Библиотека СОК

Concealed Duct Unit (Slim A5 Type)

1. Features 114

2. Specifications 117

3. Dimensions 121

4. Service Spaces 123

5. Piping Diagrams 124

7. Fan Performance 127

8. Capacity Tables 129

9. Electrical Characteristics 134

10. Sound Levels 135

11. Accessories 140

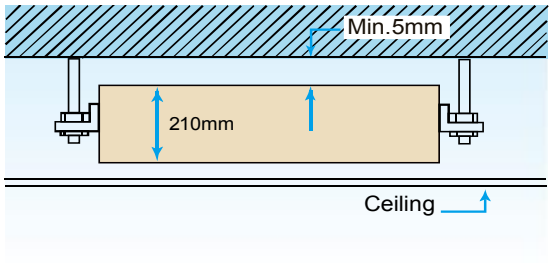
1. Features

1.1 Compact size



15~71 V shape evaporator models

Only 210 mm (15~71models)in height and 500mm (15~71 V shape evaporator models) or 635mm (MDV-D71T2/N1-CA5) in depth, these models can be installed in rooms with as little as 230mm height between the drop ceiling and ceiling slab, and rooms required less depth.



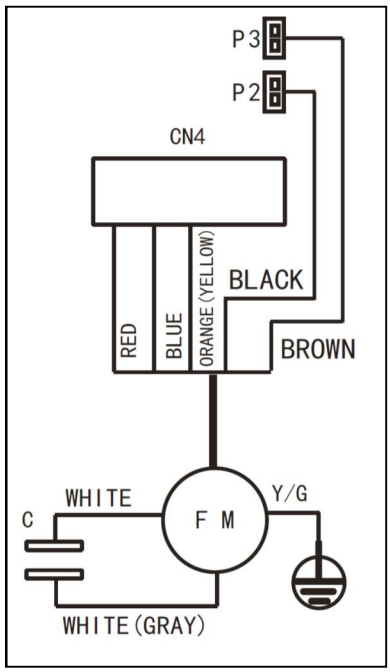
1.2 Capacity range

The capacity ranges from 1.5kW to 7.1kW, totally eight models available.

1.3 Four speed fan motor(Super High 'SH' speed as an option).

1.4 Two external static pressure settings for added flexibility

Just exchange the wiring connection of 'SH' and 'H'. P2 and P3 as the right side diagram.



1.5 Convenient installation

1.5.1 The EXV is fixed inside the indoor unit, which makes the main body without an extra throttle kit box.

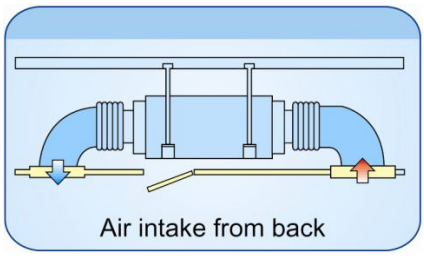
1.5.2 Standard filter with aluminum frame, which is removable downward from the bottom.

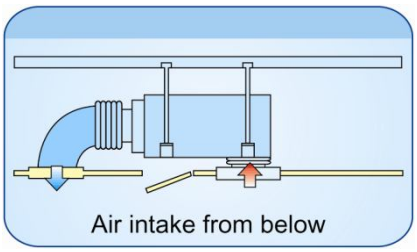
1.5.3 Suction chamber is included as standard equipment.

1.5.4 Flange for air in/outlet duct connection is standard.

1.5.5 Air inlet from back standard and from bottom optional.

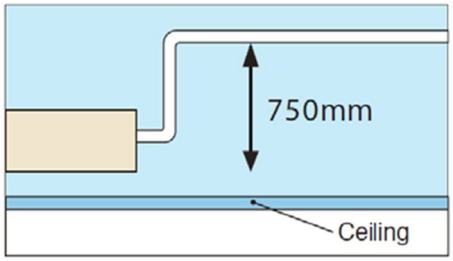
Size of the plate from bottom and flange from back is the same, which makes it possible to convert the air return from back to bottom easily by installer.





1.5.6 Standard built-in drain pump

Drain pump is equipped as standard accessory with 750 mm pump head.



1.6 Flexible control and convenient for maintenance

1.6.1 Standard wired controller KJR-29B1/BK-E, and wireless remote controller RM05/BG(T)E-A is optional.

1.6.2 The display board is connected with the E-box in factory, which makes troubleshooting easier by LED display.



15~71model (V shape evaporator)(Standard)

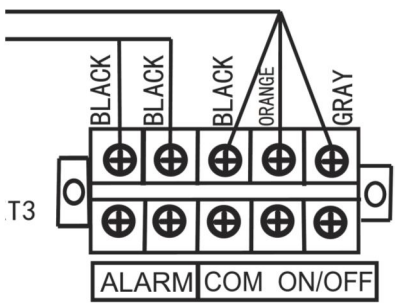


model (MDV-D71T2/N1-CA5) (Standard)

1.6.3 The electrical control box is possible to remove 1m far away from the main unit, which is suitable for the small space hard to maintain. (It should be required by client in advance and done by Midea CAC in factory)

1.6.4 The EXV is fixed inside the indoor unit, which is weld connection and convenient for installation.

1.6.5 Standard functional port such as Remote On/Off Dry contact switch, and Alarm signal output (220V).



1.7 Auto restart

When there is a power failure, the indoor unit will restart automatically after power restores, and the operation state will be the same as its original state.

2. Specifications

Model			MDV-D15T2/N1-DA5	MDV-D22T2/N1-DA5	MDV-D28T2/N1-DA5
Power supply		V-Hz-Ph	220-240V-50Hz-1Ph		
Cooling	Capacity	kW	1.5	2.2	2.8
	Input	W	56	57	57
	Rated current	A	0.31	0.31	0.31
Heating	Capacity	kW	1.7	2.6	3.2
	Input	W	56	57	57
	Rated current	A	0.31	0.31	0.31
Indoor fan motor	Model		YSK27-4C(B)	YSK27-4C(B)	YSK27-4C(B)
	Type		AC motor	AC Motor	AC Motor
	Brand		Broad-ocean / Welling	Broad-ocean / Welling	Broad-ocean / Welling
	Input	W	48	50.4	50.4
	Capacitor	μF	1.0μF/450V	1.5μF/450V	1.5μF/450V
	Speed (SH/H/M/L)	r/min	1088/888/765/682	1200/1000/865/760	1200/1000/865/760
Indoor coil	Number of rows		2	2	2
	Tube pitch(a) × row pitch(b)	mm	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.5	1.5	1.5
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside diameter and type	mm	Φ7 Inner groove tube	Φ7 Inner groove tube	Φ7 Inner groove tube
	Length× height× width	mm	515×147×26.74	515×147×26.74	515×147×26.74
	Number of circuits		2	3	4
Indoor air flow (SH/H/M/L)		m^3/h	588(30pa)/538/456/375	588(30pa)/538/456/375	588(30pa)/538/456/375
Indoor external static pressure (H)		Pa	10(10~30)	10(10~30)	10(10~30)
Indoor noise level (H/M/L)		dB(A)	35.8/34.6/31.4	36/35/32	37/35/32
Indoor unit	Dimension (W×H×D)	mm	740x210x500	740x210x500	740x210x500
	Packing (W×H×D)	mm	870×285×525	870×285×525	870×285×525
	Net/Gross weight	kg	17.5/20.5	17.5/20	17.5/20
Fresh Air intake hole diameter (round)		mm	Φ92	Φ92	Φ92
Refrigerant type			R410A	R410A	R410A
Throttle		Type	EXV	EXV	EXV
		Model	BD20FKS(L)	BD20FKS(L)	BD20FKS(L)
Design pressure(H/L)		MPa	4.4/2.6	4.4/2.6	4.4/2.6
Refrigerant piping	Liquid / Gas	mm	Φ6.35/ Φ12.7	Φ6.35/ Φ12.7	Φ6.35/ Φ12.7
Connecting wiring	Power wiring	mm^2	3×2.5(L≤20m) ; 3×3.5(L≤50m)	3×2.5(L≤20m); 3×3.5(L≤50m)	3×2.5(L≤20m); 3×3.5(L≤50m)
	Signal wiring	mm^2	3×0.75	3×0.75	3×0.75
Drainage water pipe diameter		mm	OD Φ25	OD Φ25	OD Φ25
Controller			Wired controller KJR-29B1/BK-E (6 meters connection wire)		

Notes: 1. Nominal cooling capacities are based on the following conditions: return air temperature : 27°CDB/19°CWB, outdoor temperature:35°CDB, equivalent piping: 8m(horizontal).

2. Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature:7°CDB/6°CWB, equivalent piping: 8m(horizontal).

3. 1.5kW model is only available for V4 Plus system and MINI VRF system.

Model			MDV-D36T2/N1-DA5	MDV-D45T2/N1-DA5
Power supply		V-Hz-Ph	220-240V-50Hz-1Ph	
Cooling	Capacity	kW	3.6	4.5
	Input	W	61	98
	Rated current	A	0.33	0.36
Heating	Capacity	kW	4.0	5
	Input	W	61	98
	Rated current	A	0.33	0.36
Indoor fan motor	Model		YSK27-4C(B)	YSK48-4P
	Type		AC Motor	AC Motor
	Brand		Broad-ocean / Welling	Welling
	Input	W	51.2	80
	Capacitor	μF	2.0μF/450V	3.5μF/450V
	Speed (SH/H/M/L)	r/min	1270/1130/980/870	1135/1040/860/770
Indoor coil	Number of rows		2	2
	Tube pitch(a) × row pitch(b)	mm	21×13.37	21×13.37
	Fin spacing	mm	1.5	1.3
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside diameter and type	mm	Φ7 Inner groove tube	Φ7 Inner groove tube
	Length × height × width	mm	515×147×26.74	734×147×26.74
	Number of circuits		4	6
Indoor air flow (SH/H/M/L)		m^3/h	614(30pa)/597/514/429	763(30pa)/811/684/575
Indoor external static pressure (H)		Pa	10(10~30)	10(10~30)
Indoor noise level (H/M/L)		dB(A)	38.6/37.5/33.8	39/37.9/34
Indoor unit	Dimension (W×H×D)	mm	740x210x500	960x210x500
	Packing (W×H×D)	mm	870×285×525	1115x285x525
	Net/Gross weight	kg	17.5/20	22.5/26
Fresh Air intake hole diameter (round)		mm	Φ92	Φ92
Refrigerant type			R410A	R410A
Throttle		Type	EXV	EXV
		Model	BD20FKS(L)	BD20FKS(L)
Design pressure(H/L)		MPa	4.4/2.6	4.4/2.6
Refrigerant piping	Liquid / Gas	mm	Φ6.35/ Φ12.7	Φ6.35/ Φ12.7
Connecting wiring	Power wiring	mm^2	3×2.5(L≤20m); 3×3.5(L≤50m)	3×2.5(L≤20m); 3×3.5(L≤50m)
	Signal wiring	mm^2	3×0.75	3×0.75
Drainage water pipe diameter		mm	OD Φ25	OD Φ25
Controller			Wired controller KJR-29B1/BK-E (6 meters connection wire)	

Notes: 1. Nominal cooling capacities are based on the following conditions: return air temperature : 27°CDB/ 19°CWB, outdoor temperature:35°CDB, equivalent piping: 8m(horizontal).

2. Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature:7°CDB/6°CWB, equivalent piping: 8m(horizontal).

3. 1.5kW model is only available for V4 Plus system and MINI VRF system.

