

1802-20V1803



SERIES VRF

Commercial Air Conditioners 2018/2019



Midea CAC After-service Application



iOS Version



Android Version

Commercial Air Conditioner Division

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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	14
Model		MV6-252WV2GN1	MV6-280WV2GN1	MV6-335WV2GN1	MV6-400WV2GN1
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	25.2	28.0	33.5
	kW	86.0	95.5	114.3	136.5
	Power input	kW	5.3	6.3	8.7
	EER	kW/kW	4.75	4.45	3.85
Heating ²	Capacity	kW	25.2	28.0	33.5
	kW	86.0	95.5	114.3	136.5
	Power input	kW	4.6	5.2	6.6
	COP	kW/kW	5.50	5.40	5.10
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	13	16	20	23
Compressors	Type	DC inverter			
	Quantity	1			
Fan motors	Type	DC			
	Quantity	1			
Refrigerant	Max. ESP	20 default; 60 customization option			
	Pa				
Refrigerant	Type	R410A			
	Factory charge	kg	11		13
Pipe connections ³	Liquid pipe	mm	Φ12.7	Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4	Φ28.6	Φ31.8
Airflow rate	m ³ /h		11000		13000
Sound pressure level ⁴	dB(A)	58		60	
Net dimensions (WxHxD)	mm		990×1635×790		1340×1635×850
Packed dimensions (WxHxD)	mm		1090×1805×860		1405×1805×910
Net weight	kg		227		277
Gross weight	kg		242		304
Ambient temp.	Cooling	°C	-5 to 54		
operating range	Heating	°C	-23 to 24		



Capacity	HP	16	18	20	22
Model		MV6-450WV2GN1	MV6-500WV2GN1	MV6-560WV2GN1	MV6-615WV2GN1
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	45.0	50.0	56.0
	kW	153.5	170.6	191.1	209.8
	Power input	kW	12.0	12.5	15.1
	EER	kW/kW	3.75	4.00	3.70
Heating ²	Capacity	kW	45.0	50.0	56.0
	kW	153.5	170.6	191.1	209.8
	Power input	kW	9.8	10.6	12.7
	COP	kW/kW	4.60	4.70	4.40
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	26	29	33	36
Compressors	Type	DC inverter			
	Quantity	1		2	
Fan motors	Type	DC			
	Quantity	1		2	
Refrigerant	Max. ESP	20 default; 60 customization option			
	Pa				
Refrigerant	Type	R410A			
	Factory charge	kg	13	17	
Pipe connections ³	Liquid pipe	mm	Φ15.9	Φ19.1	
	Gas pipe	mm	Φ31.8	Φ31.8	
Airflow rate	m ³ /h	13000		17000	
Sound pressure level ⁴	dB(A)	61	62		63
Net dimensions (WxHxD)	mm	1340×1635×850		1340×1635×825	
Packed dimensions (WxHxD)	mm		1405×1805×910		
Net weight	kg	277		348	
Gross weight	kg	304		368	
Ambient temp.	Cooling	°C	-5 to 54		
operating range	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	24	26	28
Model		MV6-670WV2GN1	MV6-730WV2GN1	MV6-785WV2GN1
Power supply	V/Ph/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	67.0	73.0
	kW	228.6	249.1	267.8
	Power input	kW	18.1	20.9
	EER	kW/kW	3.70	3.49
Heating ²	Capacity	kW	67.0	73.0
	kW	228.6	249.1	267.8
	Power input	kW	14.9	17.6
	COP	kW/kW	4.50	4.15
Connectable	Total capacity	50-130% of outdoor unit capacity		
Indoor Unit	Max. quantity	39	43	46
Compressors	Type	DC inverter		
	Quantity	2		
Fan motors	Type	DC		
	Quantity	2		
Refrigerant	Max. ESP	20 default; 60 customization option		
	Pa			
Refrigerant	Type	R410A		
	Factory charge	kg	22	
Pipe connections ³	Liquid pipe	mm	Φ19.1	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8
Airflow rate	m ³ /h		25000	
Sound pressure level ⁴	dB(A)		64	
Net dimensions (WxHxD)	mm		1730 × 1830 × 850	
Packed dimensions (WxHxD)	mm		1800×2000×910	
Net weight	kg		430	
Gross weight	kg		453	
Ambient temp.	Cooling	°C	-5 to 54	
operating range	Heating	°C	-23 to 24	



Capacity Model			HP	30	32
				MV6-850WV2GN1	MV6-900WV2GN1
Power supply			V/Ph/Hz	380-415/3/50(60)	
Cooling ¹	Capacity		kW	85.0	90.0
			kBtu/h	290.0	307.1
	Power input		kW	27.4	31.0
			EER	kW/kW	3.10
Heating ²	Capacity		kW	85.0	90.0
			kBtu/h	290.0	307.1
	Power input		kW	23.0	25.7
			COP	kW/kW	3.70
Connectable	Total capacity		50-130% of outdoor unit capacity		
Indoor Unit	Max. quantity		50		53
Compressors	Type		DC inverter		
	Quantity		2		
Fan motors	Type		DC		
	Quantity		2		
	Max. ESP	Pa	20 default; 60 customization option		
	Type		R410A		
Refrigerant	Factory charge	kg	25		
Pipe connections ³	Liquid pipe	mm	Φ22.2		
	Gas pipe	mm	Φ38.1		
Airflow rate			m ³ /h	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	475	
Gross weight			kg	507	
Ambient temp.	Cooling	°C	-5 to 54		
operating range	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	34	36	38	40
Model		MV6-950WV2GN1	MV6-1015WV2GN1	MV6-1065WV2GN1	MV6-1120WV2GN1
Combination type		12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	95.0	101.5	106.5
		kBtu/h	324.1	346.3	363.4
	Power input	kW	27.1	28.2	30.4
	EER	kW/kW	3.51	3.59	3.51
Heating ²	Capacity	kW	95.0	101.5	106.5
		kBtu/h	324.1	346.3	363.4
	Power input	kW	21.6	23.5	24.8
	COP	kW/kW	4.40	4.32	4.30
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	56	59	63	64
Compressors	Type	DC inverter			
	Quantity	3			
Fan motors	Type	DC			
	Quantity	3			
Refrigerant	Max. ESP	Pa			
	Type	20 default; 60 customization option			
Pipe connections ³	Factory charge	kg	11+17	13+17	11+22
	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1
Airflow rate	Gas pipe	mm	Φ31.8	Φ38.1	Φ38.1
	m ³ /h	28000	30000	36000	36000
Sound pressure level ⁴	dB(A)	65			
Net dimensions (WxHxD)	mm	(990×1635×790)+(1340×1635×825)	(1340×1635×850)+(1340×1635×825)	(990×1635×790)+(1730×1830×850)	(990×1635×790)+(1730×1830×850)
Packed dimensions (WxHxD)	mm	(1090×1805×860)+(1405×1805×825)	(1405×1805×910)×2	(1090×1805×860)+(1800×2000×910)	(1090×1805×860)+(1800×2000×910)
Net weight	kg	227+348	277+348	227+430	227+430
Gross weight	kg	242+368	304+368	242+453	242+453
Ambient temp.	Cooling	°C	-5 to 54		
operating range	Heating	°C	-23 to 24		



Capacity	HP	42	44	46	48
Model		MV6-1175WV2GN1	MV6-1230WV2GN1	MV6-1285WV2GN1	MV6-1345WV2GN1
Combination type		20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	117.5	123.0	128.5
		kBtu/h	400.9	419.7	438.4
	Power input	kW	33.5	36.7	36.5
	EER	kW/kW	3.51	3.35	3.52
Heating ²	Capacity	kW	117.5	123.0	128.5
		kBtu/h	400.9	419.7	438.4
	Power input	kW	27.7	30.0	29.9
	COP	kW/kW	4.24	4.10	4.30
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64	64	64	64
Compressors	Type	DC inverter			
	Quantity	4			
Fan motors	Type	DC			
	Quantity	4			
Refrigerant	Max. ESP	Pa			
	Type	20 default; 60 customization option			
Pipe connections ³	Factory charge	kg	17×2	17×2	17×2
	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1
Airflow rate	Gas pipe	mm	Φ38.1	Φ38.1	Φ38.1
	m ³ /h	34000	42000	42000	42000
Sound pressure level ⁴	dB(A)	66			
Net dimensions (WxHxD)	mm	(1340×1635×825)×2	(1340×1635×825)×2	(1340×1635×825)×2	(1340×1635×825)×2
Packed dimensions (WxHxD)	mm	(1405×1805×910)×2	(1405×1805×910)×2	(1405×1805×910)×2	(1405×1805×910)×2
Net weight	kg	348×2	348×2	348×2	348×2
Gross weight	kg	368×2	368×2	368×2	368×2
Ambient temp.	Cooling	°C	-5 to 54		
operating range	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 for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
- 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	50	52	54	56
Model		MV6-1400WV2GN1	MV6-1460WV2GN1	MV6-1515WV2GN1	MV6-1570WV2GN1
Combination type		22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	140.0	146.0	151.5
		kBtu/h	477.7	498.2	516.9
	Power input	kW	42.5	41.8	45.1
	EER	kW/kW	3.29	3.49	3.36
Heating ²	Capacity	kW	140.0	146.0	151.5
		kBtu/h	477.7	498.2	516.9
	Power input	kW	35.7	35.2	38.3
	COP	kW/kW	3.93	4.15	3.96
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64	64	64	64
Compressors	Type	DC inverter			
	Quantity	4			
Fan motors	Type	DC			
	Quantity	4			
Refrigerant	Max. ESP	Pa			
	Type	20 default; 60 customization option			
Pipe connections ³	Factory charge	kg	17+22	22×2	22×2
	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1
Airflow rate	Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3
	m ³ /h	42000	50000	50000	50000
Sound pressure level ⁴	dB(A)	66			
Net dimensions (WxHxD)	mm	(1340×1635×825)+(1730×1830×850)	(1340×1635×825)+(1730×1830×850)	(1730×1830×850)×2	(1730×1830×850)×2
Packed dimensions (WxHxD)	mm	(1405×1805×910)+(1800×2000×910)	(1405×1805×910)+(1800×2000×910)	(1800×2000×910)×2	(1800×2000×910)×2
Net weight	kg	348+430	348+430	430×2	430×2
Gross weight	kg	368+453	368+453	453×2	453×2
Ambient temp.	Cooling	°C	-5 to 54		
operating range	Heating	°C	-23 to 24		



