

# High Static Pressure Duct Fan Coil Unit

<b>1. Introduction .....</b>	<b>2</b>
<b>2. Nomenclature .....</b>	<b>2</b>
<b>3. Product Schedule .....</b>	<b>3</b>
<b>4. External Appearance .....</b>	<b>3</b>
<b>5. Features .....</b>	<b>4</b>
<b>6. Specifications .....</b>	<b>5</b>
<b>7. Dimension.....</b>	<b>8</b>
<b>8. Wiring Diagrams .....</b>	<b>9</b>
<b>9. Capacity Tables .....</b>	<b>10</b>
<b>10. Static Pressure Graph and sound Levels .....</b>	<b>24</b>
<b>11. Exploded View .....</b>	<b>31</b>
<b>12. Installation .....</b>	<b>33</b>

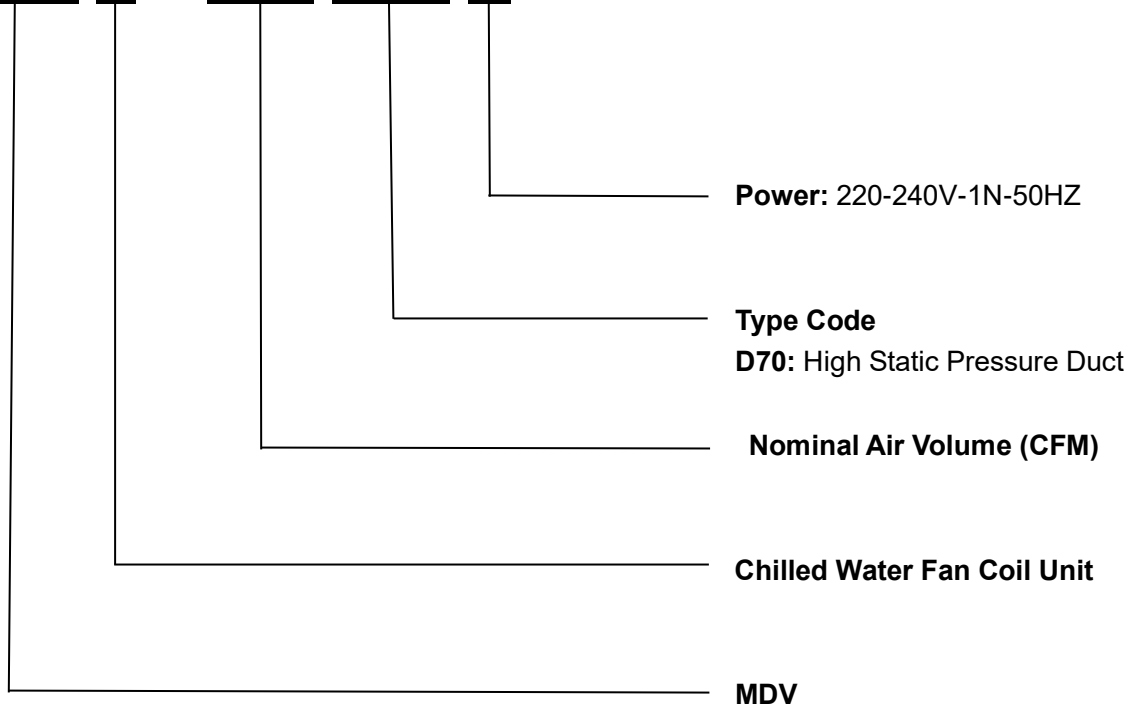
## 1. Introduction

Fan coil unit is a kind of compound device which assemble fan and surface-type coil heating-exchanger together. Fan coil with fresh air supply system is a main type of center air-conditioner system, so it is an important component of AC devices. Fan coil has horizontal type, vertical type, etc. A cooling (heating) supply system usually consists of fan coil terminals and chilled water system (heated water system).

**MDV** commercial AC fan coil is designed and manufactured on the base of advanced technology, and utilize qualified galvanized iron as material. Due to its supper-thin design, it has such advantages: beautiful outlook, space saving, easy installation, etc. And the most obvious advantage is that it can decrease the outlet air Temp-difference as low as possible to make room more comfortable, as well as don't decrease cooling capacity output. For the large air flow volume design, it can increase room ventilation frequency, supply more flesh air, and balance room temperature distribution. Benefiting from adoption of advanced material and technology, it can effectively decrease the running noise and keep running smoothly. With the advantages above, it can be widely applied in market, hospital, office building, hotel airport, etc..

## 2. Nomenclature


**MDV F – 800 D70 E**



### 3. Product Schedule

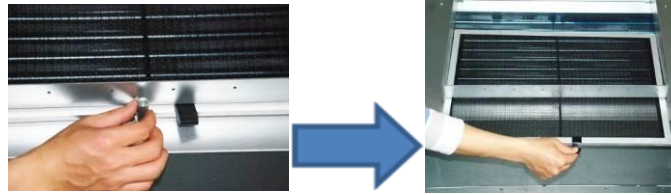
Model	Static pressure (Pa)	Air volume (CFM)	Power supply
MDVF-800D70E	70	800	220~240V-1Ph-50Hz
MDVF-1000D70E		1000	
MDVF-1200D70E		1200	
MDVF-1400D70E		1400	
MDVF-1600D100E	100	1600	
MDVF-1800D100E		1800	
MDVF-2200D100E		2200	

### 4. External Appearance

<p>MDVF-800D70E MDVF-1000D70E MDVF-1200D70E MDVF-1400D70E</p>	<p>MDVF-1600D100E MDVF-1800D100E MDVF-2200D100E</p>
	

## 5. Features

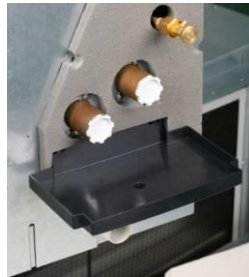
- High air volume, high static pressure, high capacity
- High-pressure centrifugal fans
- Easy to clean and change the air filter



- Auxiliary electrical heater is optional



- Flexible control, no standard controller, remote controller and wired controller are optional
- Standard extended drainage pan for protecting your ceiling better



- Four-speed motor with super-high speed reserved
- Pipe connection from left or right can be selected (in factory)

## 6. Specifications

Model MDVF-			800D70E	1000D70E	1200D70E
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m <sup>3</sup> /h	1464/1453/1408	1507/1491/1397	1601/1557/1500
		CFM	861/855/828	887/877/822	942/916/882
Standard external static pressure		Pa	70	70	70
Cooling	Capacity (H/M/L)	kW	5.4/5.27/5.08	7.75/7.56/6.98	8.03/7.8/7.49
	Water flow rate(H/M/L)	m <sup>3</sup> /h	0.97/0.95/0.91	1.39/1.36/1.26	1.45/1.4/1.35
	Water pressure drop(H/M/L)	kPa	14.5/11.7/13.2	35.1/34/30.8	35.3/33.5/31.4
Heating	Capacity (H/M/L)	kW	8.09/7.82/7.42	9.62/9.28/8.85	10.33/10.02/9.17
	Water flow rate(H/M/L)	m <sup>3</sup> /h	1.47/1.42/1.35	1.75/1.69/1.61	1.88/1.82/1.67
	Water pressure drop(H/M/L)	kPa	25.5/24.2/22.8	42.8/40.8/36.5	55.5/52.8/48.1
Power input (H/M/L)		W	391/375/348	382/363/343	386/372/355
Current Input (H)		A	1.6	1.6	1.6
Sound pressure level	H/M/L	dB(A)	49/42/35	50/43/36	51/44/37
Fan motor	Type		Low noise 4-speed fan motor		
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	3	3
	Max. Working pressure	MPa	1.6	1.6	1.6
	Diameter		mm	Φ9.52	Φ9.52
Body	Dimensions (*E)	WxHxD	mm	946x400x816 / 946x400x876	946x400x816 / 946x400x876
	Net weight		kg	50	52
	Packing (*E)	WxHxD	mm	1075x480x857 / 1075x480x925	1075x480x857 / 1075x480x925
	Gross weight		kg	55	57
Pipe connection	Water inlet/outlet pipe		inch	RC3/4"	RC3/4"
	Drain pipe		inch	ZG5/4"	ZG5/4"

### Note:

1. H: high speed; M: medium speed; L: low speed
2. The data is the performance in 70Pa external static pressure.
3. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB, 19°C WB.  
Heating Conditions: Entering Water 45°C, Leaving Water 40°C, Entering air temperature 20°C.
4. Noise is tested in semi-anechoic test room.