Model			MDV-D56T2/N1-DA5	MDV-D71T2/N1-DA5
Power supply		V-Hz-Ph	220-240V-50Hz-1Ph	
Cooling	Capacity	kW	5.6	7.1
	Input	W	103	140
	Rated current	A	0.36	0.47
Heating	Capacity	kW	6.3	8
	Input	W	103	140
	Rated current	A	0.36	0.47
Indoor fan motor	Model		YSK48-4P	YSK61-4P
	Type		AC Motor	AC Motor
	Brand		Welling	Welling
	Input	W	80	108
	Capacitor	μF	3.5μF/450V	3.5μF/450V
	Speed (SH/H/M/L)	r/min	1135/1040/860/770	1220/955/875/745
Indoor coil	Number of rows		2	2
	Tube pitch(a) × row pitch(b)	mm	21×13.37	21×13.37
	Fin spacing	mm	1.3	1.3
	Fin type		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside diameter and type	mm	Φ7 Inner groove tube	Φ7 Inner groove tube
	Length × height × width	mm	515×147×26.74	952×147×26.74
	Number of circuits		6	6
Indoor air flow (SH/H/M/L)		m^3/h	763(30pa)/811/684/575	1127(30pa)/1029/934/781
Indoor external static pressure (H)		Pa	10(10~30)	10(10~30)
Indoor noise level (H/M/L)		dB(A)	39/37.9/34	41.4/39/35
Indoor unit	Dimension (W×H×D)	mm	960x210x500	1180x210x500
	Packing (W×H×D)	mm	1115x285x525	1335x285x525
	Net/Gross weight	kg	22.5/26	28/31.5
Fresh Air intake hole diameter (round)		mm	Φ92	Φ92
Refrigerant type			R410A	R410A
Throttle		Type	EXV	EXV
		Model	BD20FKS(L)	BD20FKS(L)
Design pressure(H/L)		MPa	4.4/2.6	4.4/2.6
Refrigerant piping	Liquid / Gas	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9
Connecting wiring	Power wiring	mm^2	3×2.5(L≤20m); 3×3.5(L≤50m)	3×2.5(L≤20m); 3×3.5(L≤50m)
	Signal wiring	mm^2	3×0.75	3×0.75
Drainage water pipe diameter		mm	OD Φ25	OD Φ25
Controller			Wired controller KJR-29B1/BK-E (6 meters connection wire)	

Notes: 1. Nominal cooling capacities are based on the following conditions: return air temperature : 27°CDB/ 19°CWB, outdoor temperature:35°CDB, equivalent piping: 8m(horizontal).

2. Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature:7°CDB/6°CWB, equivalent piping: 8m(horizontal).

3. 1.5kW model is only available for V4 Plus system and MINI VRF system.

Model			MDV-D71T2/N1-CA5
Power supply		V-Hz-Ph	220-240V-50Hz-1Ph
Cooling	Capacity	kW	7.1
	Input	W	125
	Rated current	A	0.7
Heating	Capacity	kW	8
	Input	W	125
	Rated current	A	0.7
Indoor fan motor	Model		YSK70-4P
	Type		AC Motor
	Brand		Yongan / Welling
	Input	W	125
	Capacitor	μF	3.5μF/450V
	Speed (SH/H/M/L)	r/min	1315/1202/1066/1005
Indoor coil	Number of rows		3
	Tube pitch(a) × row pitch(b)	mm	21×13.37
	Fin spacing	mm	1.5
	Fin type		Hydrophilic aluminum
	Tube outside diameter and type	mm	Φ7 Inner groove tube
	Length × height × width	mm	955×252×40.1
	Number of circuits		5
Indoor air flow (SH/H/M/L)		m^3/h	1138(30pa)/974/844/622
Indoor external static pressure (H)		Pa	10(10~30)
Indoor noise level (H/M/L)		dB(A)	42/40/35
Indoor unit	Dimension (W×H×D)	mm	1230×210×635
	Packing (W×H×D)	mm	1355×290×655
	Net/Gross weight	kg	31.8/35.8
Fresh Air intake hole diameter (round)		mm	Φ92
Refrigerant type			R410A
Throttle		Type	EXV
		Model	BD20FKS(L)
Design pressure(H/L)		MPa	4.4/2.6
Refrigerant piping	Liquid / Gas	mm	Φ9.53/Φ15.9
Connecting wiring	Power wiring	mm^2	3×2.5(L≤20m); 3×3.5(L≤50m)
	Signal wiring	mm^2	3×0.75
Drainage water pipe diameter		mm	OD Φ25
Controller			Wired controller KJR-29B1/BK-E (6 meters connection wire)

Notes: 1. Nominal cooling capacities are based on the following conditions: return air temperature : 27°CDB/ 19°CWB, outdoor temperature:35°CDB, equivalent piping: 8m(horizontal).

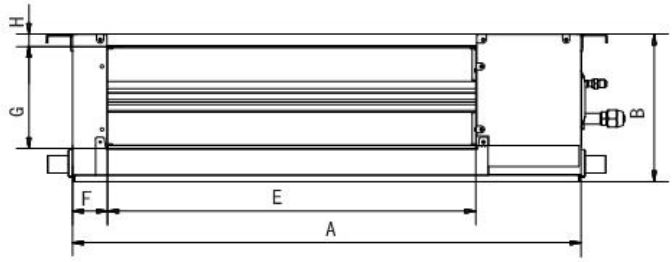
2. Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature:7°CDB/6°CWB, equivalent piping: 8m(horizontal).

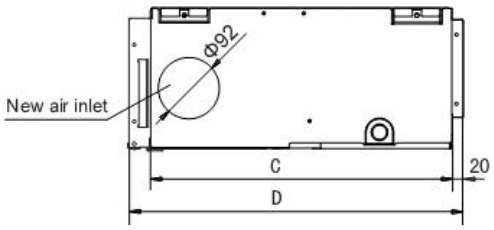
3. 1.5kW model is only available for V4 Plus system and MINI VRF system.

3. Dimensions

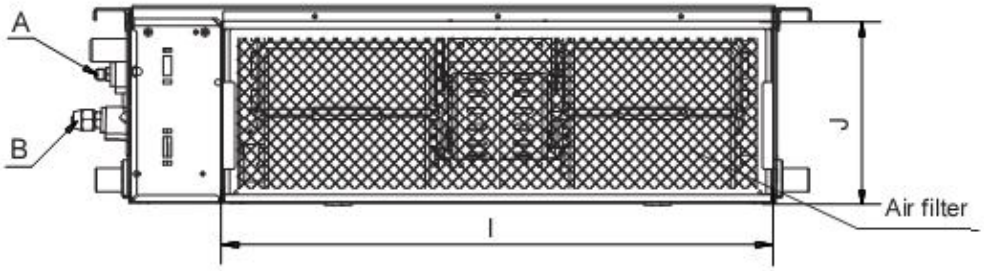
For models: MDV-D15T2/N1-DA5, MDV-D22T2/N1-DA5, MDV-D28T2/N1-DA5, MDV-D36T2/N1-DA5
MDV-D45T2/N1-DA5, MDV-D56T2/N1-DA5, MDV-D71T2/N1-DA5

Outline dimension and air outlet opening size: （Unit: mm）

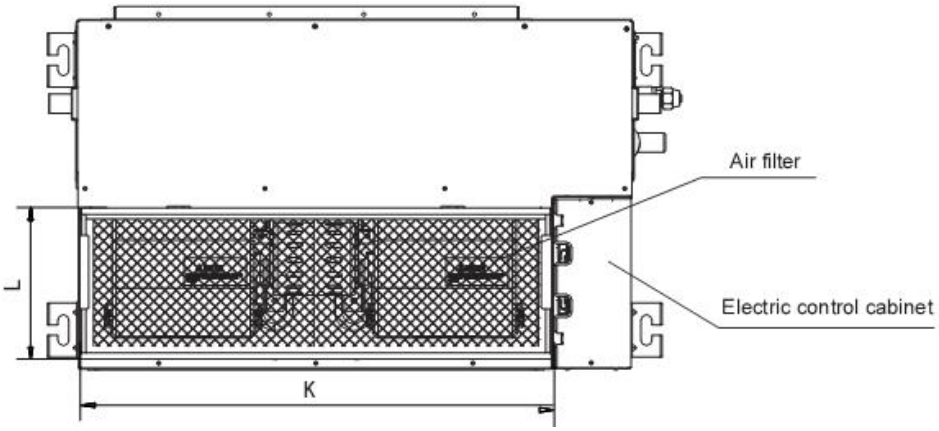




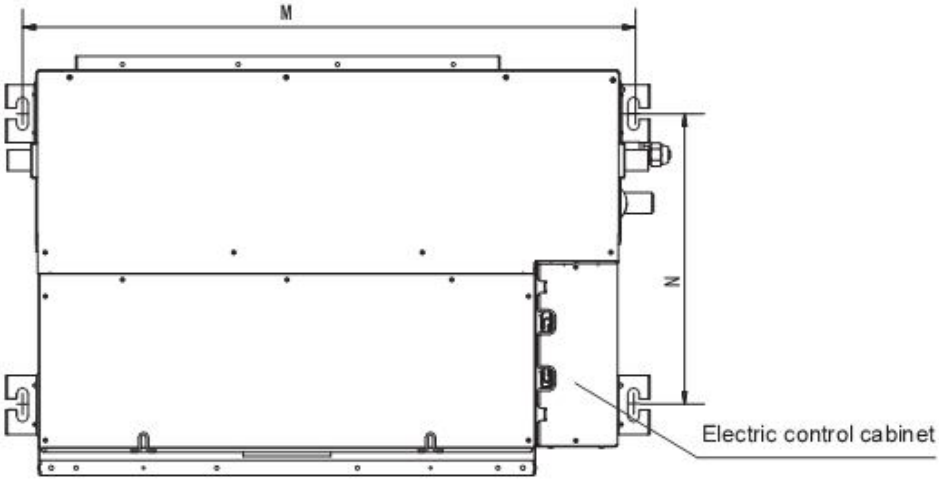
Air return opening size:



Position size of declensional ventilation opening:



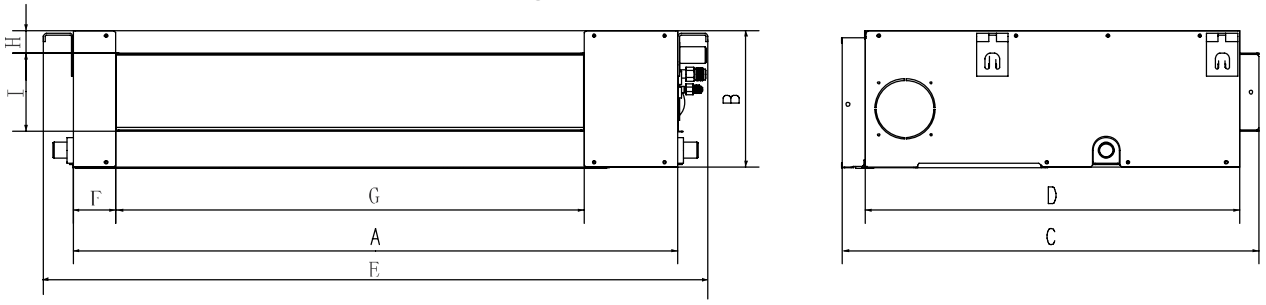
Size of mounted lug:



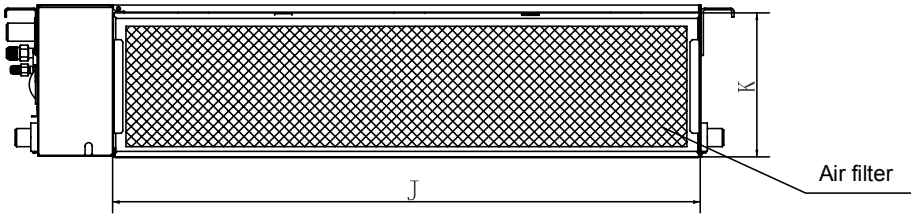
Mode(W)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1500~3600	700	210	450	500	512	45	145	17	600	196	600	196	740	350
4500~5600	920	210	450	500	732	45	145	17	820	200	820	200	960	350
7100	1140	210	450	500	950	45	145	17	1040	200	1040	200	1180	350

For model:
MDV-D71T2/N1-CA5

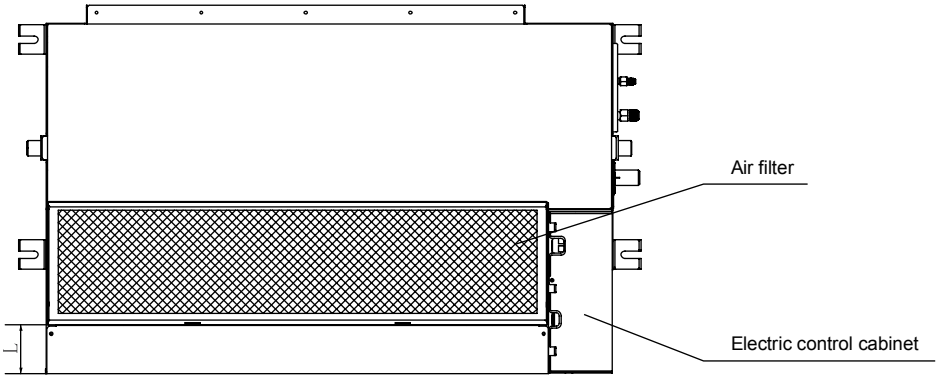
Outline dimension and air outlet opening size: （Unit: mm）