Capacity	HP	58	60	62	64
Model		MV6-1635WV2GN1	MV6-1685WV2GN1	MV6-1750WV2GN1	MV6-1800WV2GN1
Combination type		28HP+30HP	28HP+32HP	30HP+32HP	32HP+32HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	163.5	168.5	175.0
		kBtu/h	557.9	574.9	597.1
	Power input	kW	51.6	55.2	58.5
	EER	kW/kW	3.17	3.05	2.99
Heating ²	Capacity	kW	163.5	168.5	175.0
		kBtu/h	557.9	574.9	597.1
	Power input	kW	43.6	46.4	48.7
	COP	kW/kW	3.75	3.63	3.59
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64	64	64	64
Compressors	Type	DC inverter			
	Quantity	4			
Fan motors	Type	DC			
	Quantity	4			
Refrigerant	Max. ESP	Pa			
	Type	20 default; 60 customization option			
Pipe connections ³	Factory charge	kg	22+25	25×2	25×2
	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1
Airflow rate	Gas pipe	mm	Φ41.3	Φ41.3	Φ41.3
	m ³ /h	49000	48000	48000	48000
Sound pressure level ⁴	dB(A)	66			
Net dimensions (WxHxD)	mm	(1730×1830×850)×2	(1730×1830×850)×2	(1730×1830×850)×2	(1730×1830×850)×2
Packed dimensions (WxHxD)	mm	(1800×2000×910)×2	(1800×2000×910)×2	(1800×2000×910)×2	(1800×2000×910)×2
Net weight	kg	430+475	430+475	475×2	475×2
Gross weight	kg	453+507	453+507	507×2	507×2
Ambient temp.	Cooling	°C	-5 to 54		
operating range	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 for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
- 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	66	68	70	72
Model		MV6-1850WV2GN1	MV6-1915WV2GN1	MV6-1965WV2GN1	MV6-2020WV2GN1
Combination type		12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	185.0	191.5	196.5
		kBtu/h	631.2	653.4	670.5
	Power input	kW	58.1	59.3	61.4
	EER	kW/kW	3.18	3.23	3.20
Heating ²	Capacity	kW	185.0	191.5	196.5
		kBtu/h	631.2	653.4	670.5
	Power input	kW	47.3	49.2	50.5
	COP	kW/kW	3.91	3.89	3.82
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64			
Compressors	Type	DC inverter			
	Quantity	5			
Fan motors	Type	DC			
	Quantity	5			
Max. ESP	Pa	20 default; 60 customization option			
	Type	R410A			
Refrigerant	Factory charge	kg	11+17+25	13+17+25	11+22+25
Pipe	Liquid pipe	mm	Φ19.1	Φ22.2	Φ22.2
connections ³	Gas pipe	mm	Φ41.3	Φ44.5	Φ44.5
Airflow rate	m ³ /h	52000	54000	60000	60000
Sound pressure level ⁴	dB(A)	67			
Net dimensions (WxHxD)	mm	(990×1635×790)+(1340×1635×825)+(1730×1830×850)	(1340×1635×850)+(1340×1635×825)+(1730×1830×850)	(1340×1635×825)+(1730×1830×850)	(990×1635×790)+(1730×1830×850)×2
Packed dimensions (WxHxD)	mm	(1090×1805×860)+(1405×1805×910)+(1800×2000×910)	(1405×1805×910)×2+(1800×2000×910)	(1405×1805×860)+(1800×2000×910)×2	(1800×2000×910)×2
Net weight	kg	227+348+475	277+348+475	277+348+475	227+430+475
Gross weight	kg	242+368+507	304+368+507	304+368+507	242+453+507
Ambient temp.	Cooling	°C	-5 to 54	-5 to 54	-5 to 54
operating range	Heating	°C	-23 to 24	-23 to 24	-23 to 24



Capacity	HP	74	76	78	80
Model		MV6-2075WV2GN1	MV6-2130WV2GN1	MV6-2185WV2GN1	MV6-2245WV2GN1
Combination type		20HP+22HP+32HP	22HP+24HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	207.5	213.0	218.5
		kBtu/h	708.0	726.8	745.5
	Power input	kW	64.5	67.8	67.5
	EER	kW/kW	3.22	3.14	3.24
Heating ²	Capacity	kW	207.5	213.0	218.5
		kBtu/h	708.0	726.8	745.5
	Power input	kW	53.4	55.7	55.6
	COP	kW/kW	3.88	3.82	3.93
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64			
Compressors	Type	DC inverter			
	Quantity	6			
Fan motors	Type	DC			
	Quantity	6			
Max. ESP	Pa	20 default; 60 customization option			
	Type	R410A			
Refrigerant	Factory charge	kg	17×2+25	17×2+25	17×2+25
Pipe	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2
connections ³	Gas pipe	mm	Φ44.5	Φ44.5	Φ44.5
Airflow rate	m ³ /h	58000	66000	66000	66000
Sound pressure level ⁴	dB(A)	68			
Net dimensions (WxHxD)	mm	(1340×1635×825)×2+(1730×1830×850)	(1340×1635×825)×2+(1730×1830×850)	(1340×1635×825)×2+(1730×1830×850)×2	(1340×1635×825)×2+(1730×1830×850)×2
Packed dimensions (WxHxD)	mm	(1405×1805×910)×2+(1800×2000×910)	(1405×1805×910)×2+(1800×2000×910)	(1405×1805×910)×2+(1800×2000×910)×2	(1405×1805×910)×2+(1800×2000×910)×2
Net weight	kg	348+2+475	348+2+475	348+2+475	348+2+475
Gross weight	kg	368+2+507	368+2+507	368+2+507	368+2+507
Ambient temp.	Cooling	°C	-5 to 54	-5 to 54	-5 to 54
operating range	Heating	°C	-23 to 24	-23 to 24	-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 for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
- 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	82	84	86	88
Model		MV6-2300WV2GN1	MV6-2360WV2GN1	MV6-2415WV2GN1	MV6-2470WV2GN1
Combination type		22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	230.0	236.0	241.5
		kBtu/h	784.8	805.2	824.0
	Power input	kW	73.5	72.8	76.1
	EER	kW/kW	3.13	3.24	3.17
Heating ²	Capacity	kW	230.0	236.0	241.5
		kBtu/h	784.8	805.2	824.0
	Power input	kW	61.4	60.9	64.0
	COP	kW/kW	3.75	3.87	3.78
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64			
Compressors	Type	DC inverter			
	Quantity	6			
Fan motors	Type	DC			
	Quantity	6			
Max. ESP	Pa	20 default; 60 customization option			
	Type	R410A			
Refrigerant	Factory charge	kg	17+22+25	22×2+25	22×2+25
Pipe	Liquid pipe	mm	Φ22.2	Φ25.4	Φ25.4
connections ³	Gas pipe	mm	Φ44.5	Φ50.8	Φ50.8
Airflow rate	m ³ /h	66000	74000	74000	74000
Sound pressure level ⁴	dB(A)	68			
Net dimensions (WxHxD)	mm	(1340×1635×825)+(1730×1830×850)×2	(1340×1635×825)+(1730×1830×850)×2	(1730×1830×850)×3	(1730×1830×850)×3
Packed dimensions (WxHxD)	mm	(1405×1805×910)+(1800×2000×910)×2	(1405×1805×910)+(1800×2000×910)×2	(1800×2000×910)×3	(1800×2000×910)×3
Net weight	kg	348+430+475	430×2+475	430×2+475	430×2+475
Gross weight	kg	368+453+507	453×2+507	453×2+507	453×2+507
Ambient temp.	Cooling	°C	-5 to 54	-5 to 54	-5 to 54
operating range	Heating	°C	-23 to 24	-23 to 24	-23 to 24



Capacity	HP	90	92	94	96
Model		MV6-2535WV2GN1	MV6-2585WV2GN1	MV6-2650WV2GN1	MV6-2700WV2GN1
Combination type		28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP
Power supply	V/Ph/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	253.5	258.5	265.0
		kBtu/h	864.9	882.0	904.2
	Power input	kW	82.6	86.2	89.5
	EER	kW/kW	3.07	3.00	2.96
Heating ²	Capacity	kW	253.5	258.5	265.0
		kBtu/h	864.9	882.0	904.2
	Power input	kW	69.3	72.1	74.4
	COP	kW/kW	3.66	3.59	3.56
Connectable	Total capacity	50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity	64			
Compressors	Type	DC inverter			
	Quantity	6			
Fan motors	Type	DC			
	Quantity	6			
Max. ESP	Pa	20 default; 60 customization option			
	Type	R410A			
Refrigerant	Factory charge	kg	22+25×2	25+25×2	25+25×2
Pipe	Liquid pipe	mm	Φ25.4	Φ25.4	Φ25.4
connections ³	Gas pipe	mm	Φ50.8	Φ50.8	Φ50.8
Airflow rate	m ³ /h	73000	72000	72000	72000
Sound pressure level ⁴	dB(A)	68			
Net dimensions (WxHxD)	mm	(1730×1830×850)×3	(1730×1830×850)×3	(1730×1830×850)×3	(1730×1830×850)×3
Packed dimensions (WxHxD)	mm	(1800×2000×910)×3	(1800×2000×910)×3	(1800×2000×910)×3	(1800×2000×910)×3
Net weight	kg	430+475×2	475×3	475×3	475×3
Gross weight	kg	453+507×2	507×3	507×3	507×3
Ambient temp.	Cooling	°C	-5 to 54	-5 to 54	-5 to 54
operating range	Heating	°C	-23 to 24	-23 to 24	-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 for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
- 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.

Cassette Units



One-way Cassette



Two-way Cassette



Compact Four-way Cassette



Four-way Cassette



Auto Restart Function



Auto Addressing



Fresh Air



Auto Defrosting



Easy-cleaning Panel



Follow Me



Anti-cold Air Function



Built-in Drain Pump



LED Display



Built-in Filter



Independent Dehumidification



Timer



Auto Swing



Wired Controller

One-way Cassette

Only 153mm high >>

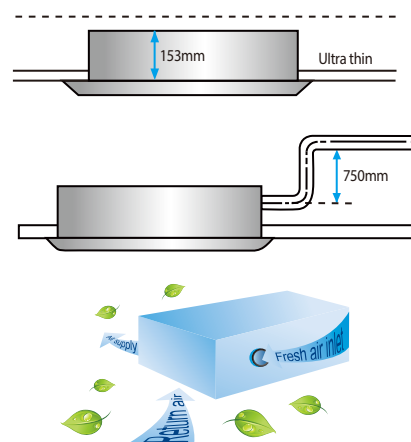
The slim, compact design make the One-way Cassette ideal for interiors with limited ceiling space. Models 18 to 36 are just 153mm high whilst models 45 to 71 are 189mm high.

High-lift Drain Pump >>

A drain pump with a 750mm pump head is fitted as standard.

Fresh Air Intake >>

A reserved outside air intake port allows outdoor air to be introduced directly into the unit, negating the need for a separate ventilation system.