## Specifications

Model MDVF-			1400D70E	1600D100E	1800D100E	2200D100E			
Power supply		V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)		m <sup>3</sup> /h	1659/1590/1501	2272/2126/1911	3177/2983/2327	3411/3034/2588			
		CFM	976/935/883	1336/1251/1124	1869/1755/1369	2007/1785/1522			
Standard external static pressure		Pa	70	100	100	100			
Cooling	Capacity (H/M/L)	kW	10.41/10.11/9.69	12.99/12.02/11.04	15.25/13.42/12.38	16.71/15.15/13.58			
	Water flow rate(H/M/L)	m <sup>3</sup> /h	1.87/1.82/1.74	2.34/2.16/1.99	2.74/2.42/2.23	3.01/2.73/2.44			
	Water pressure drop(H/M/L)	kPa	52.1/48.1/44.3	86/73.4/60.7	129/113/100.1	147.9/124.2/98.6			
Heating	Capacity (H/M/L)	kW	11.15/10.46/9.65	14.07/12.91/11.78	18.23/16.84/14.76	19.94/17.26/15.25			
	Water flow rate(H/M/L)	m <sup>3</sup> /h	2.03/1.9/1.75	2.56/2.35/2.14	3.31/3.06/2.68	3.62/3.14/2.77			
	Water pressure drop(H/M/L)	kPa	47.3/45.5/41.9	87.8/75.1/63	168/147/127.2	163.7/130.9/102			
Power input (H/M/L)		W	380/364/347	546/475/415	782/683/606	887/755/628			
Current Input (H)		A	1.6	2.5	3.7	4.4			
Sound pressure level	H/M/L	dB(A)	52/45/38	54/47/40	60/53/46	61/54/47			
Fan motor	Type		Low noise 4-speed fan motor						
	Quantity		1	1	1	1			
Fan	Type		Centrifugal, forward-curved Blades						
	Quantity		1	2	2	2			
Coil	Row		4	3	3	3			
	Max. Working pressure	MPa	1.6	1.6	1.6	1.6			
	Diameter		mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52		
Body	Dimensions (*E)	WxHxD	mm	946x400x816 / 946x400x876			1290x400x809 / 1290x400x874		
	Net weight		kg	54	76	76	76		
	Packing (*E)	WxHxD	mm	1075x480x857 / 1075x480x925			1448x460x877 / 1448x460x950		
	Gross weight		kg	59	83	83	83		
Pipe connection	Water inlet/outlet pipe		inch	RC3/4"	RC3/4"	RC3/4"	RC3/4"		
	Drain pipe		inch	ZG5/4"	ZG5/4"	ZG5/4"	ZG5/4"		

**Note:**

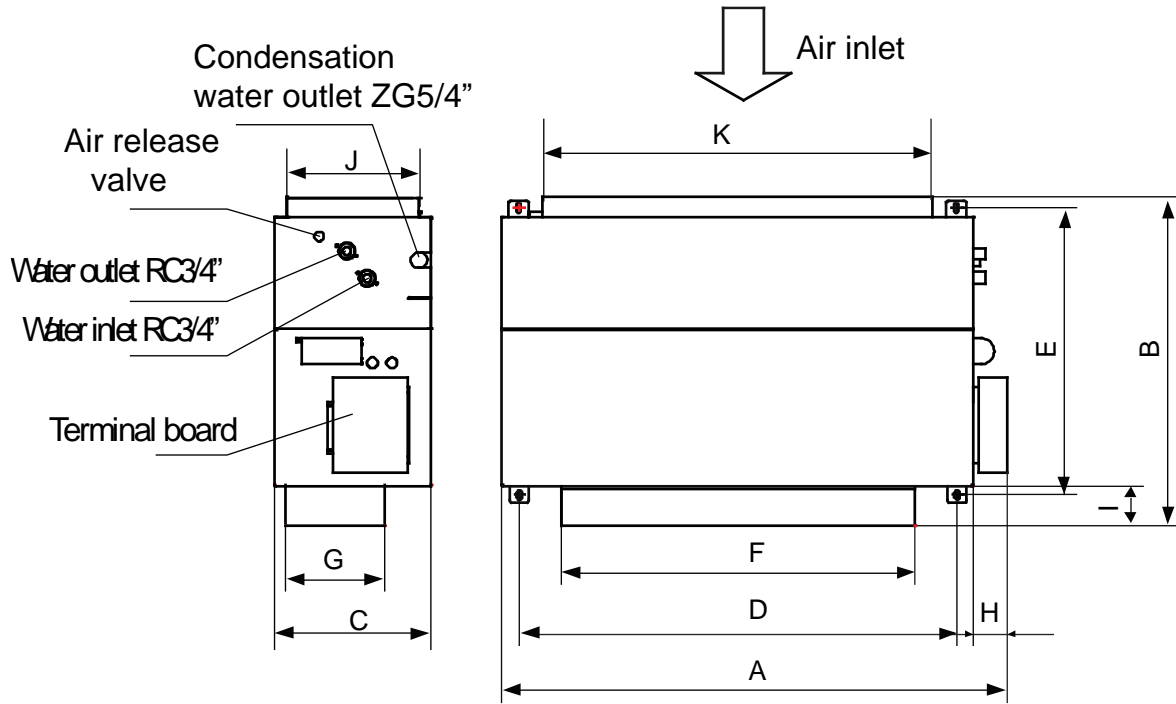
- H: high speed; M: medium speed; L: low speed.
- Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB, 19°C WB.  
Heating Conditions: Entering Water 45°C, Leaving Water 40°C, Entering air temperature 20°C.
- Noise is tested in semi-anechoic test room.

**ESP test condition:**

Unit: Pa

Model	ESP (High)	ESP (Med)	ESP (Low)
MDVF-800D70E	54	50	42
MDVF-1000D70E	57	50	45
MDVF-1200D70E	63	50	40
MDVF-1400D70E	60	50	37
MDVF-1600D100E	65	50	43
MDVF-1800D100E	61	50	43
MDVF-2200D100E	66	50	37

7. Dimension

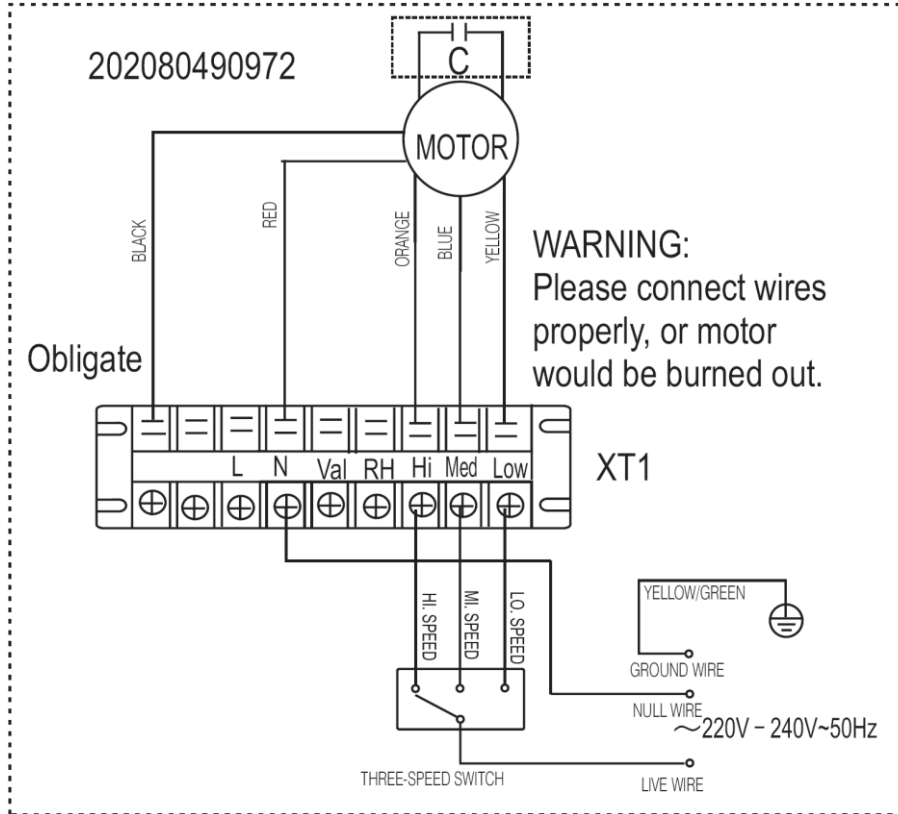


Size \ Model	MDVF-800D70E MDVF-1000D70E MDVF-1200D70E MDVF-1400D70E	MDVF-1600D100E MDVF-1800D100E MDVF-2200D100E
A	946	1290
B	816	809
C	400	400
D	778	1118
E	767	765
F	306	900
G	219	249
H	88	88
I	37	39
J	338	320
K	512	995



### 8. Wiring Diagrams

For all models without auxiliary electrical heater:



### 9. Capacity Tables

#### Cooling Capacity:

**Remark:** **EWT:** Enter Water Temp. (°C); **Δt:** Temperature Difference (°C) **DB:** Dry Bulb Temp. (°C);  
**WB:** Wet Bulb Temp. (°C); **TC:** Total Cooling Capacity (kW); **SC:** Sensible Cooling Capacity (kW);  
**WF:** Water Flow (m³/h); **WPD:** Water Pressure Drop (kPa)

