

Cassette Series



One-way Cassette



Two-way Cassette



Compact Four-way Cassette



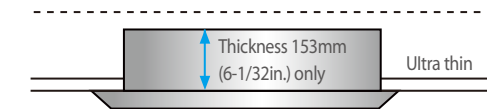
Four-way Cassette



One-way Cassette

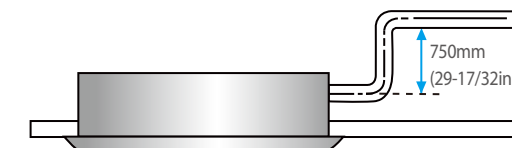
Thickness 153mm (6-1/32in.) only >>

Compact design, ultra slim body with a minimum thickness of 153mm(6-1/32in.) for models 18-36, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.



High-lift Pump >>

Standard built-in drain pump with 750mm(29-17/32in.) pump head.



Fresh Air, Improved Air Quality >>

Reserved fresh air intake port for high quality air creates a comfortable and healthy environment (for models 45-71).



Specifications

Model		MDV-D18Q1/1N1-D	MDV-D22Q1/1N1-D	MDV-D28Q1/1N1-D	MDV-D36Q1/1N1-D	MDV-D45Q1/1N1-D	MDV-D56Q1/1N1-D	MDV-D71Q1/1N1-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)	m ³ /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.(WxHxD)	mm(in.)	1054x153x425(41-1/2x6-1/32x16-47/64)				1275x189x450(50-13/64x7-7/16x17-23/32)		
	Packing dim.(WxHxD)	mm(in.)	1155x245x490(45-15/32x9-41/64x19-19/64)				1370x295x505(53-15/16x11-39/64x19-7/8)		
	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.(WxHxD)	mm(in.)	1180x25x465(46-29/64x63/64x18-5/16)				1350x25x505(53-5/32x63/64x19-7/8)		
	Packing dim.(WxHxD)	mm(in.)	1232x107x517(48-1/2x4-7/32x20-23/64)				1410x95x560(55-33/64x3-47/64x22-3/64)		
	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)	
	Drain pipe	mm(in.)	Φ25(OD 63/64)						
Standard controller		Wireless remote controller							

Notes:

- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Sound Level is measured 1.4m(4.59ft.) below the unit.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.



Two-way Cassette

Quiet Operation >>

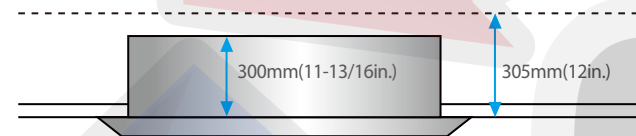
Optimized airflow duct with low resistance greatly reduces noise, down to a minimum of 24dB(A).

High-lift Pump >>

Standard built-in drain pump with 750mm(29-17/32in.) pump head (higher pumphead can be customized).

Stylish Design and Slim Body >>

Thanks to the stylish appearance and slim body, the unit can be harmonious with the room decoration and ambient. Slim body with only 300mm(11-13/16in.) height needs small space in suspended ceilings. Installation is free of story height limitation which makes the decoration much more flexible.



High Airflow >>

High airflow for high ceiling application guarantees comfort in large spaces. Guarantees even airflow and temperature throughout the room.



Specifications

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)	m ³ /h	674/509/381	674/509/381	740/577/435	878/689/561	941/776/654	1236/1110/864	
	CFM	397/300/224	397/300/224	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)						
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	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:

- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Sound Level is measured 1.4m(4.59ft.) below the unit.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

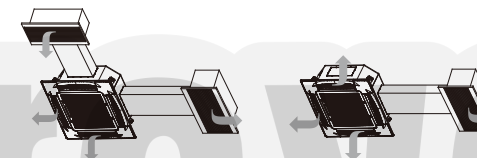
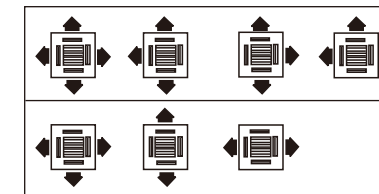
Four-way Cassette

Various Selections >>

Three selections: Compact Four-way Cassette, Four-way Cassette& Four-way Cassette Silent Type.

Flexible Air Distribution Type >>

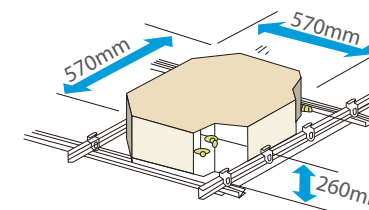
7 discharge patterns in 2 to 4 directions can be selected to suit the requirements of the installation site or the shape of the room.