Specifications

50Hz AC fan motors

Model			MDV-D18Q1/N1-D	MDV-D22Q1/N1-D	MDV-D28Q1/N1-D	MDV-D36Q1/N1-D	MDV-D45Q1/N1-D	MDV-D56Q1/N1-D	MDV-D71Q1/N1-D
Power supply			1-phase, 220-240V, 50Hz						
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	41	41	41	41	48	48	60
	Heating	W	41	41	41	41	43	44	55
Airflow rate(H/M/L)			m³/h 523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
Sound pressure level(H/M/L)			dB(A) 37/34/30	38/34/30	39/37/34	40/38/34	41/39/35	42/40/36	44/41/37
Main body	Net dim.(WxHxD)	mm	1054x153x425	1054x153x425	1054x153x425	1054x153x425	1275x189x450	1275x189x450	1275x189x450
	Packing dim.(WxHxD)	mm	1155x245x490	1155x245x490	1155x245x490	1155x245x490	1370x295x505	1370x295x505	1370x295x505
	Net/gross weight	kg	12.5/16	12.5/16	13/16.5	13/16.5	18.5/22.8	18.8/23.1	19.5/23.8
Panel	Net dim.(WxHxD)	mm	1180x25x465	1180x25x465	1180x25x465	1180x25x465	1350x25x505	1350x25x505	1350x25x505
	Packing dim.(WxHxD)	mm	1232x107x517	1232x107x517	1232x107x517	1232x107x517	1410x95x560	1410x95x560	1410x95x560
	Net/gross weight	kg	3.5/5.2	3.5/5.2	3.5/5.2	3.5/5.2	4/5.4	4/5.4	4/5.4
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller						

60Hz AC fan motors

Model			MDV-D18Q1/VN1-D	MDV-D22Q1/VN1-D	MDV-D28Q1/VN1-D	MDV-D36Q1/VN1-D	MDV-D45Q1/VN1-D	MDV-D56Q1/VN1-D	MDV-D71Q1/VN1-D
Power supply			1-phase,208-230V,60Hz						
Cooling capacity		kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	6100	7500	9600	12300	15400	19100	24200
Heating capacity		kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
		Btu/h	7500	8900	10900	13600	17100	21500	27300
Power input	Cooling	W	41	41	41	41	54	60	75
	Heating	W	41	41	41	41	44	50	65
Airflow rate(H/M/L)		m³/h	523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
		CFM	308/238/162	308/238/162	337/268/185	337/268/185	408/353/280	466/405/323	549/441/349
Sound pressure level(H/M/L)		dB(A)	37/34/30	38/34/30	39/37/34	40/38/34	41/39/35	42/40/36	44/41/37
Main body	Net dim.(W×H×D)	mm(in.)	1054×153×425(41-1/2×6-1/32×16-47/64)				1275×189×450(50-13/64×7-7/16×17-23/32)		
	Packing dim.(W×H×D)	mm(in.)	1155×245×490(45-15/32×9-41/64×19-19/64)				1370×295×505(53-15/16×11-39/64×19-7/8)		
	Net/gross weight	kg(lbs.)	12.5/16(27.8/35.3)				18.5/22.8(40.8/50.3) 18.8/23.1(41.4/50.9) 19.5/23.8(43.0/52.5)		
Panel	Net dim.(W×H×D)	mm(in.)	1180×25×465(46-29/64×63/64×18-5/16)				1350×25×505(53-5/32×63/64×19-7/8)		
	Packing dim.(W×H×D)	mm(in.)	1232×107×517(48-1/2×4-7/32×20-23/64)				1410×95×560(55-33/64×3-47/64×22-3/64)		
	Net/gross weight	kg(lbs.)	3.5/5.2(7.7/11.5)				4/5.4(8.8/11.9)		
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)					Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
Standard controller	Drain pipe	mm(in.)	Φ25(OD 63/64)						
			Wireless remote controller						

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

3. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

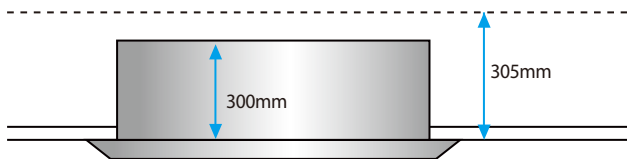
Two-way Cassette

Low Sound Level >>

The Two-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 24dB(A).

Stylish Design and Slim Body >>

A stylish design and slim body make the Two-way Cassette suited to any room's decor and ambience. At only 300mm high, it can be installed in most ceiling spaces.



High-lift Drain Pump >>

A drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping. Higher pump heads are available as a customization option.

High Airflow >>

A high airflow rate ensures even airflow and temperature throughout the room, even in high ceiling installations.



Specifications

50Hz AC fan motors

Model			MDV-D22Q2/N1	MDV-D28Q2/N1	MDV-D36Q2/N1	MDV-D45Q2/N1	MDV-D56Q2/N1	MDV-D71Q2/N1
Power supply			1-phase, 220-240V, 50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	57	57	60	92	108	154
	Heating	W	57	57	60	92	108	154
Airflow rate(H/M/L)		m³/h	654/530/410	725/591/458	725/591/458	850/670/550	980/800/670	1,200/1,000/770
Sound pressure level(H/M/L)		dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34
Main body	Net dim.(WxHxD)	mm	1172x299x591	1172x299x591	1172x299x591	1172x299x591	1172x299x591	1172x299x591
	Packing dim.(WxHxD)	mm	1355x400x675	1355x400x675	1355x400x675	1355x400x675	1355x400x675	1355x400x675
	Net/gross weight	kg	34/42.5	34/42.5	34/42.5	36/44.5	36/44.5	36/44.5
Panel	Net dim.(WxHxD)	mm	1430x53x680	1430x53x680	1430x53x680	1430x53x680	1430x53x680	1430x53x680
	Packing dim.(WxHxD)	mm	1525x130x765	1525x130x765	1525x130x765	1525x130x765	1525x130x765	1525x130x765
	Net/gross weight	kg	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller					

60Hz AC fan motors

Model			MDV-D22Q2/VN1	MDV-D28Q2/VN1	MDV-D36Q2/VN1	MDV-D45Q2/VN1	MDV-D56Q2/VN1	MDV-D71Q2/VN1
Power supply			1-phase,208-230V,60Hz					
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7500	9600	12300	15400	19100	24200
Heating capacity		kW	2.6	3.2	4.0	5.0	6.3	8.0
		Btu/h	8900	10900	13600	17100	21500	27300
Power input	Cooling	W	78	78	83	115	133	205
	Heating	W	78	78	83	115	133	205
Airflow rate(H/M/L)		m³/h	674/509/381	740/577/435	740/577/435	878/689/561	941/776/654	1236/1110/864
		CFM	397/300/224	436/340/256	436/340/256	517/406/330	554/457/385	727/653/509
Sound pressure level(H/M/L)		dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34
Main body	Net dim.(WxHxD)	mm(in.)	1172x299x591(46-9/32x11-49/64x23-17/64)					
	Packing dim.(WxHxD)	mm(in.)	1355x400x675(53-11/32x15-3/4x26-37/64)					
	Net/gross weight	kg(lbs.)	34/42.5(75/94)			36.5/45(80.5/99)		
Panel	Net dim.(WxHxD)	mm(in.)	1430x53x680(56-19/64x2-3/32x26-49/64)					
	Packing dim.(WxHxD)	mm(in.)	1525x130x765(60-3/64x5-1/8x30-1/8)					
	Net/gross weight	kg(lbs.)	10.5/15(23/33)					
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)					
Standard controller			Wireless remote controller					

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

3. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

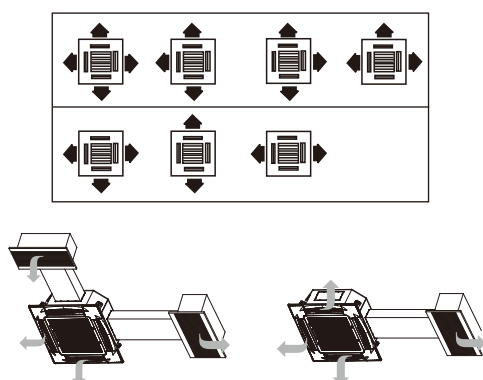
Four-way Cassette

Multiple Options >>

Three different versions of Four-way Cassette can be selected based on ceiling arrangements and user preference: Compact Four-way Cassette, Four-way Cassette and Silent Four-way Cassette

Multiple Airflow Patterns >>

Seven airflow patterns with up to four flow directions can be selected to suit the requirements of the installation site or the shape of the room. Sub-ducts may also be connected.

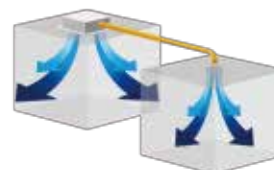


Fan Motor Options >>

Choose either AC or DC fan motors.

Sub Duct >>

Connecting a sub-duct enables an indoor unit to be used to also cool a smaller nearby space.



360° Airflow >>

The Compact Four-way Cassette's 360° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



High-lift Drain Pump >>

A drain pump with a 500mm pump head is fitted as standard to the Compact Four-way Cassette. Higher pump heads (of up to 600mm) are available as a customization option. On the Four-way Cassette and Silent Four-way Cassette a drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping.

Specifications

Compact Four-way Cassette (DC fan motors)

Model			MI-22Q4/DHN1-A3	MI-28Q4/DHN1-A3	MI-36Q4/DHN1-A3	MI-45Q4/DHN1-A3
Power supply			1-phase, 220-240V, 50/60Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4.0	5.0
Power input	Cooling	W	15	16	21	21
	Heating	W	13	13	18	18
Airflow rate(H/M/L)		m ³ /h	576/503/405	576/503/405	604/516/400	604/516/400
Sound pressure level(H/M/L)		dB(A)	34.8/32.4/22.4	34.8/32.4/22.4	40.5/34.6/27.8	40.5/34.6/27.8
Sound power level(H/M/L)		dB(A)	46/44/35	46/44/35	52/47/41	52/47/41
Main body	Net dim.(WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570
	Packing dim.(WxHxD)	mm	675x285x675	675x285x675	675x285x675	675x285x675
	Net/gross weight	kg	16/22	16/22	17.5/23.5	17.5/23.5
Panel	Net dim.(WxHxD)	mm	647x50x647	647x50x647	647x50x647	647x50x647
	Packing dim.(WxHxD)	mm	715x123x715	715x123x715	715x123x715	715x123x715
	Net/gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Compact Four-way Cassette (50Hz AC fan motors)

Model			MDV-D22Q4/N1-A3	MDV-D28Q4/N1-A3	MDV-D36Q4/N1-A3	MDV-D45Q4/N1-A3
Power supply			1-phase,220-240V,50Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4.0	5.0
Power input	Cooling	W	50	50	56	56
	Heating	W	50	50	56	56
Airflow rate(H/M/L)		m³/h	414/313/238	414/313/238	521/409/314	521/409/314
Sound pressure level(H/M/L)		dB(A)	35.8/33.4/23.4	35.8/33.4/23.4	41.5/35.6/28.8	41.5/35.6/28.8
Main body	Net dim.(W×H×D)	mm	570×260×570	570×260×570	570×260×570	570×260×570
	Packing dim.(W×H×D)	mm	675×285×675	675×285×675	675×285×675	675×285×675
	Net/gross weight	kg	16/20	16/20	18/22	18/22
Panel	Net dim.(W×H×D)	mm	647×50×647	647×50×647	647×50×647	647×50×647
	Packing dim.(W×H×D)	mm	715×123×715	715×123×715	715×123×715	715×123×715
	Net/gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Compact Four-way Cassette (60Hz AC fan motors)