MDVF-800D70E																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	
5.5	7	15	2.56	2.56	0.32	0.31	3.27	3.27	0.40	0.40	3.97	3.97	0.49	0.50	4.64	4.64	0.57	0.70	5.30	5.30	0.65	1.00	
		17	2.66	2.56	0.33	0.33	3.27	3.27	0.40	0.40	3.98	3.98	0.49	0.50	4.65	4.65	0.57	0.70	5.30	5.30	0.65	1.00	
		19	-	-	-	-	4.54	3.15	0.56	0.66	4.49	3.92	0.55	0.64	4.64	4.60	0.57	0.70	5.31	5.31	0.65	1.01	
		20	-	-	-	-	5.44	3.01	0.67	1.07	5.41	3.79	0.66	1.05	5.37	4.55	0.66	1.03	5.38	5.32	0.66	1.04	
	8	15	2.17	2.17	0.23	0.23	2.86	2.86	0.31	0.30	3.55	3.55	0.38	0.37	4.25	4.25	0.46	0.45	4.93	4.93	0.53	0.59	
		17	2.17	2.17	0.23	0.23	2.86	2.86	0.31	0.30	3.56	3.56	0.38	0.37	4.26	4.26	0.46	0.45	4.94	4.94	0.53	0.59	
		19	-	-	-	-	3.55	2.80	0.38	0.37	3.57	3.56	0.38	0.37	4.27	4.27	0.46	0.46	4.95	4.95	0.53	0.60	
		20	-	-	-	-	4.59	2.71	0.49	0.51	4.55	3.48	0.49	0.50	4.49	4.25	0.48	0.49	4.95	4.95	0.53	0.60	
	9	15	1.79	1.79	0.17	0.16	2.46	2.46	0.23	0.22	3.14	3.14	0.30	0.29	3.84	3.84	0.37	0.35	4.53	4.53	0.43	0.42	
		17	1.79	1.79	0.17	0.16	2.46	2.46	0.24	0.23	3.15	3.15	0.30	0.29	3.84	3.84	0.37	0.35	4.54	4.54	0.43	0.42	
		19	-	-	-	-	2.57	2.45	0.25	0.24	3.16	3.16	0.30	0.29	3.85	3.85	0.37	0.35	4.54	4.54	0.43	0.42	
		20	-	-	-	-	3.54	2.34	0.34	0.32	3.48	3.12	0.33	0.32	3.84	3.83	0.37	0.35	4.55	4.55	0.43	0.42	
7	7	15	2.06	2.06	0.25	0.24	2.76	2.76	0.34	0.32	3.46	3.46	0.42	0.41	4.15	4.15	0.51	0.54	4.80	4.80	0.59	0.79	
		17	2.06	2.06	0.25	0.24	2.76	2.76	0.34	0.32	3.46	3.46	0.43	0.41	4.16	4.16	0.51	0.54	4.81	4.81	0.59	0.79	
		19	-	-	-	-	3.31	2.71	0.41	0.39	3.44	3.38	0.42	0.40	4.16	4.16	0.51	0.55	4.82	4.82	0.59	0.79	
		20	-	-	-	-	4.31	2.61	0.53	0.59	4.28	3.39	0.53	0.58	4.25	4.16	0.52	0.57	4.82	4.82	0.59	0.79	
	8	15	1.68	1.68	0.18	0.17	2.36	2.36	0.25	0.24	3.05	3.05	0.33	0.31	3.75	3.75	0.40	0.38	4.44	4.44	0.48	0.48	
		17	1.68	1.68	0.18	0.17	2.36	2.36	0.25	0.24	3.06	3.06	0.33	0.31	3.75	3.75	0.40	0.38	4.45	4.45	0.48	0.48	
		19	-	-	-	-	2.37	2.35	0.25	0.24	3.06	3.06	0.33	0.31	3.76	3.76	0.40	0.38	4.46	4.46	0.48	0.48	
		20	-	-	-	-	3.31	2.27	0.36	0.33	3.26	3.04	0.35	0.33	3.76	3.76	0.40	0.38	4.46	4.46	0.48	0.48	
	9	15	1.33	1.33	0.13	0.12	1.99	1.99	0.19	0.17	2.67	2.67	0.26	0.23	3.35	3.35	0.32	0.30	4.05	4.05	0.39	0.36	
		17	1.33	1.33	0.13	0.12	1.99	1.99	0.19	0.18	2.67	2.67	0.26	0.24	3.36	3.36	0.32	0.30	4.05	4.05	0.39	0.36	
		19	-	-	-	-	2.00	2.00	0.19	0.18	2.68	2.68	0.26	0.24	3.36	3.36	0.32	0.30	4.06	4.06	0.39	0.36	
		20	-	-	-	-	2.33	1.95	0.22	0.20	2.67	2.67	0.26	0.24	3.37	3.37	0.32	0.30	4.06	4.06	0.39	0.36	
9	7	15	1.42	1.42	0.17	0.16	2.10	2.10	0.26	0.23	2.79	2.79	0.34	0.31	3.50	3.50	0.43	0.40	4.17	4.17	0.51	0.57	
		17	1.42	1.42	0.17	0.16	2.10	2.10	0.26	0.23	2.80	2.80	0.34	0.31	3.50	3.50	0.43	0.40	4.18	4.18	0.51	0.57	
		19	-	-	-	-	2.10	2.10	0.26	0.23	2.80	2.80	0.35	0.31	3.51	3.51	0.43	0.40	4.18	4.18	0.52	0.57	
		20	-	-	-	-	2.63	2.05	0.32	0.29	2.77	2.69	0.34	0.31	3.51	3.51	0.43	0.40	4.19	4.19	0.52	0.57	
	8	15	1.06	1.06	0.11	0.10	1.72	1.72	0.19	0.16	2.40	2.40	0.26	0.23	3.09	3.09	0.33	0.29	3.79	3.79	0.41	0.36	
		17	1.06	1.06	0.11	0.10	1.72	1.72	0.19	0.16	2.40	2.40	0.26	0.23	3.09	3.09	0.33	0.30	3.79	3.79	0.41	0.37	
		19	-	-	-	-	1.72	1.72	0.19	0.16	2.41	2.41	0.26	0.23	3.10	3.10	0.33	0.30	3.80	3.80	0.41	0.37	
		20	-	-	-	-	1.71	1.68	0.18	0.16	2.41	2.41	0.26	0.23	3.10	3.10	0.33	0.30	3.80	3.80	0.41	0.37	
	9	15	0.72	0.72	0.07	0.06	1.35	1.35	0.13	0.11	2.01	2.01	0.19	0.17	2.69	2.69	0.26	0.22	3.38	3.38	0.32	0.28	
		17	0.72	0.72	0.07	0.06	1.35	1.35	0.13	0.11	2.02	2.02	0.19	0.17	2.70	2.70	0.26	0.22	3.38	3.38	0.32	0.28	
		19	-	-	-	-	1.35	1.35	0.13	0.11	2.02	2.02	0.19	0.17	2.70	2.70	0.26	0.22	3.39	3.39	0.32	0.28	
		20	-	-	-	-	1.36	1.36	0.13	0.11	2.02	2.02	0.19	0.17	2.70	2.70	0.26	0.22	3.39	3.39	0.32	0.28	
11	7	15	0.77	0.77	0.09	0.08	1.43	1.43	0.18	0.15	2.11	2.11	0.26	0.22	2.81	2.81	0.34	0.29	3.51	3.51	0.43	0.39	
		17	0.77	0.77	0.09	0.08	1.43	1.43	0.18	0.15	2.12	2.12	0.26	0.22	2.81	2.81	0.34	0.29	3.52	3.52	0.43	0.39	
		19	-	-	-	-	1.43	1.43	0.18	0.15	2.12	2.12	0.26	0.22	2.82	2.82	0.35	0.29	3.52	3.52	0.43	0.39	
		20	-	-	-	-	1.44	1.44	0.18	0.15	2.12	2.12	0.26	0.22	2.82	2.82	0.35	0.30	3.52	3.52	0.43	0.39	
	8	15	0.46	0.46	0.05	0.04	1.08	1.08	0.12	0.10	1.74	1.74	0.19	0.16	2.42	2.42	0.26	0.22	3.11	3.11	0.33	0.28	
		17	0.46	0.46	0.05	0.04	1.08	1.08	0.12	0.10	1.74	1.74	0.19	0.16	2.42	2.42	0.26	0.22	3.12	3.12	0.33	0.28	
		19	-	-	-	-	1.08	1.08	0.12	0.10	1.74	1.74	0.19	0.16	2.43	2.43	0.26	0.22	3.12	3.12	0.33	0.28	
		20	-	-	-	-	1.08	1.08	0.12	0.10	1.74	1.74	0.19	0.16	2.43	2.43	0.26	0.22	3.12	3.12	0.34	0.28	
	9	15	0.32	0.32	0.03	0.02	0.75	0.75	0.07	0.06	1.39	1.39	0.13	0.11	2.05	2.05	0.20	0.16	2.73	2.73	0.26	0.22	
		17	0.32	0.32	0.03	0.02	0.75	0.75	0.07	0.06	1.39	1.39	0.13	0.11	2.05	2.05	0.20	0.16	2.73	2.73	0.26	0.22	
		19	-	-	-	-	0.75	0.75	0.07	0.06	1.39	1.39	0.13	0.11	2.06	2.06	0.20	0.16	2.74	2.74	0.26	0.22	
		20	-	-	-	-	0.75	0.75	0.07	0.06	1.39	1.39	0.13	0.11	2.06	2.06	0.20	0.16	2.74	2.74	0.26	0.22	