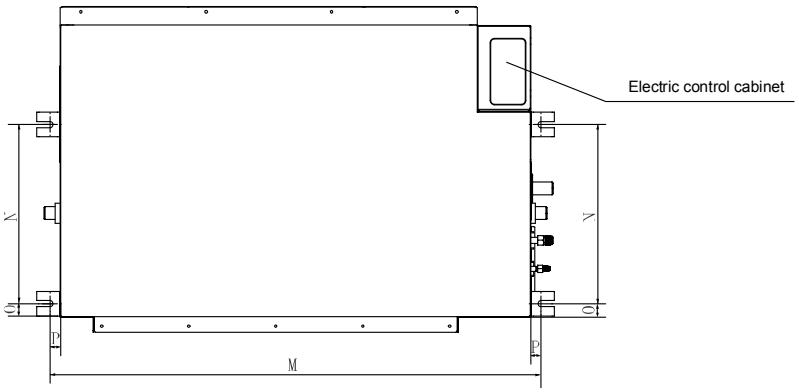
Air return opening size:



Position size of declensional ventilation opening:



Size of mounted lug:



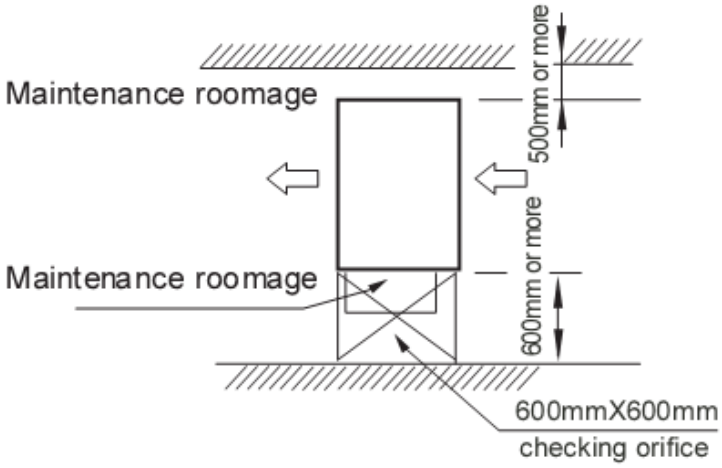
MODEL	Outline dimension					Air outlet opening size		
	A	B	C	D	E	F	G	H
MDV-D71T2/N1-CA5	1140	210	635	570	1230	65	933	35

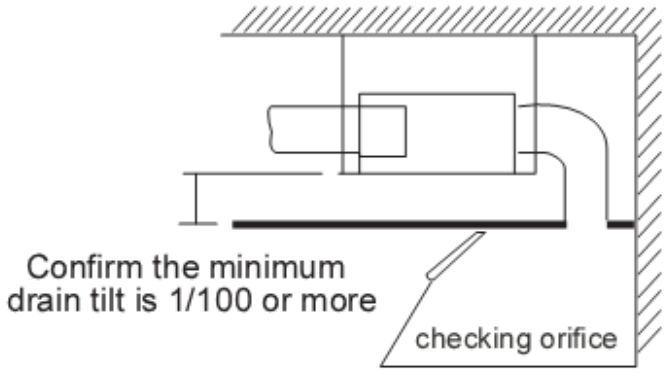
MODEL	Air return opening size				Size of mounted lug			
	I	J	K	L	M	N	O	P
MDV-D71T2/N1-CA5	119	1035	200	75	1180	350	26	20

4. Service Spaces

- Ensure the needed spaces for installation and maintenance.
- The ceiling is horizontal and its structure can endure the weight of the indoor unit.
- The outlet and the inlet are not impeded, and the influence of external air is the least.
- The air flow can reach throughout the room.
- The connecting pipe and drainpipe could be extracted out easily.
- There is no direct radiation from heaters.

Confirm that there is enough room for installation and maintenance:

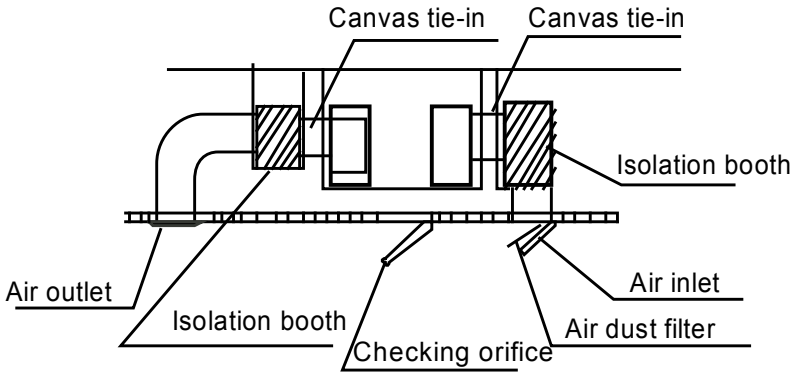




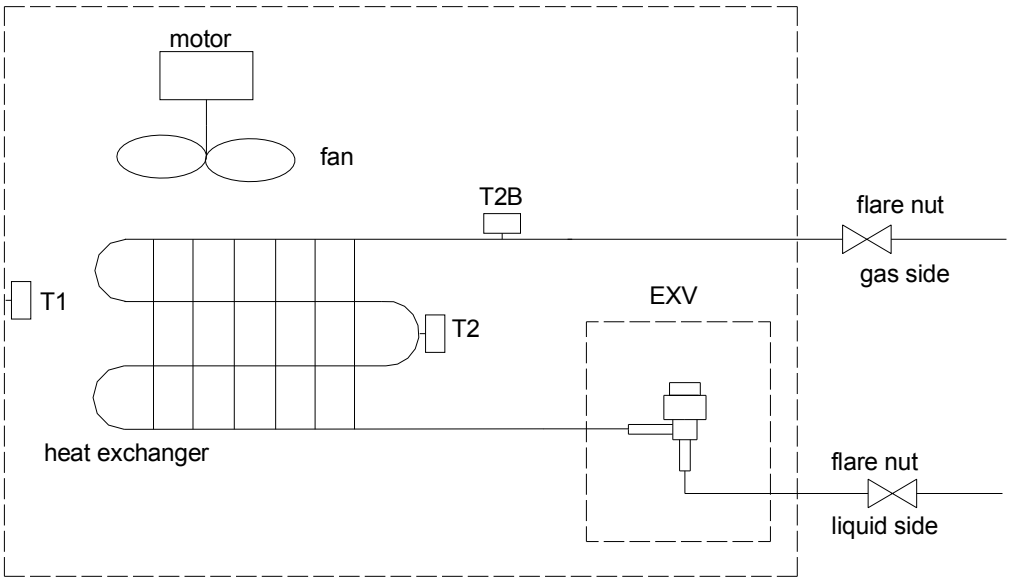
(1) Air inlet and air outlet duct should be apart far enough to prevent air outlet entering air inlet.

(2) There is dust filter on the indoor unit.

Recommended duct connection:



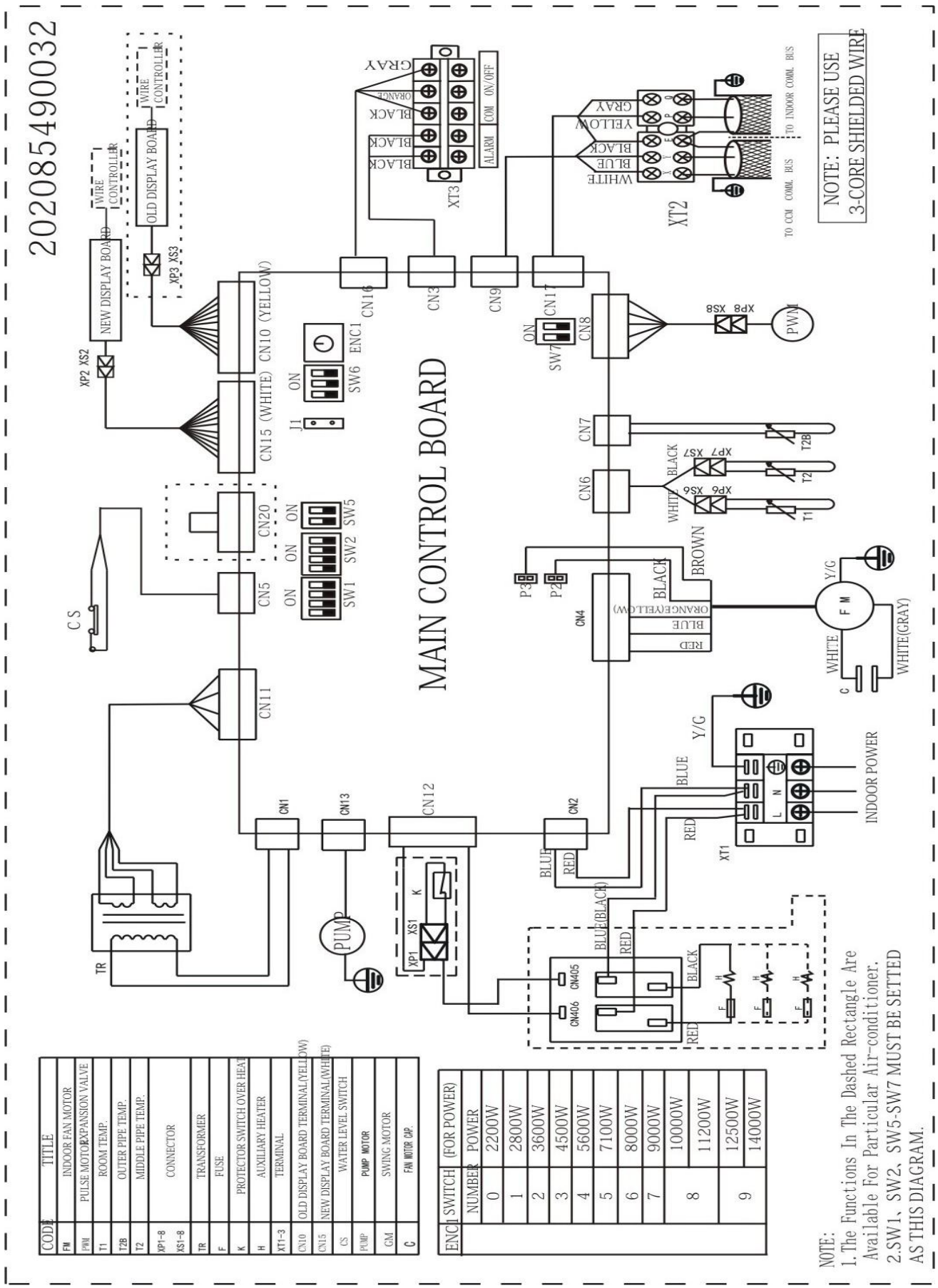
5. Piping Diagrams



6. Wiring Diagrams

For models:

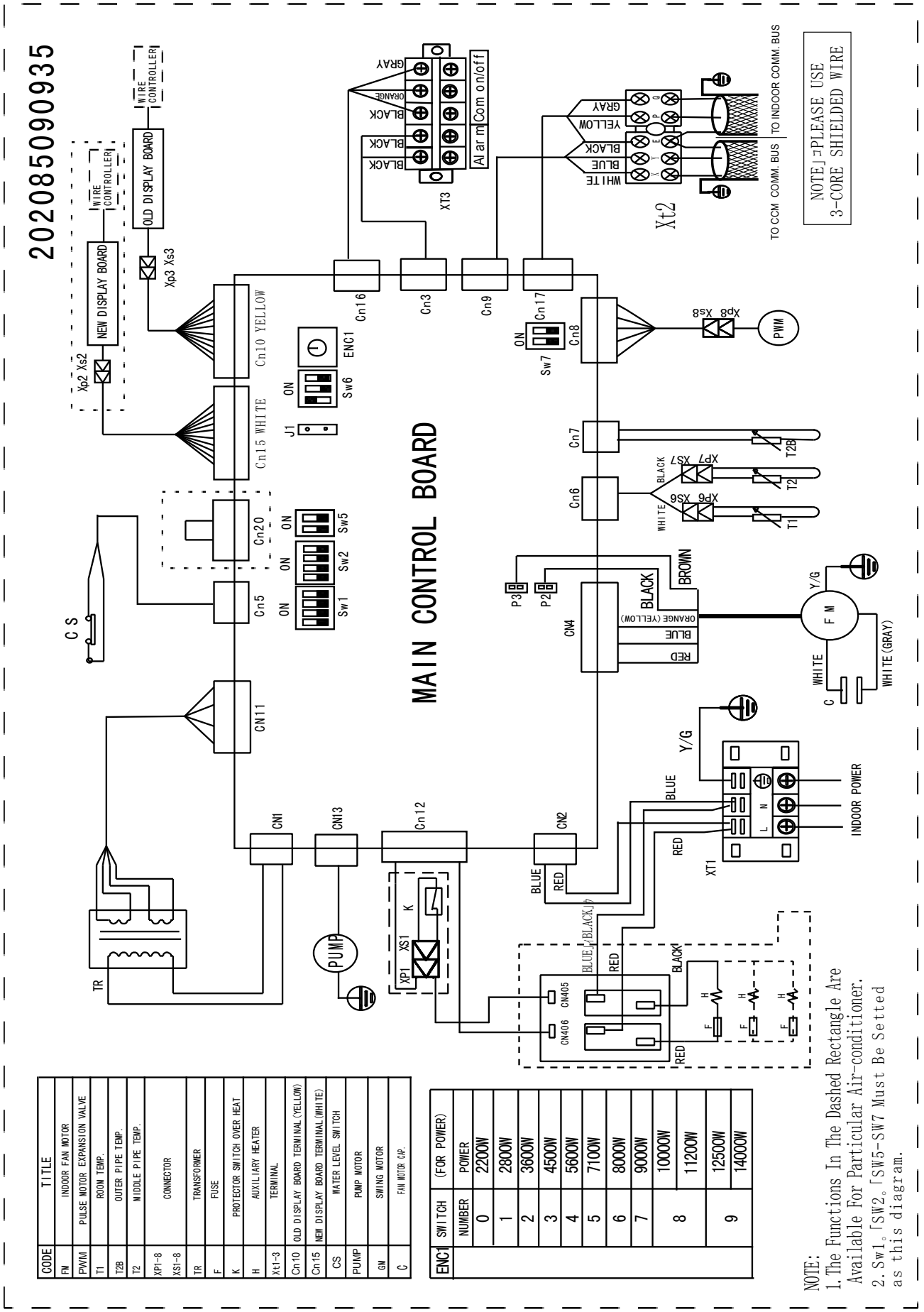
MDV-D15T2/N1-DA5, MDV-D22T2/N1-DA5, MDV-D28T2/N1-DA5, MDV-D36T2/N1-DA5
MDV-D45T2/N1-DA5, MDV-D56T2/N1-DA5, MDV-D71T2/N1-DA5



CODE	TITLE
FM	INDOOR FAN MOTOR
PMV	PULSE MOTOR EXPANSION VALVE
T1	ROOM TEMP.
T2B	OUTER PIPE TEMP.
T2	MIDDLE PIPE TEMP.
XP1-8 XS1-8	CONNECTOR
TR	TRANSFORMER
F	FUSE
K	PROTECTOR SWITCH OVER HEAT
H	AUXILIARY HEATER
XT1-3	TERMINAL
CN10	OLD DISPLAY BOARD TERMINAL(YELLOW)
CN15	NEW DISPLAY BOARD TERMINAL(WHITE)
CS	WATER LEVEL SWITCH
PUMP	PUMP MOTOR
GM	SWING MOTOR
C	FAN MOTOR CAP

ENC1 SWITCH	(FOR POWER)
NUMBER	POWER
0	2200W
1	2800W
2	3600W
3	4500W
4	5600W
5	7100W
6	8000W
7	9000W
8	10000W
	11200W
9	12500W
	14000W

For model:
MDV-D71T2/N1-CA5



CODE	TITLE
FM	INDOOR FAN MOTOR
PVM	PULSE MOTOR EXPANSION VALVE
T1	ROOM TEMP.
T2B	OUTER PIPE TEMP.
T2	MIDDLE PIPE TEMP.
XP1-8 XS1-8	CONNECTOR
TR	TRANSFORMER
F	FUSE
K	PROTECTOR SWITCH OVER HEAT
H	AUXILIARY HEATER
Xt1-3	TERMINAL
Cn10	OLD DISPLAY BOARD TERMINAL(YELLOW)
Cn15	NEW DISPLAY BOARD TERMINAL(WHITE)
CS	WATER LEVEL SWITCH
PUMP	PUMP MOTOR
GM	SWING MOTOR
C	FAN MOTOR CAP.

ENC1 SWITCH NUMBER	(FOR POWER) POWER
0	2200W
1	2800W
2	3600W
3	4500W
4	5600W
5	7100W
6	8000W
7	9000W
8	10000W
	11200W
9	12500W
	14000W

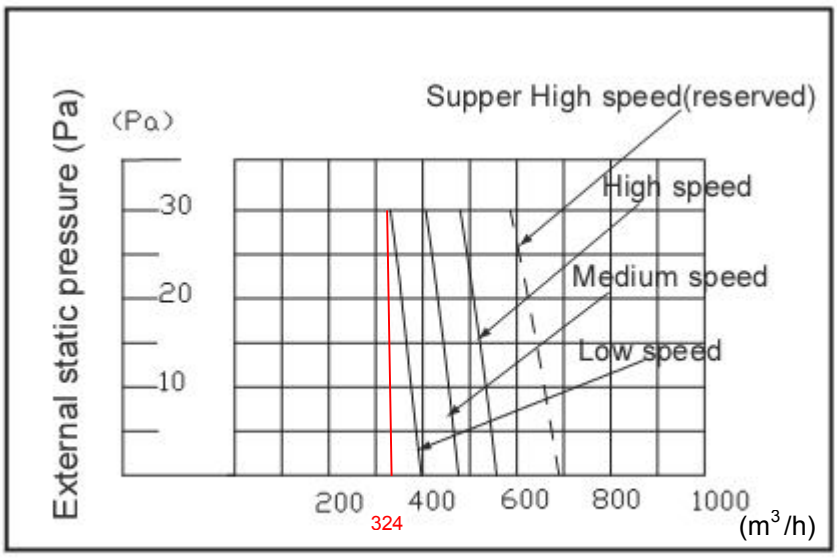
NOTE:
1. The Functions In The Dashed Rectangle Are Available For Particular Air-conditioner.
2. Sw1。「SW2。「SW5-SW7 Must Be Setted as this diagram.

7. Fan Performance

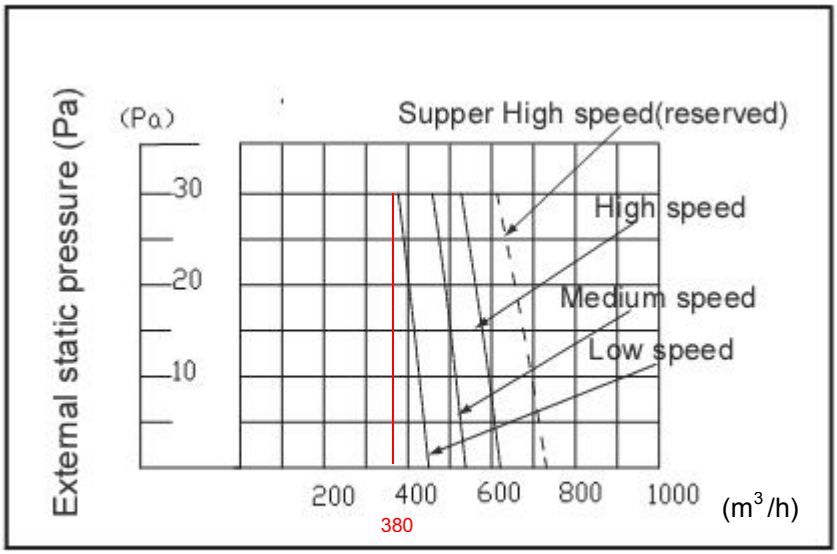
How to read the diagram

The vertical axis is the External Static Pressure **(Pa)** while the horizontal axis represents the Air Flow Volume **(m^3/h)**. The characteristic curve for the “H”, “M” and “L” fan speed control, as well the reserved “SH” speed. The nameplate values are shown based on the “H” air flow.

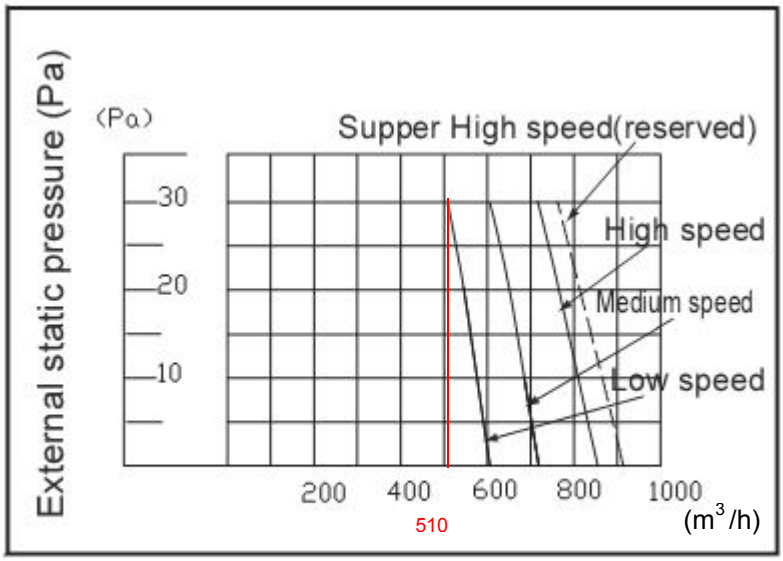
Therefore in the case of **22T2** Type, the air flow is 538(m^3/h), while the External Static Pressure is 10Pa at “H” position. If 30Pa is needed, the airflow is at “SH”.



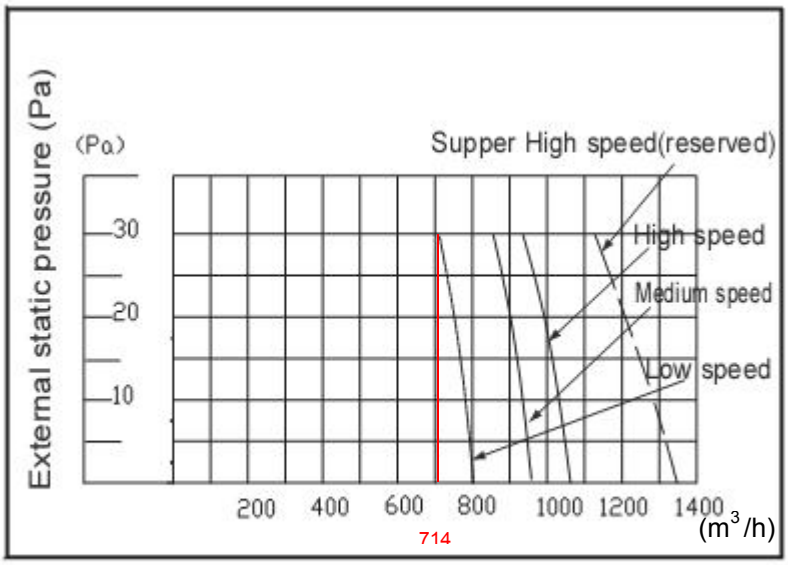
2.2KW~2.8KW



3.6KW

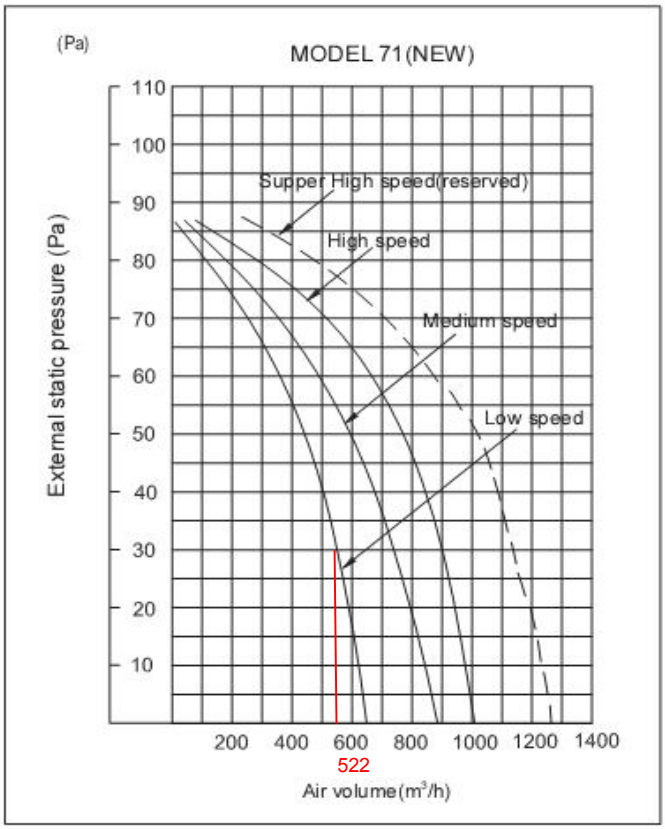


4.5KW~5.6KW



7.1KW

MDV-D71T2/N1-CA5



- If the external static pressure is too great (due to long extension of duct, for example), the air flow volume may drop too low at each air outlet.
- So there's a limit air flow volume line for each speed and it is the min. airflow of this duct unit. At this flow volume, the fan achieves the max. ESP and indoor evaporator may be protected by low temperature.
- As well, there's a limit airflow volume, which is the max. value at each speed. It requests the unit to connect ducts for air inlet and outlet to prevent damage from the high temperature of motor/evaporator.