Model			MDV-D22Q4/VN1-A3	MDV-D28Q4/VN1-A3	MDV-D36Q4/VN1-A3	MDV-D45Q4/VN1-A3
Power supply			1-phase,208-230V,60Hz			
Cooling capacity		kW	2.2	2.8	3.6	4.5
		Btu/h	7500	9600	12300	15400
Heating capacity		kW	2.4	3.2	4.0	5.0
		Btu/h	8200	10900	13600	17100
Power input	Cooling	W	51	52	58	58
	Heating	W	43	44	50	51
Airflow rate(H/M/L)		m³/h	397/292/215	408/310/231	496/359/263	496/359/263
		CFM	234/172/127	240/182/136	292/211/155	292/211/155
Sound pressure level(H/M/L)		dB(A)	35.8/33.4/23.4	35.8/33.4/23.4	41.5/35.6/28.8	41.5/35.6/28.8
Main body	Net dim.(WxHxD)	mm(in.)	570x260x570(22-7/16x10-15/64x22-7/16)			
	Packing dim.(WxHxD)	mm(in.)	675x285x675(26-9/16x11-7/32x26-9/16)			
	Net/gross weight	kg(lbs.)	16/20(35.3/44.1)		18/22(39.7/48.5)	
Panel	Net dim.(WxHxD)	mm(in.)	647x50x647(25-15/32x1-31/32x25-15/2)			
	Packing dim.(WxHxD)	mm(in.)	715x123x715(28-5/32x4-27/32x28-5/32)			
	Net/gross weight	kg(lbs.)	2.5/4.5(5.5/9.9)			
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			
	Drain pipe	mm(in.)	Φ25(OD 63/64)			
Standard controller			Wireless remote controller			

Four-way Cassette (50Hz AC fan motors)

Model			MDV-D28Q4/N1-D	MDV-D36Q4/N1-D	MDV-D45Q4/N1-D	MDV-D56Q4/N1-D	MDV-D71Q4/N1-D
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	65	65	75	75	82
	Heating	W	65	65	75	75	82
Airflow rate(H/M/L)		m³/h	847/766/640	847/766/640	864/755/658	864/755/658	1,157/955/749
Sound pressure level(H/M/L)		dB(A)	42/38/35	42/38/35	42/38/35	42/38/35	45/42/39
Main body	Net dim.(W×H×D)	mm	904×230×840	904×230×840	904×230×840	904×230×840	904×230×840
	Packing dim.(W×H×D)	mm	955×260×955	955×260×955	955×260×955	955×260×955	955×260×955
	Net/gross weight	kg	24/28	24/28	26/30	26/30	26/30
Panel	Net dim.(W×H×D)	mm	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950
	Packing dim.(W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Compact Four-way Cassett (50Hz AC fan

Model			MDV-D80Q4/N1-D	MDV-D90Q4/N1-D	MDV-D100Q4/N1-D	MDV-D112Q4/N1-D	MDV-D140Q4/N1-D
Power supply			1-phase, 220-240V, 50Hz				
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	15.0
Power input	Cooling	W	97	160	160	160	170
	Heating	W	97	160	160	160	170
Airflow rate(H/M/L)		m³/h	1236/973/729	1540/1300/1120	1540/1300/1120	1540/1300/1120	1800/1500/1280
Sound pressure level(H/M/L)		dB(A)	45/42/39	48/45/43	48/45/43	48/45/43	50/47/44
Main body	Net dim.(WxHxD)	mm	904x230x840	904x300x840	904x300x840	904x300x840	904x300x840
	Packing dim.(WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955
	Net/gross weight	kg	26/30	32/37	32/37	32/37	32/37
Net dim.(xHxD) Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections Drain pipe	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Four-way Cassette (60Hz AC fan motors)

Model			MDV-D28Q4/N1-D	MDV-D36Q4/N1-D	MDV-D45Q4/N1-D	MDV-D56Q4/N1-D	MDV-D71Q4/N1-D
Power supply			1-phase, 220-240V, 60Hz				
Cooling capacity		kW	2.8	3.6	4.5	5.6	7.1
		Btu/h	9600	12300	15400	19100	24200
Heating capacity		kW	3.2	4.0	5.0	6.3	8.0
		Btu/h	10900	13600	17100	21500	27300
Power input	Cooling	W	90	90	90	90	115
	Heating	W	90	90	90	90	115
Airflow rate(H/M/L)		m³/h	847/766/640	847/766/640	864/755/658	864/755/658	1157/955/749
		CFM	499/451/377	499/451/377	509/444/387	509/444/387	681/562/441
Sound pressure level(H/M/L)		dB(A)	42/38/35	42/38/35	42/38/35	42/38/35	45/42/39
Main body	Net dim.(W×H×D)	mm(in.)	904×230×840(35-19/32×9-1/16×33-5/64)				
	Packing dim.(W×H×D)	mm(in.)	955×260×955(37-19/32×10-15/64×37-19/32)				
	Net/gross weight	kg(lbs.)	24/28(53/61.7)		26/30(57.3/66.2)		
Panel	Net dim.(W×H×D)	mm(in.)	950×54.5×950(37-13/32×2-9/64×37-13/32)				
	Packing dim.(W×H×D)	mm(in.)	1035×90×1035(40-3/4×3-35/64×40-3/4)				
	Net/gross weight	kg(lbs.)	5/8(11.0/17.5)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

Four-way Cassette (50Hz AC fan motors)

Model			MDV-D80Q4/N1-D	MDV-D90Q4/N1-D	MDV-D100Q4/N1-D	MDV-D112Q4/N1-D	MDV-D140Q4/N1-D
Power supply			1-phase, 220-240V, 60Hz				
Cooling capacity		kW	8.0	9.0	10.0	11.2	14.0
		Btu/h	27300	30700	34100	38200	47800
Heating capacity		kW	9.0	10.0	11.1	12.5	15.0
		Btu/h	30700	34100	37900	42700	51200
Power input	Cooling	W	115	160	160	160	180
	Heating	W	115	160	160	160	180
Airflow rate(H/M/L)		m³/h	1236/973/729	1590/1300/1090	1590/1300/1090	1590/1300/1090	1678/1358/1115
		CFM	727/573/429	936/765/642	936/765/642	936/765/642	988/799/656
Sound pressure level(H/M/L)		dB(A)	45/42/39	48/45/43	48/45/43	48/45/43	50/47/44
Main body	Net dim.(WxHxD)	mm(in.)	904x230x840(35-19/32 x9-1/16x33-5/64)	904x300x840(35-19/32x11-13/16x33-5/64)			
	Packing dim.(WxHxD)	mm(in.)	955x260x955(37-19/32 x10-15/64x37-19/32)	955x330x955(37-19/32x11-13/16x37-19/32)			
	Net/gross weight	kg(lbs.)	26/30(57.3/66)	32/37(70.5/81.6)			
Panel	Net dim.(WxHxD)	mm(in.)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	mm(in.)	1035x90x1035(40-3/4x3-35/64x40-3/4)				
	Net/gross weight	kg(lbs.)	5/8(11.0/17.6)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

Four-way Cassette (DC fan motors)

Model			MI-28Q4/DHN1-D	MI-36Q4/DHN1-D	MI-45Q4/DHN1-D	MI-56Q4/DHN1-D	MI-71Q4/DHN1-D
Power supply			1-phase,220-240V,50/60Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	25	25	31	31	46
	Heating	W	25	25	31	31	46
Airflow rate(H/M/L)		m ³ /h	982/832/677	982/832/677	1029/857/704	1029/857/704	1200/996/748
Sound pressure level(H/M/L)		dB(A)	42/37/32	42/37/32	43/38/34	43/38/34	45/39/34
Sound power level(H/M/L)		dB(A)	53/49/45	53/49/45	54/50/47	54/50/47	56/51/47
Main body	Net dim.(WxHxD)	mm	904x230x840	904x230x840	904x230x840	904x230x840	904x230x840
	Packing dim.(WxHxD)	mm	955x260x955	955x260x955	955x260x955	955x260x955	955x260x955
	Net/gross weight	kg	21.8/27.6	21.8/27.6	24/29.5	24/29.5	24/29.5
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	5/8	5/8	5/8	5/8	5/8
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Model			MI-80Q4/DHN1-D	MI-90Q4/DHN1-D	MI-100Q4/DHN1-D	MI-112Q4/DHN1-D	MI-140Q4/DHN1-D
Power supply			1-phase,220-240V,50/60Hz				
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	15.0
Power input	Cooling	W	48	75	75	75	94
	Heating	W	48	75	75	75	94
Airflow rate(H/M/L)		m ³ /h	1264/1055/811	1596/1239/1034	1596/1239/1034	1596/1239/1034	1727/1426/1224
Sound pressure level(H/M/L)		dB(A)	46/40/35	47/41/36	47/41/36	47/41/36	50/45/35
Sound power level(H/M/L)		dB(A)	57/52/48	58/53/49	58/53/49	58/53/49	61/57/48
Main body	Net dim.(WxHxD)	mm	904x230x840	904x300x840	904x300x840	904x300x840	904x300x840
	Packing dim.(WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955
	Net/gross weight	kg	24/29.5	27.4/33.2	27.4/33.2	27.4/33.2	30/35.8
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	5/8	5/8	5/8	5/8	5/8
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Silent Four-way Cassette (50Hz AC fan motors)

Model			MDV-D28Q4/N1-E	MDV-D36Q4/N1-E	MDV-D45Q4/N1-E	MDV-D56Q4/N1-E	MDV-D71Q4/N1-E
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	80	80	88	88	88
	Heating	W	80	80	88	88	88
Airflow rate(H/M/L)		m ³ /h	764/638//554	764/638//554	905/740//651	905/740//651	950/767//663
Sound pressure level(H/M/L)		dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35
Main body	Net dim.(WxHxD)	mm	840x230x840	840x230x840	840x230x840	840x230x840	840x230x840
	Packing dim.(WxHxD)	mm	955x260x955	955x260x955	955x260x955	955x260x955	955x260x955
	Net/gross weight	kg	21.5/26.7	21.5/26.7	23.7/28.9	23.7/28.9	23.7/28.9
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Model			MDV-D80Q4/N1-E	MDV-D90Q4/N1-E	MDV-D100Q4/N1-E	MDV-D112Q4/N1-E	MDV-D140Q4/N1-E
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	15.0
Power input	Cooling	W	110	140	165	165	176
	Heating	W	110	140	165	165	176
Airflow rate(H/M/L)			m³/h 1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130
Sound pressure level(H/M/L)			dB(A) 42/39/37	43/39/38	45/42/40	45/42/40	46/41/39
Main body	Net dim.(W×H×D)	mm	840×230×840	840×300×840	840×300×840	840×300×840	840×300×840
	Packing dim.(W×H×D)	mm	955×260×955	955×330×955	955×330×955	955×330×955	955×330×955
	Net/gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3
Panel	Net dim.(W×H×D)	mm	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950
	Packing dim.(W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Silent Four-way Cassette (60Hz AC fan motors)

Model			MDV-D28Q4/VN1-E	MDV-D36Q4/VN1-E	MDV-D45Q4/VN1-E	MDV-D56Q4/VN1-E	MDV-D71Q4/VN1-E
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	2.8	3.6	4.5	5.6	7.1
		Btu/h	9600	12300	15400	19100	24200
Heating capacity		kW	3.2	4.0	5.0	6.3	8.0
		Btu/h	10900	13600	17100	21500	27300
Power input	Cooling	W	80	80	88	88	105
	Heating	W	80	80	88	88	105
Airflow rate(H/M/L)		m³/h	791/674/596	791/674/596	942/777/662	942/777/662	1235/1013/805
		CFM	465/396/351	465/396/351	554/457/389	554/457/389	726/596/474
Sound pressure level(H/M/L)		dB(A)	30/25/22	30/25/22	35/31/27	35/31/27	43/37/31
Main body	Net dim.(WxHxD)	mm(in.)	840x230x840(33-1/16x9-1/16x33-1/16)				
	Packing dim.(WxHxD)	mm(in.)	955x260x955(37-19/32x10-1/4x37-19/32)				
	Net/gross weight	kg(lbs.)	21.5/26.7(47.3/58.7)		23.7/28.9(52.1/63.6)		
Panel	Net dim.(WxHxD)	mm(in.)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	mm(in.)	1035x90x1035(40-3/4x3-9/16x40-3/4)				
	Net/gross weight	kg(lbs.)	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