Cooling capacity

MDVF-1000D70E																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	
5.5	7	15	3.49	3.49	0.43	0.63	4.33	4.33	0.53	0.89	5.13	5.13	0.63	1.38	5.95	5.95	0.73	2.06	6.80	6.80	0.84	2.85	
		17	4.33	3.45	0.53	0.89	4.34	4.31	0.53	0.89	5.14	5.14	0.63	1.39	5.97	5.97	0.73	2.07	6.82	6.82	0.84	2.86	
		19	-	-	-	-	6.75	4.22	0.83	2.79	6.68	5.10	0.82	2.73	6.60	5.97	0.81	2.66	6.81	6.76	0.84	2.85	
		20	-	-	-	-	8.31	4.26	1.02	4.12	8.24	5.14	1.01	4.06	8.17	6.01	1.00	4.00	8.09	6.87	0.99	3.94	
	8	15	3.04	3.04	0.33	0.47	3.88	3.88	0.42	0.60	4.72	4.72	0.51	0.81	5.51	5.51	0.59	1.17	6.31	6.31	0.68	1.70	
		17	3.25	3.03	0.35	0.51	3.89	3.89	0.42	0.61	4.72	4.72	0.51	0.80	5.52	5.52	0.59	1.18	6.32	6.32	0.68	1.71	
		19	-	-	-	-	5.56	3.77	0.60	1.20	5.50	4.66	0.59	1.17	5.53	5.50	0.59	1.19	6.33	6.33	0.68	1.72	
		20	-	-	-	-	6.83	3.70	0.73	2.09	6.77	4.58	0.73	2.04	6.71	5.46	0.72	1.99	6.64	6.33	0.71	1.94	
	9	15	2.59	2.59	0.25	0.35	3.43	3.43	0.33	0.46	4.27	4.27	0.41	0.58	5.10	5.10	0.49	0.74	5.89	5.89	0.56	1.04	
		17	2.60	2.59	0.25	0.35	3.44	3.44	0.33	0.47	4.28	4.28	0.41	0.58	5.11	5.11	0.49	0.75	5.90	5.90	0.56	1.05	
		19	-	-	-	-	4.51	3.39	0.43	0.62	4.47	4.28	0.43	0.61	5.12	5.12	0.49	0.75	5.92	5.92	0.56	1.05	
		20	-	-	-	-	5.76	3.31	0.55	0.98	5.70	4.20	0.54	0.96	5.64	5.08	0.54	0.93	5.89	5.84	0.56	1.04	
7	7	15	2.85	2.85	0.35	0.49	3.70	3.70	0.45	0.66	4.53	4.53	0.55	1.01	5.32	5.32	0.65	1.57	6.16	6.16	0.76	2.29	
		17	2.84	2.79	0.35	0.49	3.71	3.71	0.46	0.66	4.53	4.53	0.56	1.01	5.33	5.33	0.66	1.58	6.17	6.17	0.76	2.30	
		19	-	-	-	-	5.10	3.60	0.63	1.40	5.04	4.49	0.62	1.35	5.32	5.28	0.65	1.57	6.19	6.19	0.76	2.32	
		20	-	-	-	-	6.48	3.57	0.80	2.57	6.41	4.45	0.79	2.52	6.34	5.33	0.78	2.45	6.32	6.21	0.78	2.43	
	8	15	2.41	2.41	0.26	0.36	3.25	3.25	0.35	0.48	4.10	4.10	0.44	0.62	4.92	4.92	0.53	0.90	5.70	5.70	0.61	1.34	
		17	2.42	2.42	0.26	0.36	3.26	3.26	0.35	0.49	4.10	4.10	0.44	0.62	4.92	4.92	0.53	0.90	5.72	5.72	0.61	1.35	
		19	-	-	-	-	4.06	3.23	0.44	0.61	4.09	4.03	0.44	0.62	4.93	4.93	0.53	0.91	5.73	5.73	0.62	1.35	
		20	-	-	-	-	5.27	3.14	0.57	1.08	5.22	4.03	0.56	1.05	5.17	4.91	0.56	1.03	5.73	5.73	0.62	1.36	
	9	15	1.99	1.99	0.19	0.26	2.82	2.82	0.27	0.37	3.66	3.66	0.35	0.48	4.49	4.49	0.43	0.60	5.30	5.30	0.51	0.82	
		17	1.99	1.99	0.19	0.26	2.83	2.83	0.27	0.37	3.67	3.67	0.35	0.48	4.50	4.50	0.43	0.60	5.31	5.31	0.51	0.83	
		19	-	-	-	-	2.94	2.83	0.28	0.38	3.67	3.67	0.35	0.48	4.51	4.51	0.43	0.60	5.32	5.32	0.51	0.83	
		20	-	-	-	-	4.19	2.76	0.40	0.55	4.14	3.66	0.40	0.54	4.50	4.46	0.43	0.60	5.33	5.33	0.51	0.83	
9	7	15	2.03	2.03	0.25	0.33	2.87	2.87	0.35	0.47	3.72	3.72	0.46	0.65	4.52	4.52	0.56	1.06	5.33	5.33	0.66	1.66	
		17	2.03	2.03	0.25	0.33	2.88	2.88	0.35	0.47	3.72	3.72	0.46	0.66	4.53	4.53	0.56	1.06	5.34	5.34	0.66	1.66	
		19	-	-	-	-	3.06	2.87	0.38	0.51	3.73	3.73	0.46	0.66	4.54	4.54	0.56	1.07	5.36	5.36	0.66	1.67	
		20	-	-	-	-	4.29	2.80	0.53	0.92	4.24	3.69	0.52	0.89	4.51	4.46	0.56	1.05	5.36	5.36	0.66	1.68	
	8	15	1.59	1.59	0.17	0.22	2.43	2.43	0.26	0.34	3.27	3.27	0.35	0.46	4.10	4.10	0.44	0.61	4.90	4.90	0.53	0.93	
		17	1.60	1.60	0.17	0.23	2.43	2.43	0.26	0.34	3.27	3.27	0.35	0.46	4.11	4.11	0.44	0.62	4.91	4.91	0.53	0.94	
		19	-	-	-	-	2.44	2.44	0.26	0.34	3.28	3.28	0.35	0.46	4.12	4.12	0.44	0.62	4.92	4.92	0.53	0.94	
		20	-	-	-	-	3.12	2.40	0.34	0.44	3.24	3.10	0.35	0.46	4.13	4.13	0.45	0.62	4.93	4.93	0.53	0.95	
	9	15	1.17	1.17	0.11	0.14	1.99	1.99	0.19	0.24	2.82	2.82	0.27	0.35	3.66	3.66	0.35	0.45	4.49	4.49	0.43	0.58	
		17	1.17	1.17	0.11	0.14	2.00	2.00	0.19	0.25	2.83	2.83	0.27	0.35	3.67	3.67	0.35	0.45	4.50	4.50	0.43	0.58	
		19	-	-	-	-	2.00	2.00	0.19	0.25	2.84	2.84	0.27	0.35	3.67	3.67	0.35	0.45	4.51	4.51	0.43	0.58	
		20	-	-	-	-	1.99	1.96	0.19	0.24	2.84	2.84	0.27	0.35	3.68	3.68	0.35	0.45	4.51	4.51	0.43	0.59	
11	7	15	1.19	1.19	0.15	0.18	2.03	2.03	0.25	0.31	2.87	2.87	0.35	0.45	3.70	3.70	0.45	0.64	4.50	4.50	0.55	1.07	
		17	1.19	1.19	0.15	0.18	2.03	2.03	0.25	0.31	2.88	2.88	0.35	0.45	3.71	3.71	0.46	0.65	4.51	4.51	0.55	1.08	
		19	-	-	-	-	2.03	2.03	0.25	0.32	2.88	2.88	0.35	0.45	3.72	3.72	0.46	0.65	4.52	4.52	0.55	1.09	
		20	-	-	-	-	2.06	2.04	0.25	0.32	2.88	2.88	0.35	0.45	3.72	3.72	0.46	0.65	4.52	4.52	0.55	1.09	
	8	15	0.78	0.78	0.08	0.10	1.60	1.60	0.17	0.21	2.43	2.43	0.26	0.32	3.27	3.27	0.35	0.44	4.10	4.10	0.44	0.61	
		17	0.78	0.78	0.08	0.10	1.60	1.60	0.17	0.21	2.44	2.44	0.26	0.33	3.28	3.28	0.35	0.44	4.11	4.11	0.44	0.61	
		19	-	-	-	-	1.60	1.60	0.17	0.21	2.44	2.44	0.26	0.33	3.28	3.28	0.35	0.44	4.12	4.12	0.44	0.61	
		20	-	-	-	-	1.61	1.61	0.17	0.21	2.45	2.45	0.26	0.33	3.29	3.29	0.35	0.44	4.12	4.12	0.44	0.61	
	9	15	0.41	0.41	0.04	0.05	1.19	1.19	0.11	0.14	2.01	2.01	0.19	0.23	2.84	2.84	0.27	0.33	3.67	3.67	0.35	0.43	
		17	0.41	0.41	0.04	0.05	1.19	1.19	0.11	0.14	2.02	2.02	0.19	0.24	2.85	2.85	0.27	0.33	3.68	3.68	0.35	0.43	
		19	-	-	-	-	1.19	1.19	0.11	0.14	2.02	2.02	0.19	0.24	2.85	2.85	0.27	0.33	3.69	3.69	0.35	0.43	
		20	-	-	-	-	1.19	1.19	0.11	0.14	2.02	2.02	0.19	0.24	2.86	2.86	0.27	0.33	3.69	3.69	0.35	0.43	

