dimensions (WxHxD)	mm 1155×245×490				
	Net/Gross weight	kg 11.8/15.3		12.3/15.8		
Panel	Net dimensions (WxHxD)	mm 1180×25×465				
	Packed dimensions (WxHxD)	mm 1232×107×517				
	Net/Gross weight	kg 3.5/5.2				
Pipe connections	Liquid/Gas pipe	mm Φ6.35/Φ12.7				
	Drain pipe	mm OD Φ32				

Model	MI2-45Q1DHN1	MI2-56Q1DHN1	MI2-71Q1DHN1		
Power supply	1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	40	48	60
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	40	48	60
Air flow rate ³	m ³ /h	693/662/638/600/556/510/476	792/763/728/688/643/589/549	933/873/815/749/689/637/592	
Sound pressure level ⁴	dB(A)	41/40/39/38/37/36/35	42/41/40/39/38/37/36	44/43/42/41/39/38/37	
Main body	Net dimensions ⁵ (WxHxD)	mm 1275×189×450			
	Packed dimensions (WxHxD)	mm 1370×295×505			
	Net/Gross weight	kg 16.1/20.4	16.4/20.7	17.6/22.4	
Panel	Net dimensions (WxHxD)	mm 1350×25×505			
	Packed dimensions (WxHxD)	mm 1410×95×560			
	Net/Gross weight	kg 4/5.4			
Pipe connections	Liquid/Gas pipe	mm Φ6.35/Φ12.7	Φ9.53/Φ15.9		
	Drain pipe	mm OD Φ32			

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Two-way Cassette

- Two-way air discharge, perfect for limited ceiling space applications
- Drain pump with 750mm pump head fitted as standard



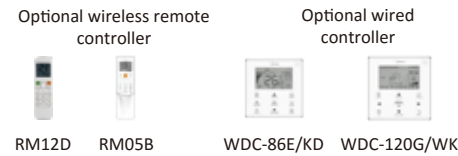
Model	MI2-22Q2DHN1	MI2-28Q2DHN1	MI2-36Q2DHN1		
Power supply	1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
	Power input	W	35	40	40
Heating ²	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.9	10.9	13.6
	Power input	W	35	40	40
Air flow rate ³	m ³ /h	654/612/571/530/488/449/410		725/679/641/591/554/509/458	
Sound pressure level ⁴	dB(A)	33/31/30/29/27/25/24		35/33/32/30/29/27/25	
Main body	Net dimensions ⁵ (WxHxD)	mm 1172×299×591			
	Packed dimensions (WxHxD)	mm 1355×400×675			
	Net/Gross weight	kg 33.5/42.0			
Panel	Net dimensions (WxHxD)	mm 1430×53×680			
	Packed dimensions (WxHxD)	mm 1525×130×765			
	Net/Gross weight	kg 10.5/15			
Pipe connections	Liquid/Gas pipe	mm Φ6.35/Φ12.7			
	Drain pipe	mm OD Φ32			

Model	MI2-45Q2DHN1	MI2-56Q2DHN1	MI2-71Q2DHN1		
Power supply	1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	50	69	98
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	50	69	98
Air flow rate ³	m ³ /h	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770	
Sound pressure level ⁴	dB(A)	37/36/35/34/32/31/30	39/37/36/35/33/31/30	44/42/41/40/38/36/34	
Main body	Net dimensions ⁵ (WxHxD)	mm 1172×299×591			
	Packed dimensions (WxHxD)	mm 1355×400×675			
	Net/Gross weight	kg 35/43.5			
Panel	Net dimensions (WxHxD)	mm 1430×53×680			
	Packed dimensions (WxHxD)	mm 1525×130×765			
	Net/Gross weight	kg 10.5/15			
Pipe connections	Liquid/Gas pipe	mm Φ6.35/Φ12.7	Φ9.53/Φ15.9		
	Drain pipe	mm OD Φ32			

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Compact Four-way Cassette

- Fresh air intake
- 360° airflow allows for even, wide-range cooling and heating
- Drain pump with 500mm pump head fitted as standard