Model			MDV-D80Q4/VN1-E	MDV-D90Q4/VN1-E	MDV-D100Q4/VN1-E	MDV-D112Q4/VN1-E	MDV-D140Q4/VN1-E
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	8.0	9.0	10.0	11.2	14.0
		Btu/h	27300	30700	34100	38200	47800
Heating capacity		kW	9.0	10.0	11.1	12.5	15.0
		Btu/h	30700	34100	37900	42700	51200
Power input	Cooling	W	120	187	200	200	220
	Heating	W	120	187	200	200	220
Airflow rate(H/M/L)		m³/h	1235/1013/805	1333/1158/957	1634/1219/1139	1634/1219/1139	1634/1219/1139
		CFM	726/596/474	784/681/563	961/717/670	961/717/670	995/731/681
Sound pressure level(H/M/L)		dB(A)	43/37/31	43/38/32	45/37/35	45/37/35	46/38/37
Main body	Net dim.(W×H×D)	mm(in.)	840×230×840(33-1/16×9-1/16×33-1/16)	840×300×840(33-1/16×11-13/16×33-1/16)			
	Packing dim.(W×H×D)	mm(in.)	955×260×955(37-19/32×10-15/64×37-19/32)	955×330×955(37-19/32×11-13/16×37-19/32)			
	Net/gross weight	kg(lbs.)	23.7/28.9(52.1/63.6)	28.7/34.1(63.1/75)			30.9/36.3(68/79.9)
Panel	Net dim.(W×H×D)	mm(in.)	950×54.5×950(37-13/32×2-9/64×37-13/32)				
	Packing dim.(W×H×D)	mm(in.)	1035×90×1035(40-3/4×3-35/64×40-3/4)				
	Net/gross weight	kg(lbs.)	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

3. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Low Static Pressure Duct

Low Sound Level >>

The Low Static Pressure Duct indoor unit utilizes centrifugal blowers, reducing noise levels to as low as 24dB(A), and is an excellent choice for hotels and other noise-sensitive locations.

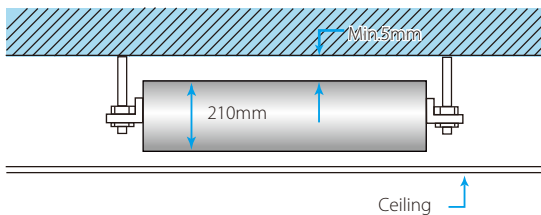


V-shaped Evaporator >>

A V-shaped evaporator design enhances heat exchanging efficiency by 22%.

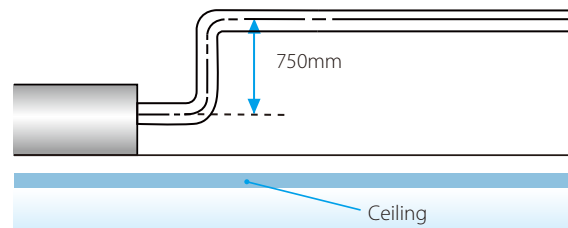
Compact Design >>

A compact design, with a uniform height of 210mm, enables installation even where ceiling space is limited.



Drain Pump >>

A drain pump with a 750mm pump head is available as a customization option.



Fan Motor Options >>

Choose either AC or DC fan motors.



Specifications

DC fan motors

Model			MI-18T3/DHN1-C	MI-22T3/DHN1-C	MI-28T3/DHN1-C	MI-36T3/DHN1-C	MI-45T3/DHN1-C	MI-56T3/DHN1-C	MI-71T3/DHN1-C
Power supply			1-phase, 220-240V, 50/60Hz						
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	23	23	23	30	46	53	53
	Heating	W	23	23	23	30	46	53	53
Airflow rate(H/M/L)		m³/h	590/520/415	590/520/415	590/520/415	655/560/465	856/740/600	905/740/580	970/800/660
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	34/26/24	34/26/24	34/26/24	37/31/28	38/31/28	38/31/28	40/32/29
Sound power level(H/M/L)		dB(A)	45/38/37	45/38/37	45/38/37	48/43/41	49/43/41	49/43/41	51/44/42
Net dimension(WxHxD)		mm	740x210x470	740x210x470	740x210x470	740x210x470	960x210x470	960x210x470	1180x210x470
Packing dimension(WxHxD)		mm	910x230x510	910x230x510	910x230x510	910x230x510	1130x230x510	1130x230x510	1350x230x510
Net/gross weight		kg	13.5/17	13.5/17	13.5/17	13.5/17	17.5/22	17.5/22	21/26.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller						

50Hz AC fan motors

Model			MDV-D18T3/N1-C	MDV-D22T3/N1-C	MDV-D28T3/N1-C	MDV-D36T3/N1-C	MDV-D45T3/N1-C	MDV-D56T3/N1-C	MDV-D71T3/N1-C
Power supply			1-phase,220-240V,50Hz						
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	83	83	83	87	97	102	138
	Heating	W	83	83	83	87	97	102	138
Airflow rate(H/M/L)		m ³ /h	578/512/409	578/512/409	578/512/409	617/551/441	824/690/609	824/690/609	1060/970/811
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	35/27/24	35/27/24	35/27/24	38/32/28	39/32/29	39/32/29	41/33/30
Net dimension(WxHxD)		mm	740x210x470	740x210x470	740x210x470	740x210x470	960x210x470	960x210x470	1180x210x470
Packing dimension(WxHxD)		mm	910x230x510	910x230x510	910x230x510	910x230x510	1130x230x510	1130x230x510	1350x230x510
Net/gross weight		kg	14/17.5	14/17.5	14/17.5	14/17.5	17.5/22	17.5/22	21/26.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller						

60Hz AC fan motors

Model			MDV-D18T3/VN1-C	MDV-D22T3/VN1-C	MDV-D28T3/VN1-C	MDV-D36T3/VN1-C	MDV-D45T3/VN1-C	MDV-D56T3/VN1-C	MDV-D71T3/VN1-C
Power supply			1-phase,208-230V,60Hz						
Cooling capacity		kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	6100	7500	9600	12300	15400	19100	24200
Heating capacity		kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
		Btu/h	7500	8900	10900	13600	17100	21500	27300
Power input	Cooling	W	62	62	62	65	105	105	130
	Heating	W	62	62	62	65	105	105	130
Airflow rate(H/M/L)		m³/h	578/512/409	578/512/409	578/512/409	617/551/441	824/690/609	824/690/609	1060/970/811
		CFM	340/301/241	340/301/241	340/301/241	363/324/260	485/406/358	485/406/358	624/571/477
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	35/27/24	35/27/24	35/27/24	38/32/28	39/32/29	39/32/29	41/33/30
Net dimension(WxHxD)		mm(in)	740x210x470(29-9/64x8-17/64x18-1/2)				960x210x470(37-51/64x8-17/64x18-1/2)		1180x210x470(46-29/64x8-17/64x18-1/2)
Packing dimension(WxHxD)		mm(in)	910x230x510(35-53/64x9-1/16x20-5/64)				1130x230x510(44-31/64x9-1/16x20-5/64)		1350x230x510(53-5/32x9-1/16x20-5/64)
Net/gross weight		kg(lbs)	14.5/18(32.0/39.7)				18/22.5(39.7/49.6)		22.5/26.5(49.6/58.5)
Piping connections	Liquid/gas pipe	mm(in)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)		
	Drain piping	mm(in)	Φ25(OD 63/64)						
Standard controller			Wireless remote controller						

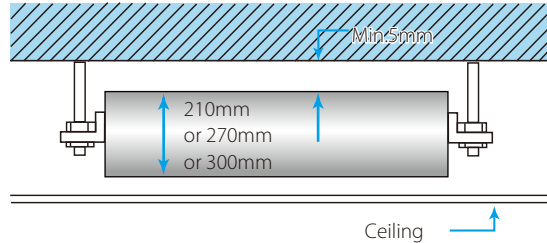
Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- No standard filter and air plenum box.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Medium Static Pressure Duct (A5 Duct)

Compact Design >>

Models 22 to 71 are just 210mm high whilst models 80 to 112 are 270mm high and model 140 is 300mm high.



Fan Motor Options >>

Choose either AC or DC fan motors.

High-lift Drain Pump >>

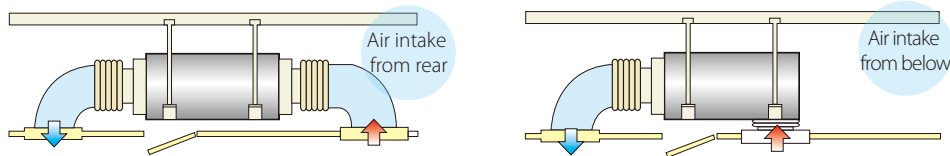
A drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping.

Easy Maintenance Access, Flexible Control >>

As a customization option, for ease of access the electric control box can be separated from the unit by up to 1m. Functional ports including remote on/off dry contact and 220V alarm signal output are included as standard, providing control flexibility.

Flexibility >>

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the underside or the rear of the unit.



Specifications

50Hz AC fan motors

Model			MDV-D22T2/N1-DA5	MDV-D28T2/N1-DA5	MDV-D36T2/N1-DA5	MDV-D45T2/N1-DA5	MDV-D56T2/N1-DA5
Power supply			1-phase, 220-240V, 50Hz				
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.6	3.2	4.0	5.0	6.3
Power input	Cooling	W	57	57	61	98	103
	Heating	W	57	57	61	98	103
Airflow rate(H/M/L)		m³/h	538/456/375	538/456/375	597/514/429	811/684/575	811/684/575
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	36/35/32	37/35/32	38.6/37.5/33.8	39/37.9/34	39/37.9/34
Net dimension(WxHxD)		mm	780x210x500	780x210x500	780x210x500	1000x210x500	1000x210x500
Packing dimension(WxHxD)		mm	870x285x525	870x285x525	870x285x525	1115x285x525	1115x285x525
Net/gross weight		kg	17.5/20	17.5/20	17.5/20	22.5/26	22.5/26
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

Model			MDV-D71T2/N1-DA5	MDV-D80T2/N1-BA5	MDV-D90T2/N1-BA5	MDV-D112T2/N1-BA5	MDV-D140T2/N1-BA5
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0
	Heating	kW	8.0	9.0	10.0	12.5	15.5
Power input	Cooling	W	140	198	200	313	274
	Heating	W	140	198	200	313	274
Airflow rate(H/ML)		m³/h	1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400
External static pressure(Min/Std/Max)		Pa	0/10/30	10/20/50	10/20/50	10/40/80	10/40/100
Sound pressure level(H/ML)		dB(A)	41.4/39/35	45.4/39.8/37	45.4/39.8/37	48.0/41.9/38	47.7/43.2/39.0
Net dimension(W×H×D)		mm	1220×210×500	1230×270×775	1230×270×775	1230×270×775	1290×300×865
Packing dimension(W×H×D)		mm	1335×285×525	1355×350×795	1355×350×795	1355×350×795	1400×375×925
Net/gross weight		kg	28/31.5	38/46.5	40/48	40/48	49/58
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