Cooling capacity

MDVF-1200D70E																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°C	°C	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa
5.5	7	15	3.60	3.60	0.44	0.66	4.47	4.47	0.55	0.96	5.30	5.30	0.65	1.51	6.16	6.16	0.76	2.25	7.06	7.06	0.87	3.08
		17	4.41	3.55	0.54	0.93	4.45	4.38	0.55	0.95	5.31	5.31	0.65	1.52	6.18	6.18	0.76	2.26	7.08	7.08	0.87	3.09
		19	-	-	-	-	6.94	4.36	0.85	2.96	6.86	5.28	0.84	2.90	6.77	6.18	0.83	2.82	7.07	7.02	0.87	3.08
		20	-	-	-	-	8.57	4.40	1.05	4.34	8.50	5.33	1.05	4.28	8.43	6.23	1.04	4.22	8.35	7.13	1.03	4.15
	8	15	3.13	3.13	0.34	0.49	4.01	4.01	0.43	0.63	4.86	4.86	0.52	0.86	5.69	5.69	0.61	1.28	6.53	6.53	0.70	1.86
		17	3.30	3.13	0.35	0.51	4.02	4.02	0.43	0.63	4.87	4.87	0.52	0.86	5.70	5.70	0.61	1.29	6.54	6.54	0.70	1.87
		19	-	-	-	-	5.65	3.88	0.61	1.26	5.59	4.81	0.60	1.22	5.68	5.61	0.61	1.28	6.55	6.55	0.70	1.88
		20	-	-	-	-	6.98	3.80	0.75	2.21	6.92	4.73	0.74	2.16	6.85	5.65	0.74	2.11	6.79	6.56	0.73	2.06
	9	15	2.67	2.67	0.25	0.36	3.54	3.54	0.34	0.48	4.41	4.41	0.42	0.60	5.27	5.27	0.50	0.79	6.09	6.09	0.58	1.14
		17	2.68	2.67	0.26	0.36	3.55	3.55	0.34	0.48	4.42	4.42	0.42	0.60	5.28	5.28	0.50	0.80	6.10	6.10	0.58	1.14
		19	-	-	-	-	4.59	3.49	0.44	0.63	4.55	4.42	0.43	0.62	5.29	5.29	0.50	0.80	6.11	6.11	0.58	1.15
		20	-	-	-	-	5.85	3.39	0.56	1.02	5.80	4.33	0.55	1.00	5.74	5.25	0.55	0.97	6.11	6.09	0.58	1.15
7	7	15	2.94	2.94	0.36	0.51	3.82	3.82	0.47	0.69	4.66	4.66	0.57	1.10	5.51	5.51	0.68	1.72	6.39	6.39	0.78	2.50
		17	2.92	2.82	0.36	0.51	3.83	3.83	0.47	0.69	4.67	4.67	0.57	1.10	5.52	5.52	0.68	1.73	6.41	6.41	0.79	2.51
		19	-	-	-	-	5.19	3.71	0.64	1.47	5.13	4.64	0.63	1.42	5.52	5.50	0.68	1.73	6.42	6.42	0.79	2.52
		20	-	-	-	-	6.66	3.68	0.82	2.73	6.59	4.61	0.81	2.67	6.51	5.52	0.80	2.60	6.50	6.44	0.80	2.59
	8	15	2.48	2.48	0.27	0.37	3.36	3.36	0.36	0.50	4.23	4.23	0.45	0.65	5.07	5.07	0.54	0.97	5.90	5.90	0.63	1.46
		17	2.49	2.49	0.27	0.37	3.36	3.36	0.36	0.50	4.24	4.24	0.46	0.66	5.08	5.08	0.55	0.98	5.91	5.91	0.64	1.47
		19	-	-	-	-	4.12	3.33	0.44	0.63	4.21	4.10	0.45	0.65	5.09	5.09	0.55	0.98	5.92	5.92	0.64	1.48
		20	-	-	-	-	5.36	3.22	0.58	1.13	5.31	4.16	0.57	1.10	5.27	5.08	0.57	1.07	5.93	5.93	0.64	1.48
	9	15	2.04	2.04	0.20	0.27	2.91	2.91	0.28	0.38	3.78	3.78	0.36	0.49	4.65	4.65	0.44	0.63	5.48	5.48	0.52	0.89
		17	2.05	2.05	0.20	0.27	2.91	2.91	0.28	0.38	3.79	3.79	0.36	0.49	4.65	4.65	0.45	0.63	5.49	5.49	0.53	0.90
		19	-	-	-	-	2.98	2.92	0.29	0.39	3.79	3.79	0.36	0.50	4.66	4.66	0.45	0.63	5.50	5.50	0.53	0.90
		20	-	-	-	-	4.26	2.84	0.41	0.56	4.21	3.78	0.40	0.55	4.67	4.66	0.45	0.63	5.51	5.51	0.53	0.90
9	7	15	2.09	2.09	0.26	0.34	2.96	2.96	0.37	0.49	3.84	3.84	0.47	0.70	4.67	4.67	0.58	1.15	5.52	5.52	0.68	1.81
		17	2.09	2.09	0.26	0.34	2.97	2.97	0.37	0.49	3.84	3.84	0.47	0.70	4.68	4.68	0.58	1.16	5.53	5.53	0.68	1.82
		19	-	-	-	-	3.12	2.97	0.38	0.51	3.85	3.85	0.48	0.70	4.69	4.69	0.58	1.17	5.55	5.55	0.68	1.83
		20	-	-	-	-	4.35	2.88	0.54	0.96	4.31	3.81	0.53	0.93	4.68	4.66	0.58	1.16	5.55	5.55	0.68	1.84
	8	15	1.64	1.64	0.18	0.23	2.50	2.50	0.27	0.35	3.38	3.38	0.36	0.48	4.24	4.24	0.46	0.65	5.07	5.07	0.55	1.02
		17	1.64	1.64	0.18	0.23	2.51	2.51	0.27	0.36	3.38	3.38	0.36	0.48	4.25	4.25	0.46	0.66	5.08	5.08	0.55	1.02
		19	-	-	-	-	2.51	2.51	0.27	0.36	3.39	3.39	0.37	0.48	4.26	4.26	0.46	0.66	5.09	5.09	0.55	1.03
		20	-	-	-	-	3.16	2.47	0.34	0.45	3.34	3.20	0.36	0.47	4.26	4.26	0.46	0.66	5.08	5.08	0.55	1.03
	9	15	1.19	1.19	0.11	0.15	2.05	2.05	0.20	0.25	2.91	2.91	0.28	0.36	3.78	3.78	0.36	0.47	4.64	4.64	0.44	0.62
		17	1.20	1.20	0.11	0.15	2.05	2.05	0.20	0.25	2.92	2.92	0.28	0.36	3.79	3.79	0.36	0.47	4.65	4.65	0.44	0.62
		19	-	-	-	-	2.06	2.06	0.20	0.25	2.93	2.93	0.28	0.36	3.80	3.80	0.36	0.47	4.66	4.66	0.45	0.62
		20	-	-	-	-	2.03	1.96	0.19	0.25	2.93	2.93	0.28	0.36	3.80	3.80	0.36	0.47	4.66	4.66	0.45	0.62
11	7	15	1.22	1.22	0.15	0.19	2.09	2.09	0.26	0.32	2.96	2.96	0.36	0.46	3.83	3.83	0.47	0.70	4.65	4.65	0.57	1.17
		17	1.22	1.22	0.15	0.19	2.09	2.09	0.26	0.33	2.97	2.97	0.36	0.46	3.83	3.83	0.47	0.70	4.66	4.66	0.57	1.18
		19	-	-	-	-	2.10	2.10	0.26	0.33	2.98	2.98	0.36	0.46	3.84	3.84	0.47	0.70	4.67	4.67	0.57	1.19
		20	-	-	-	-	2.10	2.08	0.26	0.33	2.98	2.98	0.37	0.46	3.85	3.85	0.47	0.70	4.68	4.68	0.57	1.19
	8	15	0.79	0.79	0.09	0.11	1.64	1.64	0.18	0.22	2.51	2.51	0.27	0.34	3.38	3.38	0.36	0.45	4.24	4.24	0.45	0.65
		17	0.79	0.79	0.09	0.11	1.65	1.65	0.18	0.22	2.51	2.51	0.27	0.34	3.39	3.39	0.36	0.45	4.24	4.24	0.46	0.66
		19	-	-	-	-	1.65	1.65	0.18	0.22	2.52	2.52	0.27	0.34	3.39	3.39	0.36	0.45	4.25	4.25	0.46	0.66
		20	-	-	-	-	1.65	1.65	0.18	0.22	2.52	2.52	0.27	0.34	3.40	3.40	0.36	0.46	4.26	4.26	0.46	0.66
	9	15	0.42	0.42	0.04	0.05	1.22	1.22	0.12	0.14	2.07	2.07	0.20	0.24	2.93	2.93	0.28	0.34	3.80	3.80	0.36	0.45
		17	0.42	0.42	0.04	0.05	1.22	1.22	0.12	0.14	2.08	2.08	0.20	0.24	2.94	2.94	0.28	0.34	3.81	3.81	0.36	0.45
		19	-	-	-	-	1.22	1.22	0.12	0.14	2.08	2.08	0.20	0.24	2.95	2.95	0.28	0.35	3.82	3.82	0.37	0.45
		20	-	-	-	-	1.22	1.22	0.12	0.14	2.08	2.08	0.20	0.24	2.95	2.95	0.28	0.35	3.82	3.82	0.37	0.45