8. Capacity Tables

8.1 Cooling

TC: Total capacity **SC**: Sensible capacity **WB**: Wet-bulb temperature **DB**: Dry-bulb temperature

Indoor Unit size (kW)	Outdoor temperature (℃DB)	Indoor temperature (℃WB/DB)													
		14/20		16/23		18/26		19/27		20/28		22/30		24/32	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1.5	10.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	2.0	1.1
	12.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.9	1.0
	14.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.9	1.0
	16.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.9	1.0
	18.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.9	1.0
	20.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.8	1.0
	21.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.8	1.1	1.8	1.0
	23.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.8	1.0
	25.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.8	0.9
	27.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.8	0.9
	29.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.7	0.9
	31.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.7	0.9
	33.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.7	1.0	1.7	1.0
	35.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.6	0.9	1.7	1.0
	37.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.6	1.1	1.6	0.9	1.6	0.9
	39.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.5	1.0	1.6	0.9	1.6	0.9
	42.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.5	1.0	1.6	0.9	1.6	0.9
	44.0	1.0	0.9	1.2	0.9	1.4	1.0	1.5	1.0	1.5	1.0	1.6	0.9	1.6	0.9
	46.0	1.0	0.9	1.2	1.0	1.4	1.0	1.5	1.0	1.5	1.0	1.6	0.9	1.6	0.9
2.2	10.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.9	1.7
	12.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	14.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	16.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	18.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.8	1.6
	20.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.7	1.5
	21.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.6	1.7	2.7	1.5
	23.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.7	1.5
	25.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.6	1.5
	27.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.5	1.6	2.6	1.5
	29.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	31.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.5	1.5
	33.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.4	1.5	2.4	1.5
	35.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.3	1.5	2.4	1.5
	37.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.3	1.7	2.3	1.5	2.3	1.5
	39.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
	42.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
	44.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
	46.0	1.5	1.4	1.8	1.5	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
2.8	10.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.7	2.2
	12.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.6	2.1
	14.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.6	2.1
	16.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.5	2.1
	18.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.5	2.1
	20.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.4	2.1
	21.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.2	3.4	2.1
	23.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.1	3.4	2.1
	25.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.1	3.3	2.0
	27.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.1	3.3	2.0
	29.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.1	2.0	3.2	1.9
	31.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.1	2.0	3.2	1.9
	33.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	3.0	2.1	3.1	2.0	3.1	1.9
	35.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.0	3.1	1.9
	37.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.0	3.0	1.8
	39.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.1	3.0	1.9
	42.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.1	3.0	1.9
	44.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.1	3.0	1.9
	46.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.9	2.0	3.0	2.1	3.0	1.9

3.6	10.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.7	2.7
	12.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.7	2.7
	14.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.6	2.6
	16.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.5	2.6
	18.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.5	2.6
	20.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.4	2.5
	21.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.3	2.6	4.4	2.5
	23.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.5	4.3	2.4
	25.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.1	2.5	4.2	2.4
	27.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.0	2.4	4.2	2.4
	29.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.0	2.4	4.1	2.4
	31.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.2	2.8	4.1	2.4
	33.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.2	2.8	3.9	2.3
	35.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.7	4.2	2.8	3.9	2.3
	37.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.9	2.3
	39.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.8	2.3
	42.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.8	2.3
	44.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.8	2.3
	46.0	2.5	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.8	2.3
4.5	10.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.9	3.3
	12.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.9	3.3
	14.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.8	3.3
	16.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.6	3.2
	18.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.7	3.3
	20.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.7	3.3
	21.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.6	3.3
	23.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.3	3.7	5.5	3.2
	25.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.2	3.3	5.4	3.2
	27.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.1	3.2	5.2	3.0
	29.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.1	3.2	5.2	3.0
	31.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	5.0	3.1	5.1	2.9
	33.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	4.9	3.1	5.1	2.9
	35.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	4.8	3.0	5.0	2.9
	37.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.8	3.2	4.8	3.1	4.9	2.8
	39.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.1	4.8	2.8
	41.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.1	4.8	2.8
	43.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.1	4.8	2.8
	45.0	3.1	2.6	3.7	2.8	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.1	4.8	2.8
5.6	10.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	7.3	3.9
	12.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	7.2	3.8
	14.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	7.1	3.8
	16.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	7.0	3.7
	18.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	6.8	3.7
	20.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	6.7	3.6
	21.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	6.6	3.6
	23.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	6.6	3.5
	25.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.6	3.9	6.5	3.5
	27.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.4	3.8	6.4	3.5
	29.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.3	3.8	6.4	3.6
	31.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.2	3.7	6.2	3.4
	33.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.2	3.7	6.2	3.4
	35.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	6.0	3.6	6.0	3.4
	37.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.9	3.8	5.9	3.5	6.0	3.4
	39.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.7	3.7	5.8	3.5	6.0	3.4
	41.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.7	3.7	5.8	3.5	6.0	3.4
	43.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.7	3.7	5.8	3.5	6.0	3.4
	45.0	3.9	3.0	4.6	3.3	5.3	3.6	5.6	3.7	5.7	3.7	5.8	3.5	6.0	3.4
7.1	10.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	9.2	5.0
	12.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	9.1	4.9
	14.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	9.0	4.9
	16.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.9	4.8
	18.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.7	4.7
	20.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.5	4.6
	21.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.4	4.5
	23.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.3	4.5

	25.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.4	4.9	8.2	4.4
	27.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.1	4.7	8.2	4.5
	29.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	8.0	4.7	8.1	4.5
	31.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.9	4.6	7.8	4.3
	33.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.8	4.6	7.8	4.3
	35.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.5	4.8	7.6	4.5	7.7	4.2
	37.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.4	4.8	7.5	4.5	7.6	4.3
	39.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.4	4.4	7.6	4.3
	42.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.4	4.4	7.6	4.3
	44.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.4	4.4	7.6	4.3
	46.0	4.9	3.9	5.8	4.3	6.7	4.7	7.1	4.9	7.2	4.7	7.4	4.4	7.6	4.3

8.2 Heating

TC: Total capacity **WB**: Wet-bulb temperature **DB**: Dry-bulb temperature

Indoor Unit size (kW)	Outdoor temperature (℃)		Indoor temperature (℃ DB)					
			16.00	18.00	20.00	21.00	22.00	24.00
			TC	TC	TC	TC	TC	TC
	WB	DB	kW	kW	kW	kW	kW	kW
1.5	-20	-20	8.40	8.40	8.40	8.40	8.40	8.40
	-19	-19	9.00	9.00	9.00	9.00	9.00	9.00
	-17	-17	9.45	9.45	9.45	9.45	9.45	9.45
	-15	-15	9.75	9.75	9.75	9.75	9.75	9.75
	-13	-13	10.35	10.35	10.35	10.35	10.35	10.35
	-11	-11	10.50	10.65	10.65	10.65	10.65	10.65
	-10	-10	10.95	10.95	10.95	10.95	10.95	10.95
	-9.1	-9.1	11.25	11.25	11.25	11.25	11.25	11.25
	-7.6	-7.6	11.40	11.40	11.40	11.40	11.40	11.40
	-5.6	-5.6	11.85	11.85	11.85	11.85	11.85	11.85
	-3.7	-3.7	12.45	12.45	12.45	12.45	12.45	12.45
	-0.7	-0.7	13.35	13.35	13.35	13.35	13.35	12.60
	2.2	2.2	14.10	14.10	14.10	14.10	13.80	12.60
	4.1	4.1	14.55	14.55	14.55	14.55	13.80	12.60
	6	6	15.00	15.00	15.00	14.55	13.80	12.60
	7.9	7.9	15.45	15.45	15.00	14.55	13.80	12.60
	9.8	9.8	15.90	15.90	15.00	14.55	13.80	12.60
	11.8	11.8	16.50	16.20	15.00	14.55	13.80	12.60
	13.7	13.7	16.95	16.20	15.00	14.55	13.80	12.60
2.2	-20.00	-19.80	1.46	1.46	1.46	1.46	1.46	1.46
	-19.00	-18.80	1.56	1.56	1.56	1.56	1.56	1.56
	-17.00	-16.70	1.64	1.64	1.64	1.64	1.64	1.64
	-15.00	-14.70	1.69	1.69	1.69	1.69	1.69	1.69
	-13.00	-12.60	1.79	1.79	1.79	1.79	1.79	1.79
	-11.00	-10.50	1.82	1.85	1.85	1.85	1.85	1.85
	-10.00	-9.50	1.90	1.90	1.90	1.90	1.90	1.90
	-9.10	-8.50	1.95	1.95	1.95	1.95	1.95	1.95
	-7.60	-7.00	1.98	1.98	1.98	1.98	1.98	1.98
	-5.60	-5.00	2.05	2.05	2.05	2.05	2.05	2.05
	-3.70	-3.00	2.16	2.16	2.16	2.16	2.16	2.16
	-0.70	0.00	2.31	2.31	2.31	2.31	2.31	2.18
	2.20	3.00	2.44	2.44	2.44	2.44	2.39	2.18
	4.10	5.00	2.52	2.52	2.52	2.52	2.39	2.18
	6.00	7.00	2.60	2.60	2.60	2.52	2.39	2.18
	7.90	9.00	2.68	2.68	2.60	2.52	2.39	2.18
	9.80	11.00	2.76	2.76	2.60	2.52	2.39	2.18
	11.80	13.00	2.86	2.81	2.60	2.52	2.39	2.18
	13.70	15.00	2.94	2.81	2.60	2.52	2.39	2.18
2.8	-20.00	-19.80	1.79	1.79	1.79	1.79	1.79	1.79
	-19.00	-18.80	1.92	1.92	1.92	1.92	1.92	1.92
	-17.00	-16.70	2.02	2.02	2.02	2.02	2.02	2.02
	-15.00	-14.70	2.02	2.02	2.02	2.02	2.02	2.02
	-13.00	-12.60	2.14	2.14	2.14	2.14	2.14	2.14
	-11.00	-10.50	2.24	2.24	2.24	2.24	2.24	2.24
	-10.00	-9.50	2.34	2.34	2.34	2.34	2.34	2.34
	-9.10	-8.50	2.40	2.40	2.40	2.40	2.40	2.40
	-7.60	-7.00	2.43	2.43	2.43	2.43	2.43	2.43
	-5.60	-5.00	2.53	2.53	2.53	2.53	2.53	2.53