60Hz AC fan motors

Model			MDV-D22T2/VN1-DA5	MDV-D28T2/VN1-DA5	MDV-D36T2/VN1-DA5	MDV-D45T2/VN1-DA5	MDV-D56T2/VN1-DA5
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6
		Btu/h	7500	9600	12300	15400	19100
Heating capacity		kW	2.6	3.2	4.0	5.0	6.3
		Btu/h	8200	10900	13600	17100	21500
Power input	Cooling	W	66	72	77	100	100
	Heating	W	66	72	77	100	100
Airflow rate(H/M/L)		m³/h	538/456/375	538/456/375	597/514/429	811/684/575	811/684/575
		CFM	317/268/221	317/268/221	351/303/253	477/403/338	477/403/338
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	36/35/32	36/35/32	38.6/37.5/33.8	39/37.9/34	39/37.9/34
Net dimension(W×H×D)		mm(in.)	780×210×500(30-45/64×8-17/64×19-11/16)			1000×210×500(39-3/8×8-17/64×19-11/16)	
Packing dimension(W×H×D)		mm(in.)	870×285×525(34-1/4×11-7/32×20-43/64)			1115×285×525(43-5/8×11-7/32×20-43/64)	
Net/gross weight		kg(lbs.)	17.5/20(38.6/44.1)			22.5/26(49.6/57.3)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)
	Drain piping	mm(in.)	Φ25(OD 63/64)				
Standard controller			Wired controller				

Model			MDV-D71T2/VN1-DA5	MDV-D80T2/VN1-BA5	MDV-D90T2/VN1-BA5	MDV-D112T2/VN1-BA5	MDV-D140T2/VN1-BA5
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	7.1	8.0	9.0	11.2	14.0
		Btu/h	24200	27300	30700	38200	47800
Heating capacity		kW	8.0	9.0	10.0	12.5	15.5
		Btu/h	27300	30700	34100	42700	52900
Power input	Cooling	W	125	133	134	378	352
	Heating	W	125	133	134	378	352
Airflow rate(H/M/L)		m³/h	1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400
		CFM	606/550/460	792/686/596	792/686/596	1059/916/824	1121/963/824
External static pressure(Min/Std/Max)		Pa	0/10/30	10/20/50	10/20/50	10/40/80	10/40/100
Sound pressure level(H/M/L)		dB(A)	41.4/39/35	45.4/39.8/37	45.4/39.8/37	48.0/41.9/38	47.7/43.2/39
Net dimension(W×H×D)		mm(in.)	1220×210×500 (48-1/32×8-17/64×19-11/16)	1230×270×775(48-27/64×10-5/8×30-33/64)			1290×300×865(50-25/32× 11-13/16×34-1/16)
Packing dimension(W×H×D)		mm(in.)	1335×285×525(52-9/16× 11-7/32×20-43/64)	1355×350×795(53-11/32×13-25/31×31-19/64)			1400×375×925(55-1/8×14- 49/64×36-27/64)
Net/gross weight		kg(lbs.)	28/31.5(61.8/69.5)	38/46.5(84/102.5)	40/48(88.2/105.8)		49/58(108.0/127.9)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain piping	mm(in.)	Φ25(OD 63/64)				
Standard controller			Wired controller				

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

DC fan motors

Model			MI-22T2/DHN1-DA5	MI-28T2/DHN1-DA5	MI-36T2/DHN1-DA5	MI-45T2/DHN1-DA5	MI-56T2/DHN1-DA5
Power supply			1-phase,220-240V,50/60Hz				
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.6	3.2	4.0	5.0	6.3
Power input	Cooling	W	39	39	45	58	89
	Heating	W	39	39	45	58	89
Airflow rate(H/M/L)		m ³ /h	521/450/380	521/450/380	592/541/426	748/640/550	821/640/566
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	35/34/31	36/34/31	37/36/33	38/37/33	38/37/33
Sound power level(H/M/L)		dB(A)	46/45/44	47/46/44	48/47/46	49/48/46	49/48/46
Net dimension(WxHxD)		mm	780×210×500	780×210×500	780×210×500	1000×210×500	1000×210×500
Packing dimension(WxHxD)		mm	870×285×525	870×285×525	870×285×525	1115×285×525	1115×285×525
Net/gross weight		kg	17.5/20	17.5/20	17.5/20	22.5/26	22.5/26
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

Model			MI-71T2/DHN1-DA5	MI-80T2/DHN1-BA5	MI-90T2/DHN1-BA5	MI-112T2/DHN1-BA5	MI-140T2/DHN1-BA5
Power supply			1-phase,220-240V,50/60Hz				
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0
	Heating	kW	8.0	9.0	10.0	12.5	15.5
Power input	Cooling	W	68	98	108	178	204
	Heating	W	68	98	108	178	204
Airflow rate(H/M/L)		m ³ /h	1021/940/778	1290/1090/940	1290/1090/940	1780/1550/1352	1950/1600/1400
External static pressure(Min/Std/Max)		Pa	0/10/30	10/20/50	10/20/50	10/40/80	10/40/100
Sound pressure level(H/M/L)		dB(A)	40/38/34	44/38/37	44/38/37	47/41/37	47/42/38
Sound power level(H/M/L)		dB(A)	51/50/47	55/50/48	55/50/48	58/53/50	58/54/50
Net dimension(WxHxD)		m ³ /h	1220×210×500	1230×270×775	1230×270×775	1230×270×775	1290×300×865
Packing dimension(WxHxD)		mm	1335×285×525	1355×350×795	1355×350×795	1355×350×795	1400×375×925
Net/gross weight		kg	28/31.5	38/46.5	40/48	40/48	49/58
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

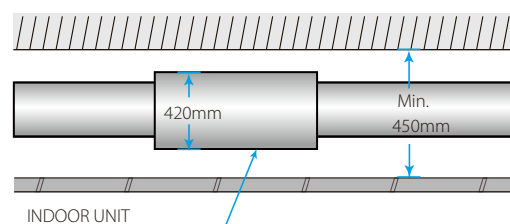
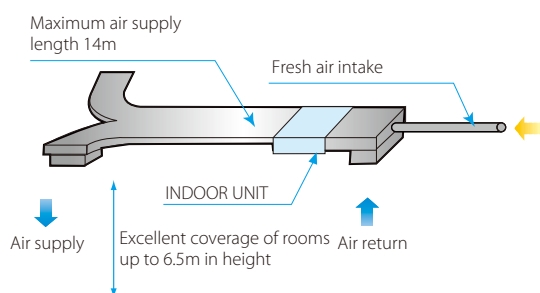
High Static Pressure Duct

Fan Motor Options >>

Choose either AC or DC fan motors.

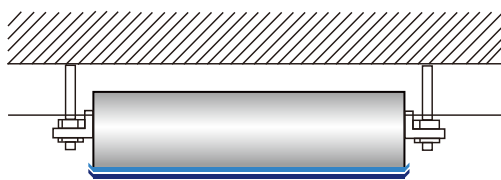
Flexible Duct Design >>

The High Static Pressure Duct indoor unit offers external static pressures of up to 196Pa (models 71 to 160) or 280Pa (models 200 to 560), allowing air supply duct lengths of up to 14m at a height of 6.5m. With a height of just 420mm (models 71 to 160), only 450mm of ceiling space is required.



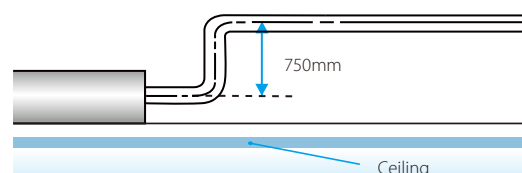
Double-skin Drainage Pan >>

A double-skin drainage pan provides double protection for ceilings (models 71 to 160 and models 400 to 560).



Drain Pump >>

A drain pump with a 750mm pump head is available as a customization option (models 71 to 160).



Easy Installation >>

Flanges for air inlet/outlet ducts are fitted as standard on the High Static Pressure Duct. On models 70 to 160, the expansion valve is fitted inside the unit, requiring no extra connection.

Easy Maintenance Access, Flexible Control >>

The wired remote controller is provided as standard and the wireless remote controller is available as a customization option. Functional ports including remote on/off dry contact are included as standard, providing additional control flexibility. For ease of installation, the electric control box's display board is factory-fitted and the filter can be accessed either from the rear or from below.



Specifications

50Hz AC fan motors

Model			MDV-D71T1/N1-B	MDV-D80T1/N1-B	MDV-D90T1/N1-B	MDV-D112T1/N1-B	MDV-D140T1/N1-B	MDV-D160T1/N1-B
Power supply			1-phase,220-240V,50Hz					
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	kW	8.0	9.0	10.0	12.5	16.0	17.0
Power input	Cooling	W	263	263	423	524	724	940
	Heating	W	263	263	423	524	724	940
Airflow rate(H/M/L)		m³/h	1443/1361/1218	1416/1338/1220	1951/1741/1518	2116/1936/1520	3000/2618/2226	3620/3044/2744
External static pressure(Min/Std/Max)		Pa	25/25/196	37/37/196	37/37/196	50/50/196	50/50/196	50/50/196
Sound pressure level(H/M/L)		dB(A)	48/46/44	48/46/44.5	52/49/47	52/49/47	53/50/48	54/52/50
Net dimension(WxHxD)		mm	952x420x690	952x420x690	952x420x690	952x420x690	1300x420x690	1300x420x690
Packing dimension(WxHxD)		mm	1090x440x768	1090x440x768	1090x440x768	1090x440x768	1436x450x768	1436x450x768
Net/gross weight		kg	45/50	45/50	46.5/52.4	50.6/56	68/70	70/77.5
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller					

Model			MDV-D200T1/N1-B	MDV-D250T1/N1-B	MDV-D280T1/N1-B	MDV-D400T1/N1	MDV-D450T1/N1	MDV-D560T1/N1
Power supply			1-phase,220-240V,50Hz					
Capacity	Cooling	kW	20.0	25.0	28.0	40.0	45.0	56.0
	Heating	kW	22.5	26.0	31.5	45.0	50.0	63.0
Power input	Cooling	W	1516	1516	1516	2700	2700	3400
	Heating	W	1516	1516	1516	2700	2700	3400
Airflow rate(H/M/L)		m³/h	4700/4100/3599	4700/4100/3599	4700/4100/3599	7472/6072/4995	7472/6072/4995	9550/7950/6600
External static pressure(Min/Std/Max)		Pa	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280
Sound pressure level(H/M/L)		dB(A)	59/55/52	59/55/52	59/55/52	61/59/56	61/59/56	63/60/57
Net dimension(W×H×D)		mm	1440×505×925	1440×505×925	1440×505×925	1970×668×902.5	1970×668×902.5	1970×668×902.5
Packing dimension(W×H×D)		mm	1509×550×990	1509×550×990	1509×550×990	2095×800×964	2095×800×964	2095×800×964
Net/gross weight		kg	115/129	115/129	115/129	232/245	232/245	235/250
Piping connections	Liquid/gas pipe	mm	Φ9.53×2/Φ15.9×2	Φ9.53×2/Φ15.9×2	Φ9.53×2/Φ15.9×2	Φ9.53×2/Φ22.2×2	Φ9.53×2/Φ22.2×2	Φ9.53×2/Φ22.2×2
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wired controller					