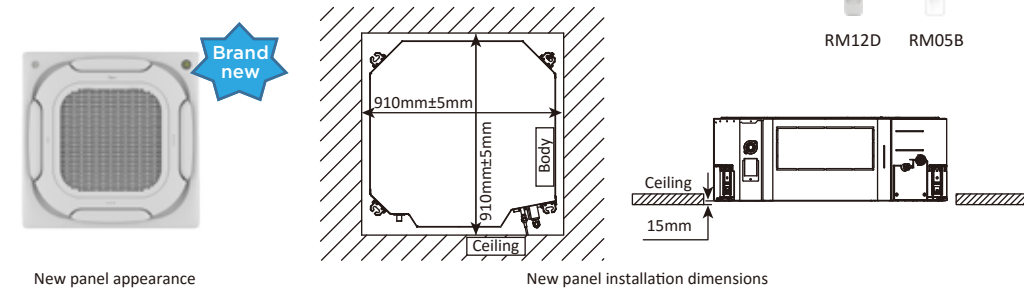
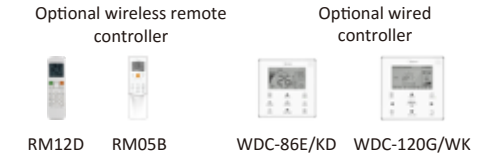


Model	MI2-22Q4CDHN1	MI2-28Q4CDHN1	MI2-36Q4CDHN1	MI2-45Q4CDHN1		
Power supply	1-phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5
		kBtu/h	7.5	9.6	12.3	15.4
	Power input	W	35	35	40	50
Heating ²	Capacity	kW	2.4	3.2	4.0	5.0
		kBtu/h	8.2	10.9	13.6	17.1
	Power input	W	35	35	40	50
Air flow rate ³	m ³ /h	576/552/524/503/462/441/405		604/573/541/516/478/434/400		
Sound pressure level ⁴	dB(A)	35/34/33/29/26/23/22		41/38/35/32/30/29/28		
Main body	Net dimensions ⁵ (WxHxD)	mm	630×260×570			
	Packed dimensions (WxHxD)	mm	700×330×660			
	Net/Gross weight	kg	18/23.5	19.2/24.7		
Panel	Net dimensions (WxHxD)	mm	647×50×647			
	Packed dimensions (WxHxD)	mm	715×123×715			
	Net/Gross weight	kg	2.5/4.5			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ32			

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Four-way Cassette

- Fresh air intake
- Four-way airflow, allows wide-angle, equal distribution of cooling and heating
- Drain pump with 750mm pump head fitted as standard
- Brand-new, elegant panel with four independently controlled louvers



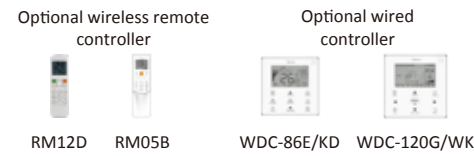
Model	MI2-28Q4DHN1	MI2-36Q4DHN1	MI2-45Q4DHN1	MI2-56Q4DHN1	MI2-71Q4DHN1		
Power supply	1 phase, 220-240V, 50/60Hz						
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6	7.1
		kBtu/h	9.6	12.3	15.4	19.1	24.2
	Power input	W	25	25	31	31	46
Heating ²	Capacity	kW	3.2	4.0	5.0	6.3	8.0
		kBtu/h	10.9	13.6	17.1	21.5	27.3
	Power input	W	25	25	31	31	46
Air flow rate ³	m ³ /h	982/935/877/832/788/732/677		1029/957/899/857/801/756/704		1200/1132/1065/996/920/866/748	
Sound pressure level ⁴	dB(A)	42/40/38/37/35/34/32		43/41/39/38/36/35/34		45/43/41/39/37/35/34	
Main body	Net dimensions ⁵ (WxHxD)	mm	904×230×840				
	Packed dimensions (WxHxD)	mm	955×260×955				
	Net/Gross weight	kg	21.3/25.8		23.2/27.6		
Panel	Net dimensions (WxHxD)	mm	950×54.5×950				
	Packed dimensions (WxHxD)	mm	1035×90×1035				
	Net/Gross weight	kg	5/8				
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9		
	Drain pipe	mm	OD Φ32				