Cooling capacity

MDVF-1400D70E																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
°C	°C	°C	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
			kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa
5.5	7	15	4.66	4.66	0.57	1.44	5.71	5.71	0.70	2.50	6.76	6.76	0.83	3.76	7.80	7.80	0.96	4.89	8.82	8.82	1.08	6.03
		17	6.46	4.66	0.79	3.41	6.41	5.73	0.79	3.34	6.76	6.72	0.83	3.77	7.82	7.82	0.96	4.92	8.85	8.85	1.09	6.06
		19	-	-	-	-	9.79	5.77	1.20	7.20	9.70	6.82	1.19	7.09	9.62	7.86	1.18	6.99	9.54	8.87	1.17	6.90
		20	-	-	-	-	11.56	5.78	1.42	9.50	11.46	6.83	1.41	9.36	11.36	7.87	1.39	9.23	11.26	8.89	1.38	9.10
	8	15	4.11	4.11	0.44	0.84	5.17	5.17	0.55	1.34	6.21	6.21	0.67	2.21	7.24	7.24	0.78	3.26	8.27	8.27	0.89	4.25
		17	5.09	4.11	0.55	1.29	5.14	4.93	0.55	1.32	6.22	6.22	0.67	2.22	7.26	7.26	0.78	3.28	8.29	8.29	0.89	4.27
		19	-	-	-	-	8.35	5.20	0.90	4.32	8.27	6.25	0.89	4.25	8.20	7.29	0.88	4.19	8.27	8.08	0.89	4.25
		20	-	-	-	-	10.15	5.22	1.09	6.03	10.06	6.28	1.08	5.94	9.97	7.32	1.07	5.86	9.89	8.34	1.06	5.77
	9	15	3.57	3.57	0.34	0.63	4.64	4.64	0.44	0.83	5.68	5.68	0.54	1.29	6.70	6.70	0.64	2.01	7.73	7.73	0.74	2.90
		17	3.74	3.59	0.36	0.65	4.65	4.65	0.44	0.84	5.69	5.69	0.54	1.29	6.72	6.72	0.64	2.03	7.75	7.75	0.74	2.92
		19	-	-	-	-	6.90	4.64	0.66	2.17	6.84	5.70	0.65	2.12	6.80	6.77	0.65	2.09	7.77	7.77	0.74	2.94
		20	-	-	-	-	8.67	4.65	0.83	3.72	8.59	5.71	0.82	3.65	8.52	6.76	0.81	3.59	8.44	7.78	0.81	3.53
7	7	15	3.85	3.85	0.47	0.93	4.90	4.90	0.60	1.70	5.95	5.95	0.73	2.83	6.99	6.99	0.86	3.99	8.02	8.02	0.98	5.05
		17	4.41	3.85	0.54	1.28	4.91	4.91	0.60	1.71	5.96	5.96	0.73	2.85	7.01	7.01	0.86	4.01	8.04	8.04	0.99	5.08
		19	-	-	-	-	7.68	4.94	0.94	4.70	7.61	5.99	0.93	4.63	7.54	7.03	0.93	4.56	8.06	8.06	0.99	5.10
		20	-	-	-	-	9.47	4.96	1.16	6.70	9.38	6.02	1.15	6.60	9.30	7.06	1.14	6.51	9.23	8.08	1.13	6.41
	8	15	3.30	3.30	0.35	0.64	4.37	4.37	0.47	0.91	5.41	5.41	0.58	1.57	6.44	6.44	0.69	2.51	7.47	7.47	0.80	3.51
		17	3.26	3.00	0.35	0.63	4.38	4.38	0.47	0.92	5.42	5.42	0.58	1.58	6.46	6.46	0.69	2.52	7.49	7.49	0.81	3.53
		19	-	-	-	-	6.19	4.37	0.66	2.26	6.13	5.43	0.66	2.21	6.44	6.31	0.69	2.51	7.51	7.51	0.81	3.55
		20	-	-	-	-	7.97	4.39	0.86	3.95	7.89	5.45	0.85	3.89	7.82	6.50	0.84	3.83	7.76	7.54	0.83	3.77
	9	15	2.76	2.76	0.26	0.46	3.83	3.83	0.37	0.65	4.88	4.88	0.47	0.91	5.91	5.91	0.57	1.49	6.93	6.93	0.66	2.28
		17	2.76	2.76	0.26	0.47	3.84	3.84	0.37	0.65	4.89	4.89	0.47	0.92	5.93	5.93	0.57	1.50	6.95	6.95	0.67	2.30
		19	-	-	-	-	4.76	3.84	0.46	0.87	4.85	4.61	0.46	0.90	5.94	5.94	0.57	1.51	6.97	6.97	0.67	2.31
		20	-	-	-	-	6.45	3.83	0.62	1.88	6.39	4.90	0.61	1.84	6.34	5.95	0.61	1.80	6.98	6.98	0.67	2.32
9	7	15	2.75	2.75	0.34	0.59	3.82	3.82	0.47	0.93	4.87	4.87	0.60	1.76	5.91	5.91	0.73	2.88	6.95	6.95	0.86	3.93
		17	2.76	2.76	0.34	0.59	3.83	3.83	0.47	0.93	4.88	4.88	0.60	1.77	5.93	5.93	0.73	2.90	6.97	6.97	0.86	3.95
		19	-	-	-	-	4.73	3.84	0.58	1.62	4.84	4.55	0.60	1.73	5.95	5.95	0.73	2.92	6.99	6.99	0.86	3.97
		20	-	-	-	-	6.48	3.85	0.80	3.47	6.42	4.91	0.79	3.41	6.37	5.96	0.79	3.36	7.00	7.00	0.86	3.98
	8	15	2.21	2.21	0.24	0.40	3.28	3.28	0.35	0.60	4.34	4.34	0.47	0.92	5.37	5.37	0.58	1.62	6.40	6.40	0.69	2.56
		17	2.21	2.21	0.24	0.41	3.29	3.29	0.35	0.60	4.35	4.35	0.47	0.92	5.39	5.39	0.58	1.63	6.42	6.42	0.69	2.57
		19	-	-	-	-	3.30	3.21	0.36	0.61	4.36	4.36	0.47	0.93	5.40	5.40	0.58	1.65	6.44	6.44	0.69	2.59
		20	-	-	-	-	4.92	3.29	0.53	1.28	4.89	4.36	0.53	1.25	5.40	5.37	0.58	1.65	6.45	6.45	0.70	2.60
	9	15	1.66	1.66	0.16	0.26	2.74	2.74	0.26	0.44	3.80	3.80	0.36	0.61	4.84	4.84	0.46	0.91	5.87	5.87	0.56	1.51
		17	1.66	1.66	0.16	0.26	2.74	2.74	0.26	0.44	3.81	3.81	0.36	0.61	4.86	4.86	0.46	0.91	5.88	5.88	0.56	1.52
		19	-	-	-	-	2.75	2.75	0.26	0.44	3.82	3.82	0.37	0.61	4.87	4.87	0.47	0.92	5.90	5.90	0.56	1.53
		20	-	-	-	-	3.36	2.75	0.32	0.54	3.79	3.56	0.36	0.61	4.88	4.88	0.47	0.92	5.91	5.91	0.57	1.54
11	7	15	1.66	1.66	0.20	0.33	2.73	2.73	0.34	0.55	3.80	3.80	0.47	0.92	4.84	4.84	0.59	1.77	5.88	5.88	0.72	2.83
		17	1.66	1.66	0.20	0.34	2.74	2.74	0.34	0.56	3.81	3.81	0.47	0.92	4.85	4.85	0.59	1.78	5.89	5.89	0.72	2.85
		19	-	-	-	-	2.75	2.75	0.34	0.56	3.82	3.82	0.47	0.93	4.86	4.86	0.60	1.79	5.91	5.91	0.72	2.87
		20	-	-	-	-	3.36	2.75	0.41	0.71	3.79	3.57	0.46	0.91	4.87	4.87	0.60	1.80	5.92	5.92	0.73	2.88
	8	15	1.11	1.11	0.12	0.19	2.19	2.19	0.24	0.38	3.26	3.26	0.35	0.57	4.31	4.31	0.46	0.92	5.34	5.34	0.57	1.63
		17	1.11	1.11	0.12	0.19	2.20	2.20	0.24	0.38	3.27	3.27	0.35	0.57	4.32	4.32	0.46	0.92	5.35	5.35	0.57	1.65
		19	-	-	-	-	2.20	2.20	0.24	0.38	3.28	3.28	0.35	0.57	4.33	4.33	0.47	0.93	5.37	5.37	0.58	1.66
		20	-	-	-	-	2.16	1.91	0.23	0.38	3.28	3.28	0.35	0.57	4.34	4.34	0.47	0.93	5.38	5.38	0.58	1.66
	9	15	0.56	0.56	0.05	0.08	1.65	1.65	0.16	0.25	2.72	2.72	0.26	0.41	3.78	3.78	0.36	0.58	4.82	4.82	0.46	0.92
		17	0.56	0.56	0.05	0.08	1.65	1.65	0.16	0.25	2.73	2.73	0.26	0.41	3.79	3.79	0.36	0.58	4.83	4.83	0.46	0.93
		19	-	-	-	-	1.66	1.66	0.16	0.25	2.74	2.74	0.26	0.41	3.80	3.80	0.36	0.58	4.84	4.84	0.46	0.93
		20	-	-	-	-	5.98	1.27	0.69	4.04	2.74	2.74	0.26	0.42	3.81	3.81	0.36	0.58	4.85	4.85	0.46	0.94