60Hz AC fan motors

Model			MDV-D71T1/VN1-B	MDV-D80T1/VN1-B	MDV-D90T1/VN1-B	MDV-D112T1/VN1-B	MDV-D140T1/VN1-B	MDV-D160T1/VN1-B
Power supply			1-phase,208-230V,60Hz					
Cooling capacity		kW	7.1	8	9	11.2	14	16
		Btu/h	24200	27300	30700	38200	47800	54600
Heating capacity		kW	8	9	10	12.5	16	16.5
		Btu/h	27300	30700	34100	42700	54600	56300
Power input	Cooling	W	414	402	409	409	527	532
	Heating	W	414	402	409	409	527	532
Airflow rate(H/M/L)		m³/h	1720/1532/1338	1690/1560/1320	2252/2030/1610	2198/1978/1570	2969/2694/2469	2969/2694/2469
		CFM	1012/902/788	994/918/777	1326/1195/948	1294/1164/924	1746/1586/1453	1746/1586/1453
External static pressure(Min/Std/Max)		Pa	25/25/196	37/37/196	37/37/196	50/50/196	50/50/196	50/50/196
Sound pressure level(H/M/L)		dB(A)	48/46/44.5	48/46/44.5	52/49/47	52/49/47	53/50/48	54/52/50
Net dimension(W×H×D)		mm(in.)	952×420×690(37-31/64×16-17/32×27-11/64)				1300×420×691(51-3/16×15-3/4×27-13/64)	
Packing dimension(W×H×D)		mm(in.)	1090×440×768(42-29/32×17-21/64×30-15/64)				1436×450×768(56-17/32×17-23/32×30-15/64)	
Net/gross weight		kg(lbs.)	46.5/52(102.6/114.7)		50/56.5(110.3/124.6)		68/70(149.9/154.3)	69.5/76(153.3/167.6)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)					
	Drain piping	mm(in.)	Φ25(OD 63/64)					
Standard controller			Wired controller					

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Model			MDV-D200T1/N1-B	MDV-D250T1/N1-B	MDV-D280T1/N1-B	MDV-D400T1/N1	MDV-D450T1/N1
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	20.0	25.0	28.0	40.0	45.0
		Btu/h	68200	85300	95500	136500	153500
Heating capacity		kW	22.5	26.0	31.5	45.0	50.0
		Btu/h	76800	88700	107500	153500	170600
Power input	Cooling	W	1516	1516	1516	1600	1600
	Heating	W	1516	1516	1516	1600	1600
Airflow rate(H/M/L)		m³/h	4700/4100/3599	4700/4100/3599	4700/4100/3599	7180/6150/4600	7180/6150/4600
		CFM	2766/2413/2118	2766/2413/2118	2766/2413/2118	4226/3620/2708	4226/3620/2708
External static pressure(Min/Std/Max)		Pa	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280
Sound pressure level(H/M/L)		dB(A)	59/55/52	59/55/52	59/55/52	61/59/56	61/59/56
Net dimension(W×H×D)		mm(in.)	1440×505×925(56-11/16×19-7/8×36-27/6)			1970×668×902.5(77-9/16×15-3/4×35-17/32)	
Packing dimension(W×H×D)		mm(in.)	1509×550×990(59-13/32×21-21/32×38-31/32)			2095×800×964(82-31/64×31-1/2×37-61/64)	
Net/gross weight		kg(lbs.)	115/129(254/284)			235/250(518/551)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9×2/(Φ3/8/Φ5/8)×2			Φ9.53/Φ22.2×2/(Φ3/8/Φ7/8)×2	
	Drain piping	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wired controller				

DC fan motors

Model			MI-71T1/DHN1-B	MI-80T1/DHN1-B	MI-90T1/DHN1-B	MI-112T1/DHN1-B	MI-140T1/DHN1-B	MI-160T1/DHN1-B
Power supply			1-phase, 220-240V, 50/60Hz					
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	kW	8.0	9.0	10.0	12.5	16.0	17.0
Power input	Cooling	W	180	180	220	380	420	700
	Heating	W	180	180	220	380	420	700
Airflow rate(H/M/L)		m³/h	1500/1390/1250	1450/1340/1190	1780/1650/1530	2080/1930/1710	2860/2440/2010	3400/2660/2400
External static pressure(Min/Std/Max)		Pa	0/25/196	0/37/196	0/37/196	0/37/196	0/50/196	0/50/196
Sound pressure level(H/M/L)		dB(A)	46/44/42	46/44/42	50/47/45	50/47/45	53/50/48	54/52/50
Sound power level(H/M/L)		dB(A)	57/56/55	57/56/55	61/59/58	61/59/58	64/62/61	65/64/63
Net dimension(WxHxD)		mm	952x420x690	952x420x690	952x420x690	952x420x690	1300x420x690	1300x420x690
Packing dimension(WxHxD)		mm	1090x440x768	1090x440x768	1090x440x768	1090x440x768	1436x450x768	1436x450x768
Net/gross weight		kg	41/47	41/47	47/53	47/53	68/70	70/77.5
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller					

Model			MI-200T1/DHN1-B	MI-250T1/DHN1-B	MI-280T1/DHN1-B
Power supply			1-phase, 220-240V, 50/60Hz		
Capacity	Cooling	kW	20.0	25.0	28.0
	Heating	kW	22.5	26.0	31.5
Power input	Cooling	W	800	800	800
	Heating	W	800	800	800
Airflow rate(H/M/L)		m³/h	4820/4660/4620	4870/4760/4690	4870/4760/4690
External static pressure(Min/Std/Max)		Pa	40/62/200	40/62/200	40/62/200
Sound pressure level(H/M/L)		dB(A)	57/53/50	57/53/50	57/53/50
Sound power level(H/M/L)		dB(A)	68/65/63	68/65/63	68/65/63
Net dimension(WxHxD)		mm	1440x505x925	1440x505x925	1440x505x925
Packing dimension(WxHxD)		mm	1509x550x990	1509x550x990	1509x550x990
Net/gross weight		kg	108/120	108/120	108/120
Piping connections	Liquid/gas pipe	mm	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wired controller		

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

60Hz AC fan motors

Model			MDV-D125T1/VN1-FA	MDV-D140T1/VN1-FA	MDV-D200T1/VN1-FA	MDV-D250T1/VN1-FA	MDV-D280T1/VN1-FA
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	12.5	14.0	20.0	25.0	28.0
		Btu/h	42600	47800	68200	85300	95500
Heating capacity		kW	10.5	12.0	18.0	20.0	22.0
		Btu/h	36000	41000	61400	68200	75000
Power input	Cooling	W	455	455	1060×2	1126×2	1126×2
	Heating	W	455	455	1060×2	1126×2	1126×2
Airflow rate(H/M/L)		m³/h	2142/1870/1611	2142/1870/1611	2870/2620/2150	3005/2700/2250	3005/2700/2250
		CFM	1261/1101/948	1261/1101/948	1689/1542/1265	1766/1589/1324	1766/1589/1324
External static pressure(Min/Std/Max)		Pa	30/50/196	30/50/196	50/200/280	50/200/280	50/200/280
Sound pressure level(H/M/L)		dB(A)	54/52/50	53/50/48	54/53/51	55/54/52	55/54/52
Net dimension(W×H×D)		mm(in.)	1300×420×690(51-3/16×16-17/32×27-11/64)				1440×505×925(56-11/16×19-7/8×36-27/6)
Packing dimension(W×H×D)		mm(in.)	1436×450×768(56-17/32×17-23/32×30-1/4)				1509×550×990(59-13/32×21-21/32×38-31/32)
Net/gross weight		kg(lbs.)	69.5/76(153.2/167.5)				114/124(251/274)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9/(Φ3/8/Φ5/8)				
	Drain piping	mm(in.)	Φ25(OD 63/64)		Φ32(OD 1-17/64)		
Standard controller			Wired controller				

DC fan motors

Model			MI-125T1/DHN1-FA	MI-140T1/DHN1-FA	MI-200T1/DHN1-FA	MI-250T1/DHN1-FA	MI-280T1/DHN1-FA
Power supply			1-phase, 220-240V, 50/60Hz				
Capacity	Cooling	kW	12.5	14.0	20.0	25.0	28.0
	Heating	kW	10.5	12.0	18.0	20.0	22.0
Power input	Cooling	W	370	370	615	670	670
	Heating	W	370	370	615	670	670
Airflow rate(H/M/L)		m³/h	2440/2000/1470	2440/2000/1470	3860/3430/2890	3860/3430/2890	3860/3430/2890
External static pressure(Min/Std/Max)		Pa	0/50/200	0/50/200	0/62/200	0/62/200	0/62/200
Sound pressure level(H/M/L)		dB(A)	52/50/48	52/50/48	52/51/49	53/52/50	53/52/50
Sound power level(H/M/L)		dB(A)	63/62/61	63/62/61	63/62/61	64/63/62	64/63/62
Net dimension(W×H×D)		mm	1300×420×690	1300×420×690	1440×505×925	1440×505×925	1440×505×925
Packing dimension(W×H×D)		mm	1436×450×768	1436×450×768	1509×550×990	1509×550×990	1509×550×990
Net/gross weight		kg	63/71	63/71	108/120	108/120	108/120
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ32	OD Φ32	OD Φ32
Operation temperature range		°C	Heating: -5~16; Fan only: 16~20; Cooling: 20~43				
Standard controller			Wired controller				

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: outdoor temperature 33°C (91.4°F) DB, 24°C (75.2°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: outdoor temperature 0°C (32°F) DB, -1°C (30.2°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.
- The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

M Series (DC fan motors)

Model			MI-22G/DHN1-M	MI-28G/DHN1-M	MI-36G/DHN1-M	MI-45G/DHN1-M
Power supply			1-phase,220-240V,50/60Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4	5
Power input	Cooling	W	8	9	19	19
	Heating	W	8	9	19	19
Airflow rate (H/M/L)		m³/h	422/393/356	417/370/316	656/573/488	594/507/424
Sound pressure level (H/M/L)		dB(A)	31/30/29	31/30/29	33/32/30	35/33/31
Net dimension (WxHxD)		mm	835×280×203	835×280×203	990×315×223	990×315×223
Packing dimension (WxHxD)		mm	935×385×320	935×385×320	1085×420×335	1085×420×335
Net/ Gross weight		kg	8.4/12.1	9.5/13.1	11.4/15.5	12.8/16.9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16.5			
Standard controller			Wireless remote controller			

Model			MI-56G/DHN1-M	MI-71G/DHN1-M	MI-80G/DHN1-M	MI-90G/DHN1-M
Power supply			1-phase,220-240V,50/60Hz			
Capacity	Cooling	kW	5.6	7.1	8	9
	Heating	kW	6.3	8	9	10
Power input	Cooling	W	27	49	53	82
	Heating	W	27	49	53	82
Airflow rate (H/M/L)		m³/h	747/648/547	1195/1005/809	1195/1005/809	1421/1067/867
Sound pressure level (H/M/L)		dB(A)	38/36/34	44/39/36	44/39/36	48/43/38
Dimension (WxHxD)		mm	990×315×223	1194×343×262	1194×343×262	1194×343×262
Packing (WxHxD)		mm	1085×420×335	1290×375×460	1290×375×460	1290×375×460
Net/ Gross weight		kg	12.8/16.9	17/22.4	17/22.4	17/22.4
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5			
Standard controller			Wireless remote controller			