Model	MI2-80Q4DHN1	MI2-90Q4DHN1	MI2-100Q4DHN1	MI2-112Q4DHN1	MI2-140Q4DHN1		
Power supply	1 phase, 220-240V, 50/60Hz						
Cooling ¹	Capacity	kW	8.0	9.0	10.0	11.2	14.0
		kBtu/h	27.3	30.7	34.1	38.2	47.8
	Power input	W	48	75	75	75	94
Heating ²	Capacity	kW	9.0	10.0	11.0	12.5	16.0
		kBtu/h	30.7	34.1	37.5	42.7	54.6
	Power input	W	48	75	75	75	94
Air flow rate ³	m ³ /h	1264/1195/1117/1055/975/893/811		1596/1477/1365/1239/1154/1087/1034		1727/1622/1517/1426/1351/1289/1224	
Sound pressure level ⁴	dB(A)	46/44/42/40/38/36/35		47/45/43/41/39/37/36		50/48/46/45/38/36/35	
Main body	Net dimensions ⁵ (WxHxD)	mm	904×230×840		904×300×840		
	Packed dimensions (WxHxD)	mm	955×260×955		955×330×955		
	Net/Gross weight	kg	23.2/27.6		28.4/33.8		30.7/35.8
Panel	Net dimensions (WxHxD)	mm	950×54.5×950				
	Packed dimensions (WxHxD)	mm	1035×90×1035				
	Net/Gross weight	kg	5/8				
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9				
	Drain pipe	mm	OD Φ32				

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Medium Static Pressure Duct

- Fresh air intake
- 6-step static pressure control on 2.2kW to 7.1kW models and 10-step static pressure control on 8kW to 14kW units (requires latest generation wired controllers)
- Drain pump with 750mm pump head fitted as standard
- Flexible installation for the air inlet may be positioned either on the underside or the rear of the unit



Model	MI2-22T2DHN1		MI2-28T2DHN1		MI2-36T2DHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	2.2	2.8	3.6	
		kBtu/h	7.5	9.6	12.3	
Heating ²	Capacity	kW	2.6	3.2	4.0	
		kBtu/h	8.2	10.9	13.6	
Air flow rate ³	m ³ /h	520/480/440/400/360/330/300			580/540/500/460/430/400/370	
External static pressure	Pa	10 (0~50)				
Sound pressure level ⁴	dB(A)	35/35/34/34/33/32/31				37/37/36/36/35/34/33
Unit	Net dimensions ⁵ (WxHxD)	mm	780×210×500			
	Packed dimensions (WxHxD)	mm	870×285×525			
	Net/Gross weight	kg	18/21			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7			
	Drain pipe	mm	OD Φ25			

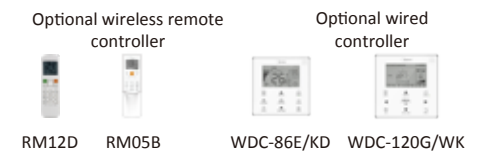
Model	MI2-45T2DHN1		MI2-56T2DHN1		MI2-71T2DHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	4.5	5.6	7.1	
		kBtu/h	15.4	19.1	24.2	
Heating ²	Capacity	kW	5.0	6.3	8.0	
		kBtu/h	17.1	21.5	27.3	
Air flow rate ³	m ³ /h	800/740/680/620/540/480/400		830/760/720/680/640/600/560		1000/960/900/840/780/720/680
External static pressure	Pa	10 (0~50)				
Sound pressure level ⁴	dB(A)	38/37/37/36/35/34/33		38/38/37/36/35/34/33		40/39/38/37/36/35/34
Unit	Net dimensions ⁵ (WxHxD)	mm	1000×210×500			1220×210×500
	Packed dimensions (WxHxD)	mm	1115×285×525			1335×285×525
	Net/Gross weight	kg	21.5/25			27.5/31.5
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7		Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ25			

Model	MI2-80T2DHN1		MI2-90T2DHN1		MI2-112T2DHN1		MI2-140T2DHN1		
Power supply	1 phase, 220-240V, 50/60Hz								
Cooling ¹	Capacity	kW	8.0	9.0	11.2	14.0			
		kBtu/h	27.3	30.7	38.2	47.8			
Heating ²	Capacity	kW	9.0	10.0	12.5	15.5			
		kBtu/h	30.7	34.1	42.7	52.9			
Air flow rate ³	m ³ /h	1260/1180/1100/1020/940/860/780		1500/1430/1360/1290/1210/1140/1080		1960/1860/1760/1660/1560/1460/1360			
External static pressure	Pa	20 (10~100)						40 (30~150)	
Sound pressure level ⁴	dB(A)	44/43/42/41/39/38/37			47/46/44/43/41/39/37		47/46/44/43/41/39/38		
Unit	Net dimensions ⁵ (WxHxD)	mm	1230×270×775				1290×300×865		
	Packed dimensions (WxHxD)	mm	1355×350×795				1400×375×925		
	Net/Gross weight	kg	36.5/44.5		37/45		46.5/55.5		
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9						
	Drain pipe	mm	OD Φ25						