	-3.70	-3.00	2.66	2.66	2.66	2.66	2.66	2.66
	-0.70	0.00	2.85	2.85	2.85	2.85	2.85	2.69
	2.20	3.00	3.01	3.01	3.01	3.01	2.94	2.69
	4.10	5.00	3.10	3.10	3.10	3.10	2.94	2.69
	6.00	7.00	3.20	3.20	3.20	3.10	2.94	2.69
	7.90	9.00	3.30	3.30	3.20	3.10	2.94	2.69
	9.80	11.00	3.39	3.39	3.20	3.10	2.94	2.69
	11.80	13.00	3.52	3.46	3.20	3.10	2.94	2.69
	13.70	15.00	3.62	3.46	3.20	3.10	2.94	2.69
3.6	-20.00	-19.80	2.24	2.24	2.24	2.24	2.24	2.24
	-19.00	-18.80	2.40	2.40	2.40	2.40	2.40	2.4
	-17.00	-16.70	2.52	2.52	2.52	2.52	2.52	2.52
	-15.00	-14.70	2.60	2.60	2.60	2.60	2.60	2.60
	-13.00	-12.60	2.68	2.68	2.68	2.68	2.68	2.68
	-11.00	-10.50	2.80	2.80	2.80	2.80	2.80	2.80
	-10.00	-9.50	2.92	2.92	2.92	2.92	2.92	2.92
	-9.10	-8.50	3.00	3.00	3.00	3.00	3.00	3.00
	-7.60	-7.00	3.04	3.04	3.04	3.04	3.04	3.04
	-5.60	-5.00	3.16	3.16	3.16	3.16	3.16	3.16
	-3.70	-3.00	3.32	3.32	3.32	3.32	3.32	3.32
	-0.70	0.00	3.56	3.56	3.56	3.56	3.56	3.36
	2.20	3.00	3.76	3.76	3.76	3.76	3.68	3.36
	4.10	5.00	3.88	3.88	3.88	3.88	3.68	3.36
	6.00	7.00	4.00	4.00	4.00	3.88	3.68	3.36
	7.90	9.00	4.12	4.12	4.00	3.88	3.68	3.36
	9.80	11.00	4.24	4.24	4.00	3.88	3.68	3.36
	11.80	13.00	4.4	4.32	4.00	3.88	3.68	3.36
	13.70	15.00	4.52	4.32	4.00	3.88	3.68	3.36
4.5	-20.00	-19.80	2.52	2.52	2.52	2.52	2.52	2.52
	-19.00	-18.80	2.70	2.70	2.70	2.70	2.70	2.70
	-17.00	-16.70	2.84	2.84	2.84	2.84	2.84	2.84
	-15.00	-14.70	2.93	2.93	2.93	2.93	2.93	2.93
	-13.00	-12.60	3.11	3.11	3.11	3.11	3.11	3.11
	-11.00	-10.50	3.15	3.20	3.20	3.20	3.20	3.20
	-10.00	-9.50	3.29	3.29	3.29	3.29	3.29	3.29
	-9.10	-8.50	3.38	3.38	3.38	3.38	3.38	3.38
	-7.60	-7.00	3.42	3.42	3.42	3.42	3.42	3.42
	-5.60	-5.00	3.56	3.56	3.56	3.56	3.56	3.56
	-3.70	-3.00	3.74	3.74	3.74	3.74	3.74	3.74
	-0.70	0.00	4.01	4.01	4.01	4.01	4.01	3.78
	2.20	3.00	4.23	4.23	4.23	4.23	4.14	3.78
	4.10	5.00	4.37	4.37	4.37	4.37	4.14	3.78
	6.00	7.00	4.50	4.50	4.50	4.37	4.14	3.78
	7.90	9.00	4.64	4.64	4.50	4.37	4.14	3.78
	9.80	11.00	4.77	4.77	4.50	4.37	4.14	3.78
	11.80	13.00	4.95	4.86	4.50	4.37	4.14	3.78
	13.70	15.00	5.09	4.86	4.50	4.37	4.14	3.78
5.6	-20.00	-19.80	3.14	3.14	3.14	3.14	3.14	3.14
	-19.00	-18.80	3.36	3.36	3.36	3.36	3.36	3.36
	-17.00	-16.70	3.53	3.53	3.53	3.53	3.53	3.53
	-15.00	-14.70	3.64	3.64	3.64	3.64	3.64	3.64
	-13.00	-12.60	3.86	3.86	3.86	3.86	3.86	3.86
	-11.00	-10.50	3.92	3.98	3.98	3.98	3.98	3.98
	-10.00	-9.50	4.09	4.09	4.09	4.09	4.09	4.09
	-9.10	-8.50	4.20	4.20	4.20	4.20	4.20	4.20
	-7.60	-7.00	4.26	4.26	4.26	4.26	4.26	4.26
	-5.60	-5.00	4.42	4.42	4.42	4.42	4.42	4.42
	-3.70	-3.00	4.65	4.65	4.65	4.65	4.65	4.65
	-0.70	0.00	4.98	4.98	4.98	4.98	4.98	4.70
	2.20	3.00	5.26	5.26	5.26	5.26	5.15	4.70
	4.10	5.00	5.43	5.43	5.43	5.43	5.15	4.70
	6.00	7.00	5.60	5.60	5.60	5.43	5.15	4.70
	7.90	9.00	5.77	5.77	5.60	5.43	5.15	4.70
	9.80	11.00	5.94	5.94	5.60	5.43	5.15	4.70

	11.80	13.00	6.16	6.05	5.60	5.43	5.15	4.70
	13.70	15.00	6.33	6.05	5.60	5.43	5.15	4.70
7.1	-20.00	-19.80	4.48	4.48	4.48	4.48	4.48	4.48
	-19.00	-18.80	4.80	4.80	4.80	4.80	4.80	4.80
	-17.00	-16.70	5.04	5.04	5.04	5.04	5.04	5.04
	-15.00	-14.70	5.20	5.20	5.20	5.20	5.20	5.20
	-13.00	-12.60	5.36	5.36	5.36	5.36	5.36	5.36
	-11.00	-10.50	5.60	5.60	5.60	5.60	5.60	5.60
	-10.00	-9.50	5.84	5.84	5.84	5.84	5.84	5.84
	-9.10	-8.50	6.00	6.00	6.00	6.00	6.00	6.00
	-7.60	-7.00	6.08	6.08	6.08	6.08	6.08	6.08
	-5.60	-5.00	6.32	6.32	6.32	6.32	6.32	6.32
	-3.70	-3.00	6.64	6.64	6.64	6.64	6.64	6.64
	-0.70	0.00	7.12	7.12	7.12	7.12	7.12	6.72
	2.20	3.00	7.52	7.52	7.52	7.52	7.36	6.72
	4.10	5.00	7.76	7.76	7.76	7.76	7.36	6.72
	6.00	7.00	8.00	8.00	8.00	7.76	7.36	6.72
	7.90	9.00	8.24	8.24	8.00	7.76	7.36	6.72
	9.80	11.00	8.48	8.48	8.00	7.76	7.36	6.72
	11.80	13.00	8.8	8.64	8.00	7.76	7.36	6.72
	13.70	15.00	9.04	8.64	8.00	7.76	7.36	6.72

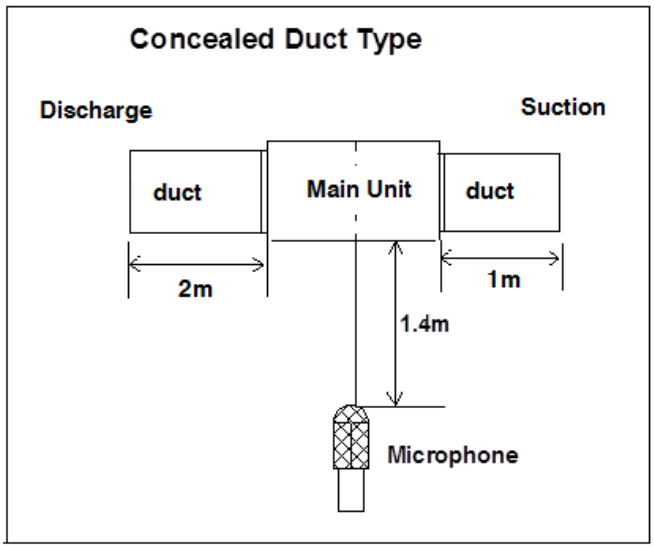
9. Electrical Characteristics

Model	Indoor Unit				Power Supply		IFM	
	Hz	Voltage	Min.	Max.	MCA	MFA	KW	FLA
MDV-D15T2/N1-DA5	50	220-240	198	242	0.17	15	0.015	0.136
MDV-D22T2/N1-DA5	50	220-240	198	242	0.375	15	0.065	0.3
MDV-D28T2/N1-DA5	50	220-240	198	242	0.375	15	0.065	0.3
MDV-D36T2/N1-DA5	50	220-240	198	242	0.387	15	0.068	0.31
MDV-D45T2/N1-DA5	50	220-240	198	254	0.45	15	0.048	0.36
MDV-D56T2/N1-DA5	50	220-240	198	254	0.45	15	0.048	0.36
MDV-D71T2/N1-DA5	50	220-240	198	254	0.6	15	0.061	0.5
MDV-D71T2/N1-CA5	50	220-240	198	242	0.663	15	0.12	0.53

Remark:
MCA: Min. Current Amps. (A)
MFA: Max. Fuse Amps. (A)
KW: Fan Motor Rated Output (kW)
FLA: Full Load Amps. (A)
IFM:Indoor Fan Motor