S Series (50Hz AC fan motors)

Model			MDV-D22G/N1-S	MDV-D28G/N1-S	MDV-D36G/N1-S	MDV-D45G/N1-S	MDV-D56G/N1-S
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.4	3.2	4	5	6.3
Power input	Cooling	W	28	28	28	45	45
	Heating	W	28	28	28	45	45
Airflow rate(H/M/L)		m³/h	525/480/430	525/480/430	590/520/480	860/755/630	925/860/755
Sound pressure level(H/M/L)		dB(A)	35/32/29	35/32/29	35/32/29	40/38/34	40/38/34
Net dimension(WxHxD)		mm	915×290×230	915×290×230	915×290×230	1072×315×230	1072×315×230
Packing dimension(WxHxD)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net/gross weight		kg	13/16.8	13/16.8	13/16.8	15.1/19.5	15.1/19.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5
Standard controller			Wireless remote controller				

S Series (60Hz AC fan motors)

Model			MDV-D22G/N1-S	MDV-D28G/N1-S	MDV-D36G/N1-S	MDV-D45G/N1-S	MDV-D56G/N1-S
Power supply			1-phase, 220-240V, 60Hz				
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6
		Btu/h	7500	9600	12300	15400	19100
Heating capacity		kW	2.4	3.2	4.0	5.0	6.3
		Btu/h	8200	10900	13600	17100	21500
Power input	Cooling	W	28	28	28	51	51
	Heating	W	28	28	28	51	51
Airflow rate(H/M/L)		m ³ /h	525/480/430	525/480/430	590/520/480	860/755/630	925/860/755
		CFM	309/283/253	309/283/253	347/306/283	506/444/371	544/506/444
Sound pressure level(H/M/L)		dB(A)	35/32/29	35/32/29	35/32/29	40/38/34	40/38/34
Net dimension(WxHxD)		mm(in.)	915×290×230(36-1/32×11-13/32×9-1/16)			1072×315×230(42-7/32×12-13/32×9-1/16)	
Packing dimension(WxHxD)		mm(in.)	1020×390×315(40-5/32×15-11/32×12-13/32)			1180×415×315(46-15/32×16-11/32×12-13/32)	
Net/gross weight		kg(lbs.)	13/16.8(28.7/37.1)			15.1/19.5(33.4/43)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)
	Drain piping	mm(in.)	Φ16.5(OD 21/32)				
Standard controller			Wireless remote controller				

S Series (DC fan motors)

Model			MI-22G/DHN1-S	MI-28G/DHN1-S	MI-36G/DHN1-S	MI-45G/DHN1-S	MI-56G/DHN1-S
Power supply			1-phase, 220-240V, 50/60Hz				
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.4	3.2	4	5	6.3
Power input	Cooling	W	19	19	22	26	31
	Heating	W	19	19	22	26	31
Airflow rate(H/M/L)		m ³ /h	505/462/417	505/462/417	564/499/460	841/705/577	915/840/708
Sound pressure level(H/M/L)		dB(A)	31/30/29	31/30/29	31/30/29	38/36/34	45/38/34
Sound power level(H/M/L)		dB(A)	42/41/40	42/41/40	42/41/40	49/48/47	56/50/47
Net dimension(WxHxD)		mm	915×290×230	915×290×230	915×290×230	1072×315×230	1072×315×230
Packing dimension(WxHxD)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net/gross weight		kg	12.0/15.6	12.0/15.6	12.0/15.6	14.4/18.4	14.4/18.4
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5
Standard controller			Wireless remote controller				

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured at a position 1m (3.28ft) in front and 1m (3.28ft) below the unit in a semi-anechoic chamber.

Specifications

50Hz AC fan motors

Model			MDV-D36DL/N1-C	MDV-D45DL/N1-C	MDV-D56DL/N1-C	MDV-D71DL/N1-C	MDV-D80DL/N1-C
Power supply			1-phase, 220-240V, 50Hz				
Capacity	Cooling	kW	3.6	4.5	5.6	7.1	8.0
	Heating	kW	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	49	120	122	125	130
	Heating	W	49	120	122	125	130
Airflow rate(H/M/L)		m³/h	650/570/500	800/600/500	800/600/500	800/600/500	1,200/900/700
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38	45/43/40
Net dimension(WxHxD)		mm	990×203×660	990×203×660	990×203×660	990×203×660	1280×203×660
Packing dimension(WxHxD)		mm	1089×296×744	1089×296×744	1089×296×744	1089×296×744	1379×296×744
Net/gross weight		kg	26/32	28/34	28/34	28/34	34.5/41
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller				

Model			MDV-D90DL/N1-C	MDV-D112DL/N1-C	MDV-D140DL/N1-C	MDV-D160DL/N1-C
Power supply			1-phase, 220-240V, 50Hz			
Capacity	Cooling	kW	9.0	11.2	14.0	16.0
	Heating	kW	10.0	12.5	15.0	18.0
Power input	Cooling	W	130	182	182	300
	Heating	W	130	182	182	300
Airflow rate(H/M/L)		m³/h	1200/900/700	1980/1860/1730	1980/1860/1730	1980/1860/1730
Sound pressure level(H/M/L)		dB(A)	45/43/40	47/45/42	47/45/42	47/45/42
Net dimension(WxHxD)		mm	1280×203×660	1670×244×680	1670×244×680	1670×285×680
Packing dimension(WxHxD)		mm	1379×296×744	1764×329×760	1764×329×760	1775×377×760
Net/gross weight		kg	34.5/41	54/59	54/59	57.5/63.5
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

60Hz AC fan motors

Model			MDV-D36DL/N1-C	MDV-D45DL/N1-C	MDV-D56DL/N1-C	MDV-D71DL/N1-C
Power supply			1-phase, 220-240V, 60Hz			
Cooling capacity		kW	3.6	4.5	5.6	7.1
		Btu/h	12300	15400	19100	24200
Heating capacity		kW	4.0	5.0	6.3	8.0
		Btu/h	13600	17100	21500	27300
Power input	Cooling	W	50	148	148	148
	Heating	W	50	148	148	148
Airflow rate(H/M/L)		m³/h	600/480/400	750/650/550	750/650/550	750/650/550
		CFM	353/283/235	441/383/324	441/383/324	441/383/324
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38
Net dimension(W×H×D)		mm(in.)	990×203×660(38-31/32×7-63/64×25-63/64)			
Packing dimension(W×H×D)		mm(in.)	1089×296×744(42-7/8×11-21/32×29-9/32)			
Net/gross weight		kg(lbs.)	26/32(57.3/70.6)	28/34(61.7/75.0)	28/34(61.7/75.0)	28/34(61.7/75.0)
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)		Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain piping	mm(in.)	Φ25(OD 63/64)			
Standard controller			Wireless remote controller			

Model			MDV-D80DL/N1-C	MDV-D90DL/N1-C	MDV-D112DL/N1-C	MDV-D140DL/N1-C	MDV-D160DL/N1-C
Power supply			1-phase, 220-240V, 60Hz				
Cooling capacity		kW	8.0	9.0	11.2	14.0	16.0
		Btu/h	27300	30700	38200	47800	54600
Heating capacity		kW	9.0	10.0	12.5	15.0	18.0
		Btu/h	30700	34100	42700	51200	61400
Power input	Cooling	W	183	183	245	245	378
	Heating	W	183	183	245	245	378
Airflow rate(H/M/L)		m³/h	1,200/900/700	1,200/900/700	1,980/1,860/1,730	1,980/1,860/1,730	2,300/2,100/1,800
		CFM	706/530/412	706/530/412	1,165/1,095/1,018	1,165/1,095/1,018	1,354/1,236/1,060
Sound pressure level(H/M/L)		dB(A)	45/43/40	45/43/40	47/45/42	47/45/42	47/45/42
Net dimension(W×H×D)		mm(in.)	1280×203×660(50-25/64×7-63/64×25-63/64)			1670×244×680(65-3/4×9-39/64×26-49/64)	
Packing dimension(W×H×D)		mm(in.)	1379×296×744(54-19/64×11-21/32×29-19/64)			1764×329×760(69-29/64×12-61/64×29-59/64)	
Net/gross weight		kg(lbs.)	34.5/41(76.1/90.4)			54/59(119.0/130.1)	
Piping connections	Liquid/gas pipe	mm(in.)	Ø9.53/Ø15.9(Ø3/8/Ø5/8)				
	Drain piping	mm(in.)	Ø25(OD 63/64)				
Standard controller			Wireless remote controller				

DC fan motors

Model			MI-36DL/DHN1-C	MI-45DL/DHN1-C	MI-56DL/DHN1-C	MI-71DL/DHN1-C
Power supply			1-phase, 220-240V, 50/60Hz			
Capacity	Cooling	kW	3.6	4.5	5.6	7.1
	Heating	kW	4.0	5.0	6.3	8.0
Power input	Cooling	W	23	94	94	94
	Heating	W	23	94	94	94
Airflow rate(H/M/L)		m ³ /h	550/480/420	930/830/720	930/830/720	930/830/720
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38
Sound power level(H/M/L)		dB(A)	51/50/49	54/53/51	54/53/51	54/53/51
Net dimension(W×H×D)		mm	990×203×660	990×203×660	990×203×660	990×203×660
Packing dimension(W×H×D)		mm	1089×296×744	1089×296×744	1089×296×744	1089×296×744
Net/gross weight		kg	25/31	27/33	27/33	27/33
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Model			MI-80DL/DHN1-C	MI-90DL/DHN1-C	MI-112DL/DHN1-C	MI-140DL/DHN1-C
Power supply			1-phase, 220-240V, 50/60Hz			
Capacity	Cooling	kW	8.0	9.0	11.2	14.0
	Heating	kW	9.0	10.0	12.5	15.0
Power input	Cooling	W	126	126	65×2	65×2
	Heating	W	126	126	65×2	65×2
Airflow rate(H/M/L)		m ³ /h	1280/1170/1050	1280/1170/1050	1890/1700/1580	1890/1700/1580
Sound pressure level(H/M/L)		dB(A)	45/43/40	45/43/40	47/45/42	47/45/42
Sound power level(H/M/L)		dB(A)	56/55/53	56/55/53	58/56/55	58/56/55
Net dimension(W×H×D)		mm	1280×203×660	1280×203×660	1670×244×680	1670×244×680
Packing dimension(W×H×D)		mm	1379×296×744	1379×296×744	1764×329×760	1764×329×760
Net/gross weight		kg	33.5/40	33.5/40	49/57	49/57
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Floor standing: Sound pressure level is measured at a position 1m (3.28ft) in front the unit and 1m (3.28ft) above the floor in a semi-anechoic chamber.
Ceiling mounted: Sound pressure level is measured at a position 1m (3.28ft) in front and 1m (3.28ft) below the unit in a semi-anechoic chamber.



Midea CAC News Application



iOS Version

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