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

High Static Pressure Duct

- External static pressure up to 400Pa facilitates extensive duct and grille network
- 20-step static pressure control on all models (requires latest generation wired controllers)
- A double-skin drainage pan provides double protection for ceilings (models 71 to 160)
- Drain pump with a 750mm pump head available as a customization option



Model	MI2-71T1DHN1		MI2-80T1DHN1		MI2-90T1DHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	7.1	8.0	9.0	
		kBtu/h	24.2	27.3	30.7	
Heating ²	Capacity	kW	8.0	9.0	10.0	
		kBtu/h	27.3	30.7	34.1	
Air flow rate ³	m ³ /h	1360/1333/1296/1264/1234/1197/1159		1360/1333/1296/1264/1234/1197/1159		1428/1378/1328/1285/1237/1195/1151
External static pressure	Pa	100 (30~ 200)				
Sound pressure level ⁴	dB(A)	46/46/45/45/44/43/42		46/46/45/45/44/43/42		50/49/48/48/47/46/45
Unit	Net dimensions ⁵ (WxHxD)	mm	952×420×690			
	Packed dimensions (WxHxD)	mm	1090×440×768			
	Net/Gross weight	kg	41/47			51/57
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ25			

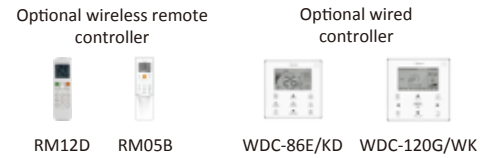
Model	MI2-112T1DHN1		MI2-140T1DHN1		MI2-160T1DHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	11.2	14.0	16.0	
		kBtu/h	38.2	47.8	54.6	
Heating ²	Capacity	kW	12.5	16.0	17.0	
		kBtu/h	42.7	54.6	58.0	
Air flow rate ³	m ³ /h	1886/1775/1695/1614/1528/1429/1354		2258/2127/2033/1927/1818/1707/1601		2608/2501/2354/2239/2099/2013/1879
External static pressure	Pa	100 (30~ 200)				
Sound pressure level ⁴	dB(A)	50/50/49/48/47/46/45		53/52/51/51/50/49/48		54/54/53/52/51/50/50
Unit	Net dimensions ⁵ (WxHxD)	mm	952×420×690			1300×420×690
	Packed dimensions (WxHxD)	mm	1090×440×768			1436×450×768
	Net/Gross weight	kg	51/57			63/70
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ19.1			
	Drain pipe	mm	OD Φ25			

Model	MI2-200T1DHN1		MI2-250T1DHN1		MI2-280T1DHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	20.0	25.0	28.0	
		kBtu/h	68.2	85.3	95.5	
Heating ²	Capacity	kW	22.5	26.0	31.5	
		kBtu/h	76.8	88.7	107.5	
Air flow rate ³	m ³ /h	4358/4237/4144/4043/3941/3837/3745				
External static pressure	Pa	170 (20~250)				
Sound pressure level ⁴	dB(A)	57/56/55/54/53/52/50				
Unit	Net dimensions ⁵ (WxHxD)	mm	1440×505×925			
	Packed dimensions (WxHxD)	mm	1509×550×990			
	Net/Gross weight	kg	130/142			
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2			
	Drain pipe	mm	OD Φ32			

- Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

Fresh Air Processing Unit

- 100% fresh air processing unit, both fresh air filtration and heating/cooling can be achieved in a single system
- External static pressure up to 400Pa facilitates extensive duct and grille network
- 20-step static pressure control on all models (requires latest generation wired controllers)
- Drain pump with a 750mm pump head available as a customization option



Model	MI2-125FADHN1		MI2-140FADHN1	
Power supply	1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	12.5	14.0
		kBtu/h	42.6	47.8
Power input	W		370	370
Heating ²	Capacity	kW	10.5	12.0
		kBtu/h	36.0	41.0
Power input	W		370	370
Air flow rate ³	m ³ /h	2440/2279/2117/1956/1794/1632/1470		
External static pressure	Pa	180 (30~200)		
Sound pressure level ⁴	dB(A)	52/51/51/50/50/49/48		
Unit	Net dimensions ⁵ (WxHxD)	mm	1300×420×690	
	Packed dimensions (WxHxD)	mm	1436×450×768	
	Net/Gross weight	kg	63/70	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ19.1	
	Drain pipe	mm	OD Φ25	