10. Sound Levels

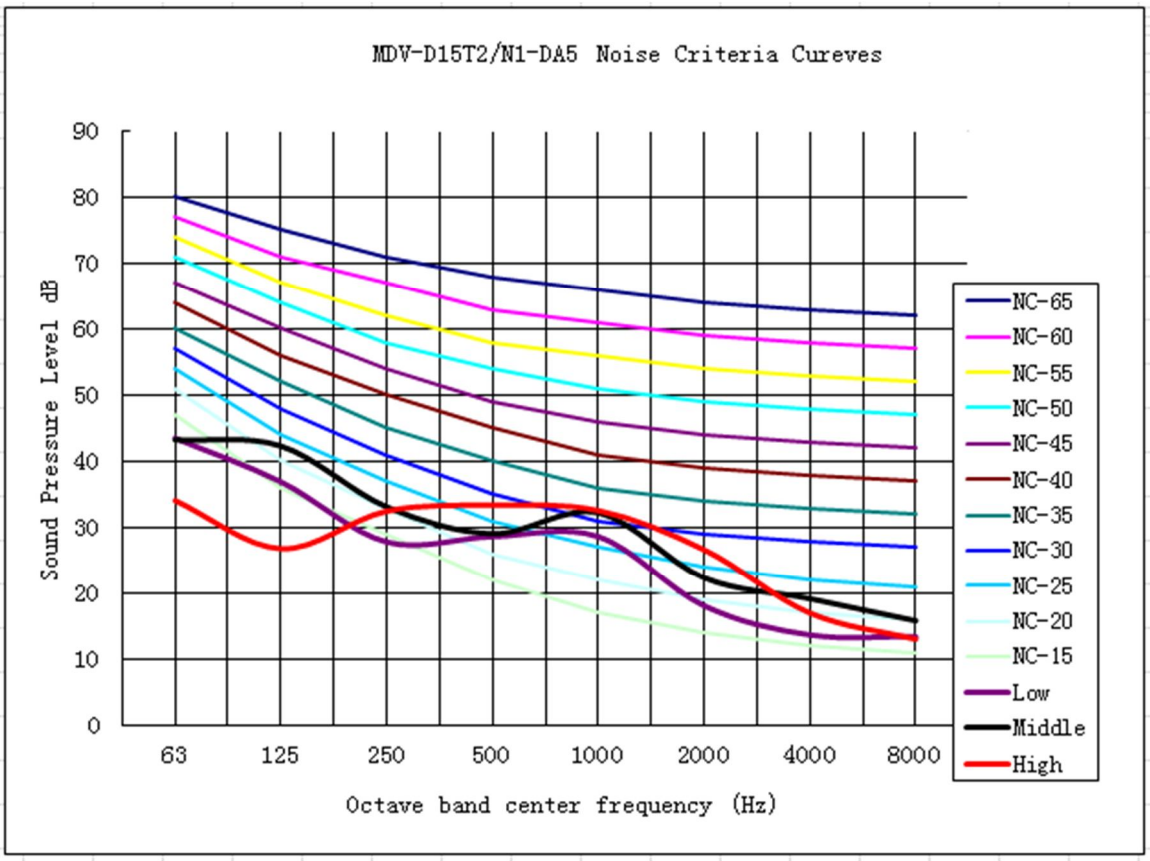
10.1 Test condition



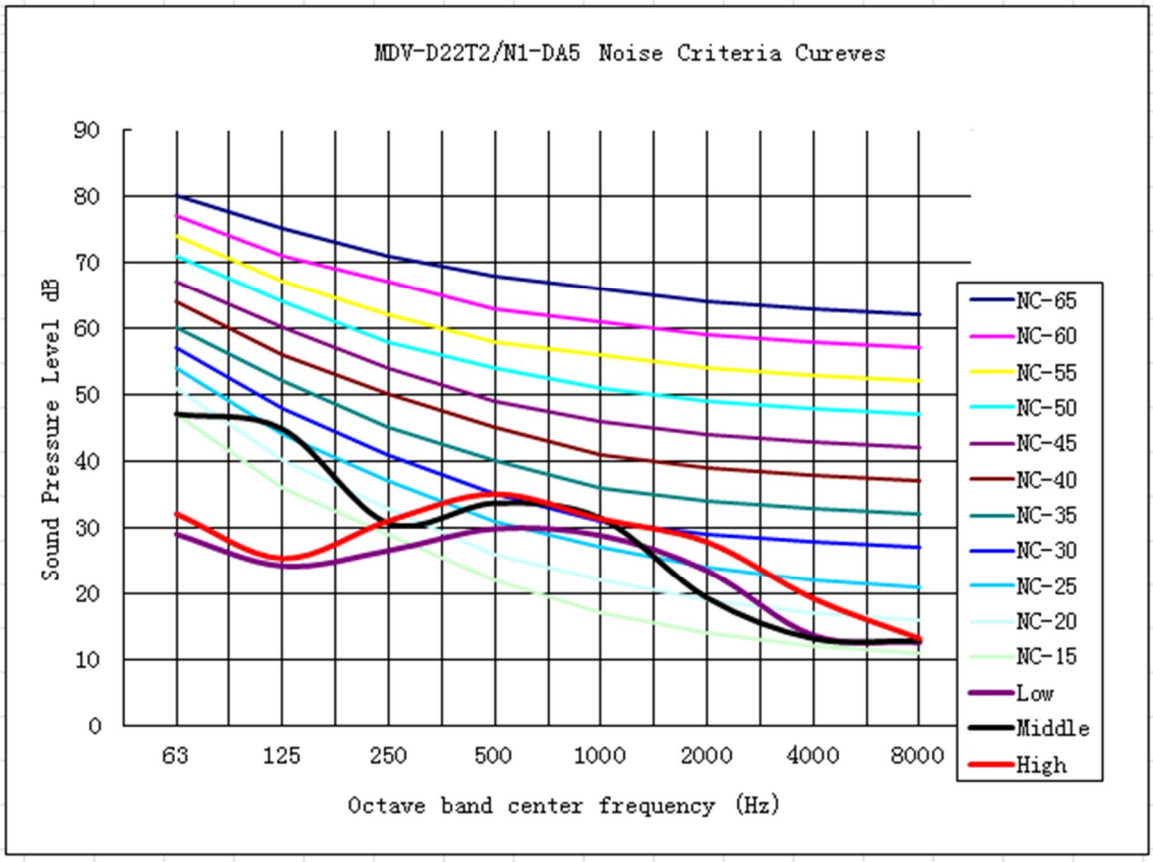
10.2 Test value

Model	Sound test value dB(A)		
	H	M	L
MDV-D15T2/N1-DA5	35.8	34.6	31.4
MDV-D22T2/N1-DA5	36	35	32
MDV-D28T2/N1-DA5	37	35	32
MDV-D36T2/N1-DA5	38.6	37.5	33.8
MDV-D45T2/N1-DA5	39	37.9	34
MDV-D56T2/N1-DA5	39	37.9	34
MDV-D71T2/N1-DA5	41.4	39	35
MDV-D71T2/N1-CA5	42	40	35