Cooling capacity

MDVF-1600D100E																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°C	°C	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa
5.5	7	15	5.80	5.80	0.71	2.70	7.17	7.17	0.88	4.43	8.54	8.54	1.05	6.02	9.89	9.89	1.22	7.71	11.20	11.20	1.37	9.48
		17	7.91	5.82	0.97	5.29	7.85	7.20	0.97	5.22	8.56	8.55	1.05	6.04	9.91	9.91	1.22	7.74	11.22	11.22	1.38	9.52
		19	-	-	-	-	12.21	7.24	1.50	10.99	12.10	8.60	1.48	10.82	11.98	9.94	1.47	10.65	11.91	11.26	1.46	10.53
		20	-	-	-	-	14.52	7.26	1.78	14.79	14.39	8.62	1.76	14.56	14.26	9.96	1.75	14.33	14.14	11.28	1.73	14.12
	8	15	5.13	5.13	0.55	1.37	6.44	6.44	0.69	2.52	7.79	7.79	0.84	3.98	9.15	9.15	0.98	5.33	10.49	10.49	1.13	6.72
		17	6.05	5.09	0.65	2.13	6.42	6.29	0.69	2.50	7.80	7.80	0.84	4.00	9.17	9.17	0.98	5.35	10.51	10.51	1.13	6.75
		19	-	-	-	-	10.31	6.50	1.11	6.53	10.21	7.86	1.10	6.42	10.13	9.20	1.09	6.34	10.50	10.36	1.13	6.73
		20	-	-	-	-	12.65	6.53	1.36	9.25	12.53	7.89	1.35	9.10	12.42	9.24	1.33	8.96	12.31	10.56	1.32	8.83
	9	15	4.47	4.47	0.43	0.84	5.79	5.79	0.55	1.40	7.08	7.08	0.68	2.41	8.42	8.42	0.80	3.66	9.76	9.76	0.93	4.84
		17	4.63	4.53	0.44	0.88	5.80	5.80	0.55	1.41	7.10	7.10	0.68	2.43	8.44	8.44	0.80	3.68	9.79	9.79	0.93	4.86
		19	-	-	-	-	8.30	5.74	0.79	3.55	8.22	7.10	0.78	3.49	8.39	8.24	0.80	3.64	9.81	9.81	0.94	4.88
		20	-	-	-	-	10.68	5.78	1.02	5.64	10.57	7.15	1.01	5.55	10.47	8.50	1.00	5.46	10.41	9.83	0.99	5.40
7	7	15	4.79	4.79	0.59	1.66	6.12	6.12	0.75	3.17	7.50	7.50	0.92	4.75	8.86	8.86	1.09	6.30	10.19	10.19	1.25	8.00
		17	5.25	4.77	0.65	2.13	6.13	6.13	0.75	3.18	7.52	7.52	0.92	4.77	8.88	8.88	1.09	6.33	10.21	10.21	1.25	8.03
		19	-	-	-	-	9.51	6.19	1.17	7.11	9.42	7.56	1.16	7.00	9.37	8.90	1.15	6.94	10.24	10.24	1.26	8.07
		20	-	-	-	-	11.84	6.22	1.45	10.33	11.72	7.58	1.44	10.16	11.61	8.93	1.43	10.00	11.53	10.26	1.42	9.87
	8	15	4.14	4.14	0.44	0.88	5.45	5.45	0.59	1.66	6.77	6.77	0.73	2.95	8.13	8.13	0.87	4.31	9.47	9.47	1.02	5.60
		17	4.16	4.10	0.45	0.88	5.46	5.46	0.59	1.67	6.78	6.78	0.73	2.96	8.15	8.15	0.88	4.32	9.50	9.50	1.02	5.62
		19	-	-	-	-	7.47	5.43	0.80	3.68	7.42	6.80	0.80	3.63	8.16	8.11	0.88	4.34	9.52	9.52	1.02	5.65
		20	-	-	-	-	9.84	5.48	1.06	5.97	9.74	6.85	1.05	5.87	9.66	8.20	1.04	5.79	9.68	9.56	1.04	5.81
	9	15	3.47	3.47	0.33	0.62	4.81	4.81	0.46	0.93	6.11	6.11	0.58	1.68	7.41	7.41	0.71	2.80	8.76	8.76	0.84	3.98
		17	3.47	3.47	0.33	0.62	4.83	4.83	0.46	0.94	6.12	6.12	0.59	1.69	7.43	7.43	0.71	2.82	8.78	8.78	0.84	4.00
		19	-	-	-	-	5.69	4.78	0.54	1.39	6.13	6.05	0.59	1.70	7.45	7.45	0.71	2.83	8.80	8.80	0.84	4.02
		20	-	-	-	-	7.74	4.72	0.74	3.11	7.67	6.10	0.74	3.04	7.68	7.47	0.74	3.05	8.81	8.81	0.84	4.03
9	7	15	3.47	3.47	0.43	0.81	4.78	4.78	0.59	1.74	6.12	6.12	0.76	3.25	7.50	7.50	0.92	4.70	8.84	8.84	1.09	6.22
		17	3.48	3.48	0.43	0.81	4.79	4.79	0.59	1.75	6.14	6.14	0.76	3.27	7.51	7.51	0.93	4.72	8.86	8.86	1.09	6.25
		19	-	-	-	-	5.67	4.78	0.70	2.72	6.11	5.94	0.75	3.23	7.53	7.53	0.93	4.74	8.88	8.88	1.10	6.28
		20	-	-	-	-	8.00	4.81	0.99	5.24	7.92	6.19	0.98	5.16	7.92	7.56	0.98	5.16	8.90	8.88	1.10	6.29
	8	15	2.78	2.78	0.30	0.54	4.13	4.13	0.45	0.87	5.43	5.43	0.59	1.73	6.76	6.76	0.73	3.02	8.12	8.12	0.88	4.27
		17	2.79	2.79	0.30	0.54	4.14	4.14	0.45	0.87	5.45	5.45	0.59	1.74	6.78	6.78	0.73	3.04	8.14	8.14	0.88	4.28
		19	-	-	-	-	4.22	4.21	0.45	0.90	5.46	5.46	0.59	1.76	6.80	6.80	0.73	3.05	8.16	8.16	0.88	4.30
		20	-	-	-	-	5.85	4.07	0.63	2.12	5.86	5.46	0.63	2.13	6.80	6.78	0.73	3.06	8.17	8.17	0.88	4.31
	9	15	2.09	2.09	0.20	0.35	3.45	3.45	0.33	0.59	4.79	4.79	0.46	0.92	6.07	6.07	0.58	1.72	7.39	7.39	0.71	2.83
		17	2.10	2.10	0.20	0.35	3.46	3.46	0.33	0.59	4.80	4.80	0.46	0.93	6.09	6.09	0.58	1.73	7.41	7.41	0.71	2.84
		19	-	-	-	-	3.47	3.44	0.33	0.59	4.81	4.81	0.46	0.93	6.10	6.10	0.58	1.74	7.43	7.43	0.71	2.86
		20	-	-	-	-	4.08	3.46	0.39	0.70	4.84	4.80	0.46	0.94	6.11	6.11	0.58	1.75	7.44	7.44	0.71	2.87
11	7	15	2.09	2.09	0.26	0.45	3.45	3.45	0.42	0.78	4.76	4.76	0.58	1.76	6.11	6.11	0.75	3.21	7.47	7.47	0.92	4.56
		17	2.09	2.09	0.26	0.45	3.46	3.46	0.42	0.78	4.77	4.77	0.58	1.77	6.12	6.12	0.75	3.22	7.49	7.49	0.92	4.58
		19	-	-	-	-	3.47	3.45	0.43	0.79	4.78	4.78	0.59	1.78	6.14	6.14	0.75	3.24	7.51	7.51	0.92	4.60
		20	-	-	-	-	4.03	3.44	0.49	1.12	4.78	4.70	0.59	1.78	6.15	6.15	0.75	3.25	7.52	7.52	0.92	4.61
	8	15	1.41	1.41	0.15	0.26	2.77	2.77	0.30	0.51	4.12	4.12	0.44	0.86	5.41	5.41	0.58	1.76	6.75	6.75	0.72	3.00
		17	1.41	1.41	0.15	0.26	2.78	2.78	0.30	0.51	4.13	4.13	0.44	0.86	5.42	5.42	0.58	1.77	6.77	6.77	0.73	3.01
		19	-	-	-	-	2.79	2.79	0.30	0.51	4.14	4.14	0.44	0.87	5.44	5.44	0.58	1.78	6.78	6.78	0.73	3.03
		20	-	-	-	-	2.82	2.77	0.30	0.52	4.14	4.14	0.44	0.87	5.45	5.45	0.58	1.79	6.79	6.79	0.73	3.04
	9	15	0.72	0.72	0.07	0.11	2.10	2.10	0.20	0.34	3.45	3.45	0.33	0.56	4.78	4.78	0.46	0.94	6.07	6.07	0.58	1.78
		17	0.72	0.72	0.07	0.11	2.10	2.10	0.20	0.34	3.46	3.46	0.33	0.56	4.79	4.79	0.46	0.94	6.08	6.08	0.58	1.79
		19	-	-	-	-	2.11	2.11	0.20	0.34	3.47	3.47	0.33	0.56	4.80	4.80	0.46	0.95	6.09	6.09	0.58	1.80
		20	-	-	-	-	2.11	2.11	0.20	0.34	3.48	3.48	0.33	0.56	4.81	4.81	0.46	0.95	6.10	6.10	0.58	1.81