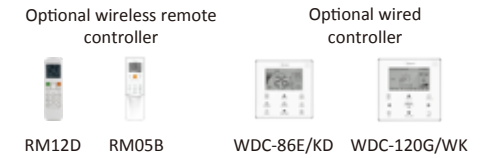
Model	MI2-200FADHN1		MI2-250FADHN1		MI2-280FADHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	20.0	25.0	28.0	
		kBtu/h	68.2	85.3	95.5	
Power input	W		615	670	670	
Heating ²	Capacity	kW	18.0	20.0	22.0	
		kBtu/h	61.4	68.2	75.0	
Power input	W		615	670	670	
Air flow rate ³	m ³ /h	3860/3699/3537/3376/3214/3053/2890				
External static pressure	Pa	200 (30~250)				
Sound pressure level ⁴	dB(A)	53/53/52/52/51/50/50				
Unit	Net dimensions ⁵ (WxHxD)	mm	1450×505×925			
	Packed dimensions (WxHxD)	mm	1509×550×990			
	Net/Gross weight	kg	130/142			
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2			
	Drain pipe	mm	OD Φ32			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

Wall Mounted Unit

- Three interchangeable panels allow units to blend easily with any interior decoration, perfect for rooms with no false ceilings or free floor space
- Refrigerant outlet direction can be left, right or rear as the installation situation requires



Model	MI2-22GDHN1		MI2-28GDHN1	
Power supply	1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
Power input	W		28	28
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
Power input	W		28	28
Air flow rate ³	m ³ /h	422/411/402/393/380/368/356		417/402/386/370/353/338/316
Sound pressure level ⁴	dB(A)	31/30/30/30/29/29/29		31/30/30/30/29/29/29
Unit	Net dimensions ⁵ (WxHxD)	mm	835×280×203	
	Packed dimensions (WxHxD)	mm	935×385×320	
	Net/Gross weight	kg	8.4/12.1	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ16	

Model	MI2-36GDHN1		MI2-45GDHN1		MI2-56GDHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	3.6	4.5	5.6	
		kBtu/h	12.3	15.4	19.1	
Power input	W		30	40	45	
Heating ²	Capacity	kW	4.0	5.0	6.3	
		kBtu/h	13.6	17.1	21.5	
Power input	W		30	40	45	
Air flow rate ³	m ³ /h	656/628/591/573/544/515/488		594/563/535/507/478/450/424		747/713/685/648/613/578/547
Sound pressure level ⁴	dB(A)	33/32/32/31/31/30/30		35/34/33/33/32/31/31		38/37/36/36/35/34/34
Unit	Net dimensions ⁵ (WxHxD)	mm	990×315×223			
	Packed dimensions (WxHxD)	mm	1085×420×335			
	Net/Gross weight	kg	11.4/15.5		12.8/16.9	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ16			

Model	MI2-71GDHN1		MI2-80GDHN1		MI2-90GDHN1	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	7.1	8.0	9.0	
		kBtu/h	24.2	27.3	30.7	
Power input	W		55	55	82	
Heating ²	Capacity	kW	8.0	9.0	10.0	
		kBtu/h	27.3	30.7	34.1	
Power input	W		55	55	82	
Air flow rate ³	m ³ /h	1195/1130/1065/1005/940/875/809		1195/1130/1065/1005/940/875/809		1421/1300/1125/1067/1005/934/867
Sound pressure level ⁴	dB(A)	44/43/42/39/38/37/36		44/43/42/39/38/37/36		48/46/45/43/41/40/38
Unit	Net dimensions ⁵ (WxHxD)	mm	1194×343×262			
	Packed dimensions (WxHxD)	mm	1290×375×460			
	Net/Gross weight	kg	17.0/22.4			
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ16			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Ceiling / Floor

- Can be installed either on the ceiling or floor



Optional wireless remote controller



RM12D RM05B

Optional wired controller



WDC-86E/KD WDC-120G/WK

Model			MI2-36DLH1	MI2-45DLH1	MI2-56DLH1	MI2-71DLH1
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
	Power input	W	49	115	115	115
Heating ²	Capacity	kW	4.0	5.0	6.3	8.0
		kBtu/h	13.6	17.1	21.5	27.3
	Power input	W	49	115	115	115
Air flow rate ³	m ³ /h	550/525/500/480/460/440/420	930/895/860/830/792/755/720			
Sound pressure level ⁴	dB(A)	40/39/38/37/36/36	43/42/41/41/39/38/38			
Unit	Net dimensions ⁵ (WxHxD)	mm	990×660×203			
	Packed dimensions (WxHxD)	mm	1089×744×296			
	Net/Gross weight	kg	26/32	28/34		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ16			