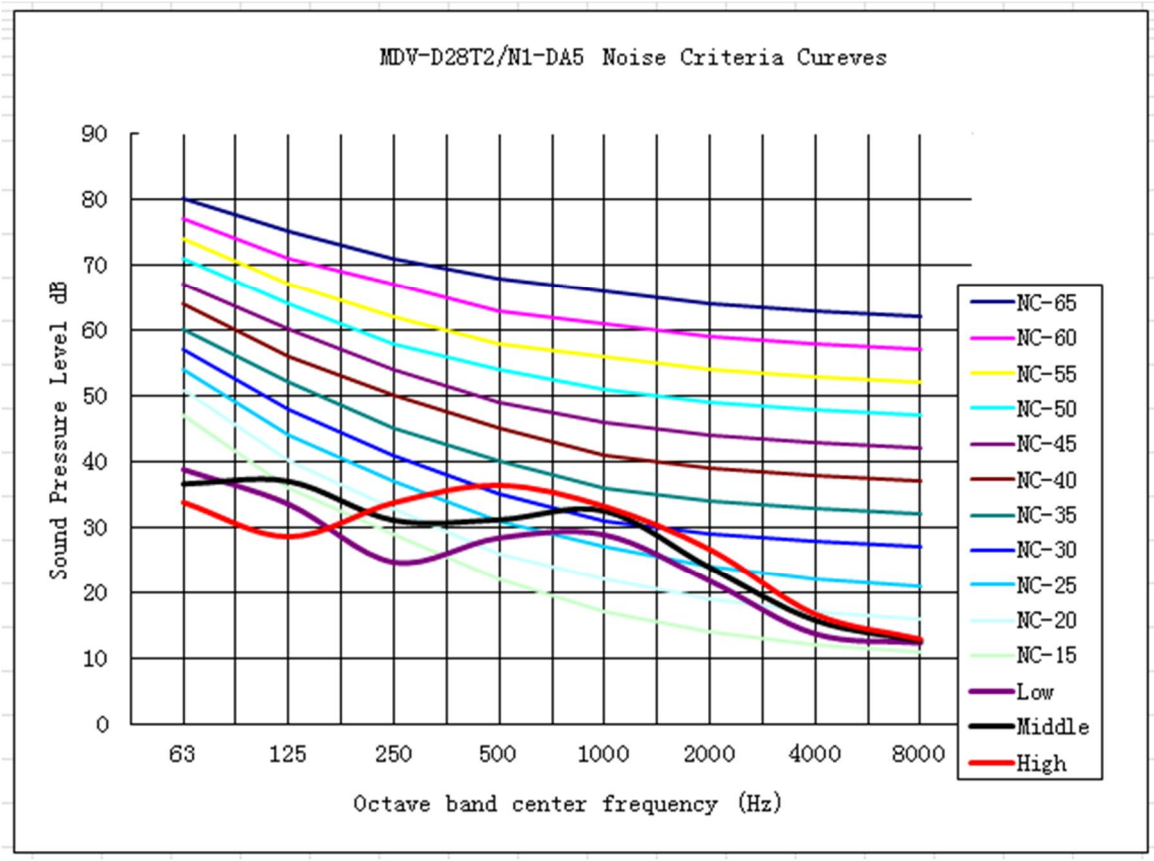
MDV-D15T2/N1-DA5



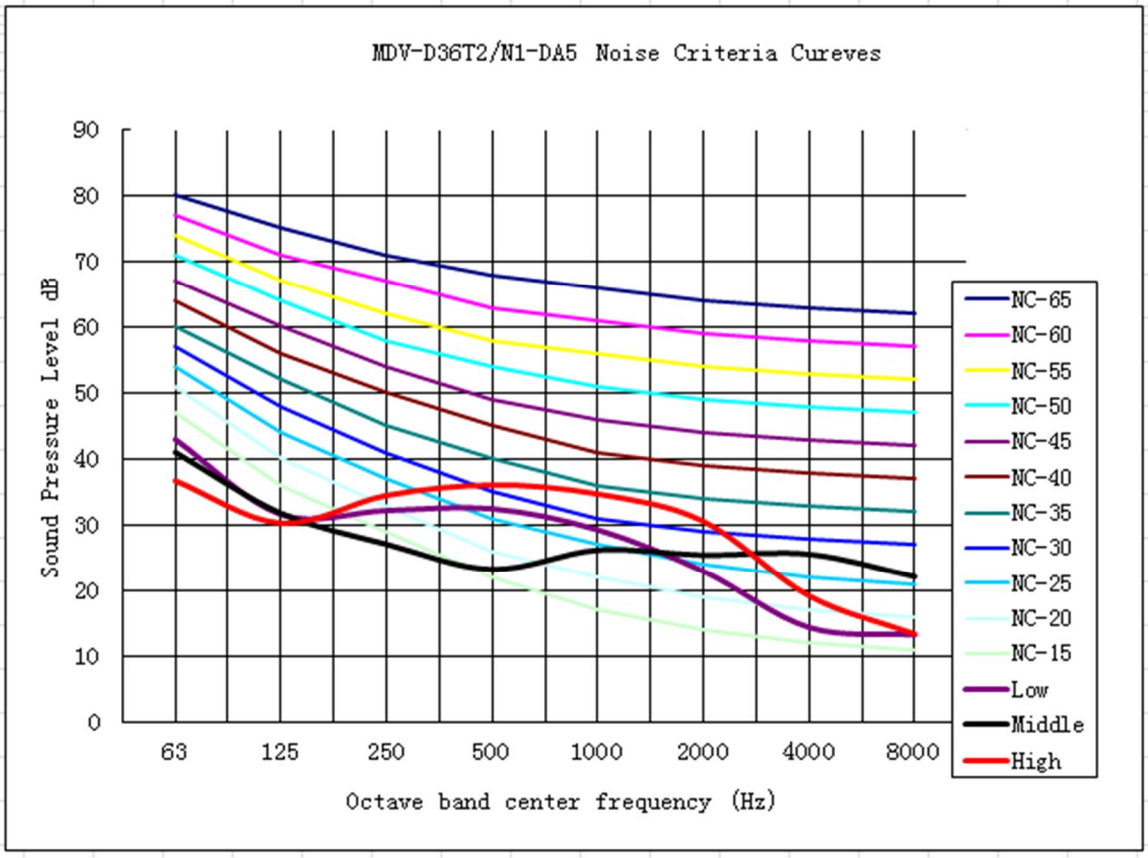
MDV-D22T2/N1-DA5



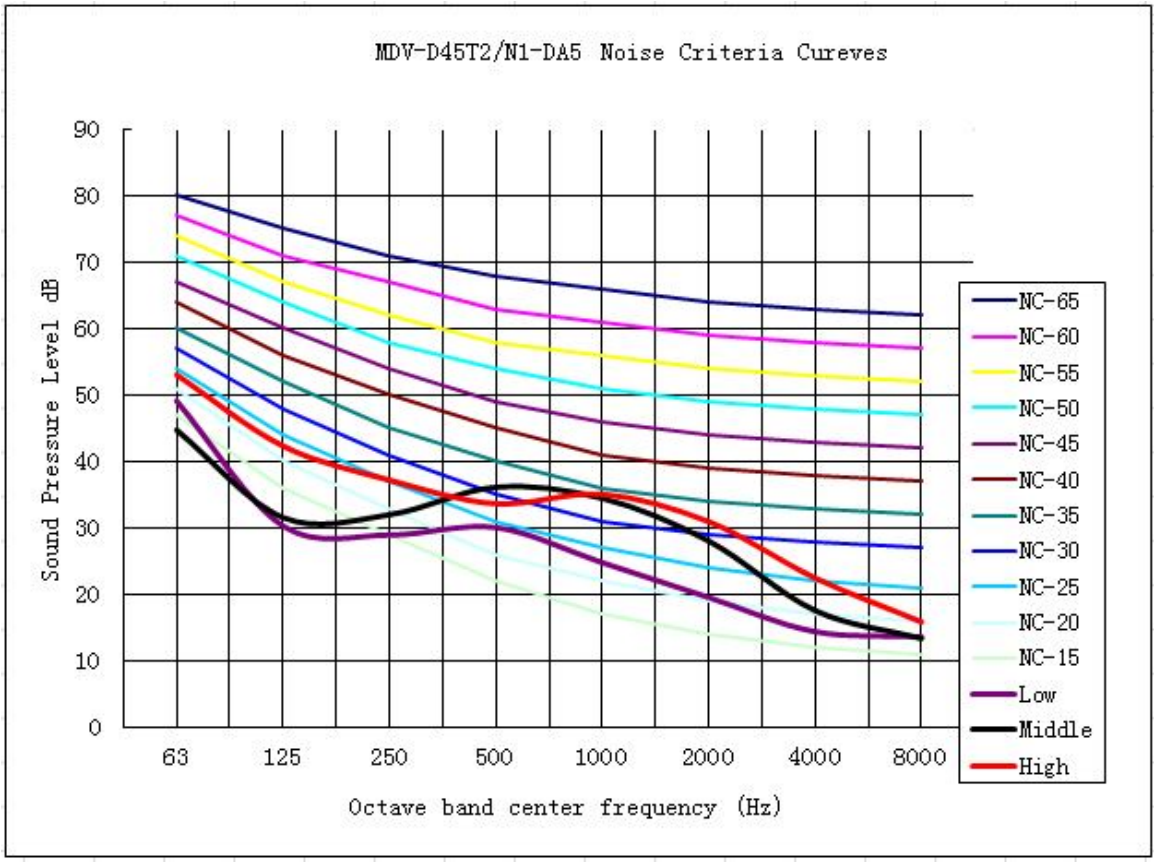
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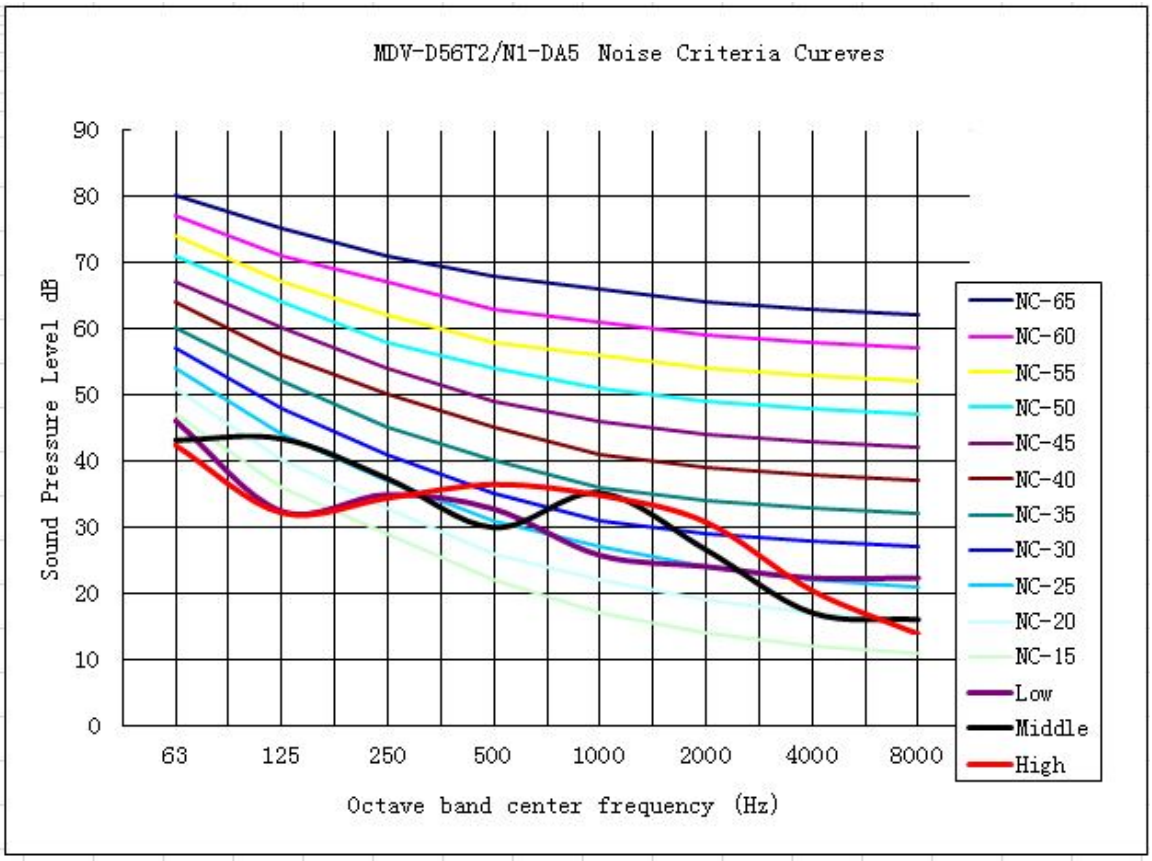
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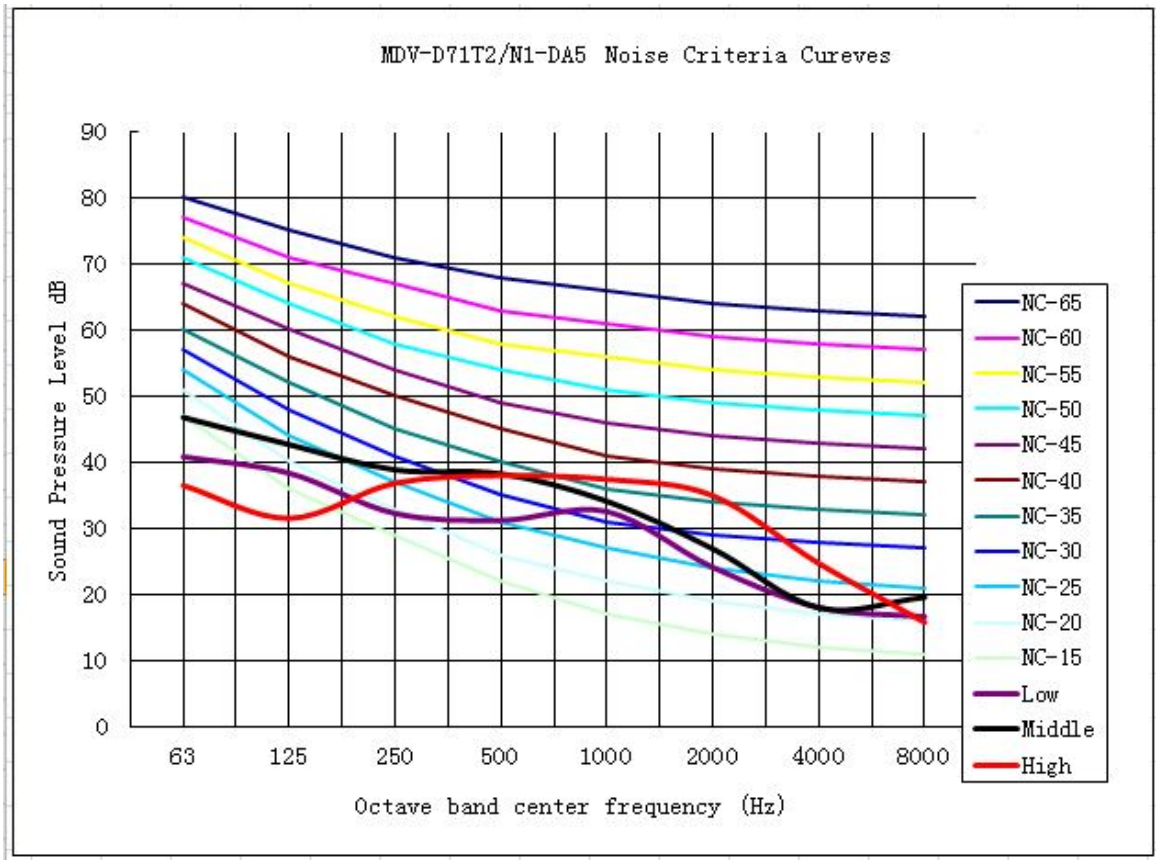
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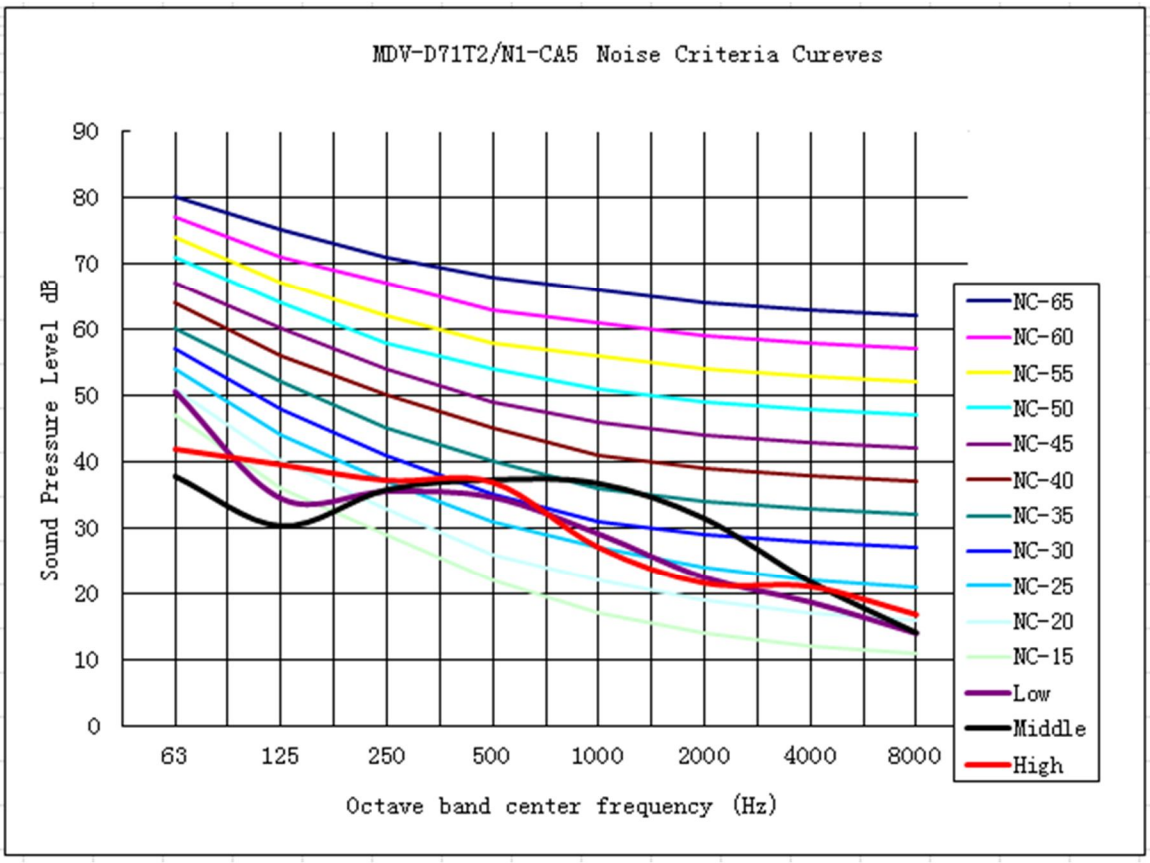
MDV-D56T2/N1-DA5



MDV-D71T2/N1-DA5



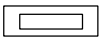
MDV-D71T2/N1-CA5



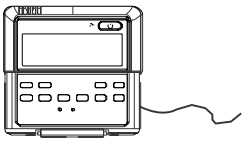
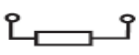
11. Accessories

11.1 Standard accessories

For models: MDV-D22T2/N1-DA5, MDV-D28T2/N1-DA5, MDV-D36T2/N1-DA5, MDV-D45T2/N1-DA5，
MDV-D56T2/N1-DA5，MDV-D71T2/N1-DA5

Name	Quantity	Shape	Usage
Installation manual	1	This manual	/
Wire controller	1		Wire control the air-conditioner
Pipe insulation material	2		Heat insulation
Adhesive tape for seal	1		To connect drain pipe
Water outlet joint	1		For drainage
Clasp	1		Chucking the joint which connect the drain hose and the outlet of indoor unit
Copper nut	1		Use for pipe connection of engineering installation
Display box	1		Operation and fault display

For model: MDV-D71T2/N1-CA5

Name	Quantity	Shape	Usage
Installation manual	1	/	/
Wired controller	1		/
Pipe insulation material	2		Heat insulation
Adhesive tape for seal	1		To connect drain pipe
Water outlet joint	1		For drainage
Clasp	1		Chucking the joint which connect the drain hose and the outlet of indoor unit
Network matching wire	1		The indoor unit which at the terminal of communication system should connect a impedance between port P and port Q
Copper nut	1		Use for pipe connection of engineering installation