Duct connection is possible

Compact Design, Easy Installation >>

For Compact Four-way Cassette: Extremely compact casing suits any room's decor and requires little space for installation on a low ceiling. Due to compact body and light weight, all models can be installed without a hoist.



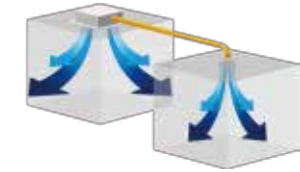
360° Airflow Outlet >>

For Compact Four-way Cassette: 360° air outlet provides strong air flow circulation to cool or heat every corner of a room and evenly control temperatures.



Sub Duct >>

Sub duct enables you to use the same air conditioner unit to cool an additional smaller space nearby.



Fresh Air Intake >>

Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.



Easy Troubleshooting >>

For Four-way Cassette& Four-way Cassette Silent Type: By adding digital tube on the display board, Error Codes can be displayed directly for troubleshooting.



Lower Operating Noise >>

For Four-way Cassette Silent Type: The newly designed fan blade, air deflector and the built-in throttling part reduce noise greatly.



High-lift Drain Pump >>

For Compact Four-way Cassette: Drain pump with a 500mm(19-11/16in.) pump head is fitted as standard; maximum 600mm(23-5/8in.) pump head is available. For Four-way Cassette& Four-way Cassette Silent Type: Drain pump can pump condenser water up to 750mm(29-17/32in.) high, which simplifies installation of the drain piping system.

Compact Four-way Cassette

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)	570x260x570(22-7/16x10-15/64x22-7/16)			
	Packing dim.(WxHxD)	675x285x675(26-9/16x11-7/32x26-9/16)			
	Net/gross weight	16/20(35.3/44.1)		18/22(39.7/48.5)	
Panel	Net dim.(WxHxD)	647x50x647(25-15/32x1-31/32x25-15/2)			
	Packing dim.(WxHxD)	715x123x715(28-5/32x4-27/32x28-5/32)			
	Net/gross weight	2.5/4.5(5.5/9.9)			
Piping connections	Liquid/gas pipe	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			
	Drain pipe	Φ25(OD 63/64)			
Standard controller		Wireless remote controller			

Four-way Cassette Silent Type

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)	840x230x840(33-1/16x9-1/16x33-1/16)				
	Packing dim.(WxHxD)	955x260x955(37-19/32x10-1/4x37-19/32)				
	Net/gross weight	21.5/26.7(47.3/58.7)		23.7/28.9(52.1/63.6)		
Panel	Net dim.(WxHxD)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	1035x90x1035(40-3/4x3-9/16x40-3/4)				
	Net/gross weight	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	Φ32(OD 1-17/64)				
Standard controller		Wireless remote controller				

Four-way Cassette

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.(WxHxD)	904x230x840(35-19/32x9-1/16x33-5/64)				
	Packing dim.(WxHxD)	955x260x955(37-19/32x10-15/64x37-19/32)				
	Net/gross weight	24/28(53/61.7)		26/30(57.3/66.2)		
Panel	Net dim.(WxHxD)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	1035x90x1035(40-3/4x3-35/64x40-3/4)				
	Net/gross weight	5/8(11.0/17.5)				
Piping connections	Liquid/gas pipe	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	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.(WxHxD)	840x230x840(33-1/16x9-1/16x33-1/16)		840x300x840(33-1/16x11-13/16x33-1/16)		
	Packing dim.(WxHxD)	955x260x955(37-19/32x10-15/64x37-19/32)		955x330x955(37-19/32x11-13/16x37-19/32)		
	Net/gross weight	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.(WxHxD)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	1035x90x1035(40-3/4x3-35/64x40-3/4)				
	Net/gross weight	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain pipe	Φ32(OD 1-17/64)				
Standard controller		Wireless remote controller				

Notes:

- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C(44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
- Sound Level is measured 1.4m(4.59ft.) below the unit.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

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)	904x230x840(35-19/32x9-1/16x33-5/64)		904x300x840(35-19/32x11-13/16x33-5/64)		
	Packing dim.(WxHxD)	955x260x955(37-19/32x10-15/64x37-19/32)		955x330x955(37-19/32x11-13/16x37-19/32)		
	Net/gross weight	26/30(57.3/66)		32/37(70.5/81.6)		
Panel	Net dim.(WxHxD)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	1035x90x1035(40-3/4x3-35/64x40-3/4)				
	Net/gross weight	5/8(11.0/17.6)				
Piping connections	Liquid/gas pipe	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain pipe	Φ32(OD 1-17/64)				
Standard controller		Wireless remote controller				