Model			MI2-80DLH1	MI2-90DLH1	MI2-112DLH1	MI2-140DLH1
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.2	30.7	38.2	47.8
	Power input	W	130	130	180	180
Heating ²	Capacity	kW	9.0	10.0	12.5	15.0
		kBtu/h	30.7	34.1	42.7	51.2
	Power input	W	130	130	180	180
Air flow rate ³	m ³ /h	1280/1245/1210/1170/1130/1085/1050			1890/1830/1765/1700/1660/1620/1580	
Sound pressure level ⁴	dB(A)	45/44/43/43/42/41/40			47/46/45/45/44/43/42	
Unit	Net dimensions ⁵ (WxHxD)	mm	1280×660×203		1670×680×244	
	Packed dimensions (WxHxD)	mm	1379×744×296		1915×760×330	
	Net/Gross weight	kg	35/41		48/58	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ16			

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Floor Standing Unit (Concealed)

- Designed to be concealed in walls with only the suction and discharge grills visible



Optional wireless remote controller



RM12D RM05B

Optional wired controller



WDC-86E/KD WDC-120G/WK

Model			MI2-22F3DHN1	MI2-28F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	40	45
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	40	45
Air flow rate ³	m ³ /h	530/504/478/456/439/418/400		569/540/515/485/462/443/421
Sound pressure level ⁴	dB(A)	36/35/34/33/31/30/29		36/35/34/33/31/30/29
Unit	Net dimensions ⁵ (WxHxD)	mm	840×545×212	
	Packed dimensions (WxHxD)	mm	925×639×305	
	Net/Gross weight	kg	21/25.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-36F3DHN1	MI2-45F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	55	60
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	55	60
Air flow rate ³	m ³ /h	624/591/557/522/473/420/375		660/625/583/542/501/475/440
Sound pressure level ⁴	dB(A)	37/36/35/34/32/31/30		37/36/35/34/32/31/30
Unit	Net dimensions ⁵ (WxHxD)	mm	1036×639×305	
	Packed dimensions (WxHxD)	mm	1125×639×305	
	Net/Gross weight	kg	25.5/30.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-56F3DHN1	MI2-71F3DHN1	MI2-80F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	88	110	130
Heating ²	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	88	110	130
Air flow rate ³	m ³ /h	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870	
Sound pressure level ⁴	dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33	
Unit	Net dimensions ⁵ (WxHxD)	mm	1340×545×212		
	Packed dimensions (WxHxD)	mm	1425×639×305		
	Net/Gross weight	kg	30.5/35.5		32/37
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		
	Drain pipe	mm	Φ16		



Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
All specifications are measured at 10Pa external static pressure.

Wireless Remote Controllers



Features

Model	 RM05B	 RM12D
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Address setting	●	●
Follow me	●	●
Eco mode	●	●
Night silent mode	●	●
Display shut-off	●	●
Daily timer	●	●
Keyboard lock	●	●
Background light	●	●
Dimensions (H×W×D) (mm)	150×65×20	170×48×20
Batteries	1.5V (LR03/AAA) × 2	

Wired Controllers



Features

Model	 WDC-86E/KD	 WDC-86E/K	 WDC-120G/WK
On / Off	●	●	●
Mode selection	●	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
Dual temperature set points	●	—	●
7-speed fan control	●	●	●
Auto swing	●	●	●
5-step swing louver	●	●	●
Address setting	●	●	●
Follow me	●	●	●
Eco mode	●	●	●
Room temperature display	●	—	●
°F/°C display	●	●	●
Keyboard lock	—	—	●
Background light	●	●	●
Daily timer	●	●	●
Weekly schedule timer	—	—	●
Auto restart	●	●	●
2 permission levels	—	—	●
Bi-directional communication	●	—	●
Group control	—	—	●
Main or secondary controller setting	●	—	●
Display shut-off	●	●	●
Night silent mode	●	●	●
Remote signal receiver	●	●	●
Clean filter reminder	●	●	●
Extension function	—	—	●
Daylight saving time	—	—	●
Clock display	—	—	●
Dot matrix display	—	—	●
Error check function	●	—	●
System parameter querying	●	—	●
System setting control	●	—	●
Dimensions (WxHxD) (mm)	86x86x18	86x86x18	120x120x20
Power supply	18 DC	5V DC	18 DC