Cooling capacity

MDVF-1800D100E																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°C	°C	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa
5.5	7	15	6.63	6.63	0.81	3.75	8.34	8.34	1.03	5.80	10.02	10.02	1.23	7.92	11.65	11.65	1.43	10.18	13.29	13.29	1.63	12.82
		17	8.72	6.68	1.07	6.25	8.75	8.37	1.08	6.29	10.04	10.03	1.23	7.94	11.67	11.67	1.43	10.21	13.31	13.31	1.64	12.86
		19	-	-	-	-	13.98	8.41	1.72	13.95	13.88	10.07	1.71	13.81	13.75	11.71	1.69	13.58	13.79	13.34	1.70	13.66
		20	-	-	-	-	16.74	8.42	2.06	19.00	16.62	10.08	2.04	18.77	16.50	11.72	2.03	18.53	16.35	13.34	2.01	18.24
	8	15	5.80	5.80	0.62	1.88	7.36	7.36	0.79	3.51	9.06	9.06	0.97	5.27	10.74	10.74	1.15	7.02	12.38	12.38	1.33	8.94
		17	6.31	5.74	0.68	2.38	7.37	7.35	0.79	3.52	9.08	9.08	0.97	5.28	10.76	10.76	1.15	7.05	12.40	12.40	1.33	8.97
		19	-	-	-	-	11.54	7.47	1.24	7.94	11.41	9.13	1.22	7.79	11.42	10.78	1.23	7.80	12.41	12.38	1.33	8.99
		20	-	-	-	-	14.37	7.51	1.54	11.54	14.25	9.17	1.53	11.38	14.11	10.81	1.51	11.19	14.00	12.43	1.50	11.04
	9	15	5.08	5.08	0.49	1.03	6.56	6.56	0.63	1.94	8.12	8.12	0.77	3.37	9.80	9.80	0.94	4.89	11.47	11.47	1.09	6.40
		17	5.18	5.10	0.49	1.07	6.57	6.57	0.63	1.95	8.14	8.14	0.78	3.38	9.82	9.82	0.94	4.91	11.49	11.49	1.10	6.42
		19	-	-	-	-	8.85	6.48	0.84	4.05	8.82	8.15	0.84	4.03	9.83	9.77	0.94	4.92	11.52	11.52	1.10	6.44
		20	-	-	-	-	11.86	6.57	1.13	6.77	11.72	8.23	1.12	6.64	11.61	9.88	1.11	6.53	11.84	11.55	1.13	6.75
7	7	15	5.43	5.43	0.67	2.31	7.08	7.08	0.87	4.30	8.78	8.78	1.08	6.24	10.44	10.44	1.28	8.37	12.07	12.07	1.48	10.72
		17	5.59	5.44	0.69	2.50	7.09	7.09	0.87	4.31	8.80	8.80	1.08	6.26	10.46	10.46	1.29	8.40	12.10	12.10	1.49	10.76
		19	-	-	-	-	10.71	7.17	1.32	8.74	10.60	8.83	1.30	8.58	10.79	10.50	1.33	8.84	12.12	12.11	1.49	10.79
		20	-	-	-	-	13.53	7.19	1.66	13.03	13.41	8.85	1.65	12.84	13.28	10.49	1.63	12.61	13.21	12.13	1.62	12.51
	8	15	4.71	4.71	0.51	1.13	6.19	6.19	0.67	2.33	7.83	7.83	0.84	4.03	9.53	9.53	1.02	5.68	11.18	11.18	1.20	7.45
		17	4.71	4.69	0.51	1.13	6.20	6.20	0.67	2.34	7.85	7.85	0.84	4.05	9.54	9.54	1.03	5.70	11.20	11.20	1.20	7.47
		19	-	-	-	-	8.02	6.19	0.86	4.21	8.16	7.88	0.88	4.34	9.56	9.54	1.03	5.71	11.22	11.22	1.21	7.50
		20	-	-	-	-	11.00	6.26	1.18	7.24	10.87	7.93	1.17	7.10	10.80	9.58	1.16	7.02	11.35	11.26	1.22	7.65
	9	15	3.94	3.94	0.38	0.72	5.48	5.48	0.52	1.25	6.97	6.97	0.67	2.37	8.60	8.60	0.82	3.86	10.28	10.28	0.99	5.29
		17	3.95	3.95	0.38	0.72	5.49	5.49	0.53	1.25	6.98	6.98	0.67	2.38	8.62	8.62	0.83	3.87	10.30	10.30	0.99	5.30
		19	-	-	-	-	5.95	5.42	0.57	1.56	6.99	6.95	0.67	2.39	8.64	8.64	0.83	3.89	10.32	10.32	0.99	5.32
		20	-	-	-	-	8.20	5.28	0.79	3.51	8.13	6.96	0.78	3.45	8.72	8.68	0.84	3.96	10.33	10.33	0.99	5.33
9	7	15	3.96	3.96	0.49	1.05	5.46	5.46	0.67	2.46	7.15	7.15	0.88	4.35	8.83	8.83	1.09	6.23	10.48	10.48	1.29	8.34
		17	3.96	3.96	0.49	1.05	5.47	5.47	0.67	2.47	7.16	7.16	0.88	4.37	8.85	8.85	1.09	6.25	10.50	10.50	1.29	8.36
		19	-	-	-	-	6.01	5.46	0.74	3.12	7.16	7.11	0.88	4.37	8.87	8.87	1.09	6.27	10.52	10.52	1.30	8.39
		20	-	-	-	-	8.90	5.53	1.10	6.31	8.81	7.20	1.09	6.20	9.14	8.90	1.13	6.60	10.52	10.50	1.30	8.40
	8	15	3.17	3.17	0.34	0.63	4.72	4.72	0.51	1.17	6.22	6.22	0.67	2.47	7.90	7.90	0.85	4.08	9.56	9.56	1.03	5.62
		17	3.17	3.17	0.34	0.63	4.72	4.72	0.51	1.18	6.24	6.24	0.67	2.48	7.92	7.92	0.85	4.10	9.58	9.58	1.03	5.64
		19	-	-	-	-	4.79	4.75	0.52	1.22	6.25	6.25	0.67	2.49	7.93	7.93	0.86	4.11	9.60	9.60	1.03	5.66
		20	-	-	-	-	6.06	4.56	0.65	2.31	6.40	6.28	0.69	2.65	7.94	7.92	0.86	4.12	9.61	9.61	1.03	5.67
	9	15	2.36	2.36	0.23	0.40	3.95	3.95	0.38	0.68	5.46	5.46	0.52	1.28	6.98	6.98	0.67	2.45	8.64	8.64	0.83	3.85
		17	2.37	2.37	0.23	0.41	3.95	3.95	0.38	0.68	5.47	5.47	0.52	1.28	6.99	6.99	0.67	2.46	8.66	8.66	0.83	3.86
		19	-	-	-	-	3.96	3.94	0.38	0.68	5.48	5.48	0.52	1.29	7.00	7.00	0.67	2.47	8.68	8.68	0.83	3.88
		20	-	-	-	-	4.33	3.94	0.41	0.77	5.49	5.47	0.53	1.29	7.01	7.01	0.67	2.48	8.67	8.67	0.83	3.89
11	7	15	2.38	2.38	0.29	0.52	3.95	3.95	0.48	1.05	5.47	5.47	0.67	2.50	7.17	7.17	0.88	4.27	8.84	8.84	1.08	6.09
		17	2.38	2.38	0.29	0.52	3.95	3.95	0.48	1.06	5.48	5.48	0.67	2.52	7.18	7.18	0.88	4.28	8.85	8.85	1.09	6.11
		19	-	-	-	-	3.96	3.95	0.49	1.06	5.49	5.49	0.67	2.53	7.20	7.20	0.88	4.29	8.87	8.87	1.09	6.13
		20	-	-	-	-	4.24	3.92	0.52	1.28	5.49	5.45	0.67	2.53	7.21	7.21	0.88	4.30	8.88	8.88	1.09	6.14
	8	15	1.59	1.59	0.17	0.29	3.18	3.18	0.34	0.59	4.71	4.71	0.51	1.20	6.24	6.24	0.67	2.52	7.93	7.93	0.85	4.02
		17	1.59	1.59	0.17	0.30	3.18	3.18	0.34	0.59	4.72	4.72	0.51	1.20	6.26	6.26	0.67	2.53	7.95	7.95	0.85	4.03
		19	-	-	-	-	3.19	3.19	0.34	0.60	4.73	4.73	0.51	1.21	6.27	6.27	0.67	2.54	7.96	7.96	0.86	4.05
		20	-	-	-	-	3.21	3.20	0.34	0.60	4.73	4.73	0.51	1.21	6.27	6.27	0.67	2.55	7.97	7.97	0.86	4.06
	9	15	0.81	0.81	0.08	0.13	2.40	2.40	0.23	0.39	3.98	3.98	0.38	0.66	5.48	5.48	0.52	1.34	7.03	7.03	0.67	2.55
		17	0.81	0.81	0.08	0.13	2.40	2.40	0.23	0.39	3.99	3.99	0.38	0.66	5.49	5.49	0.53	1.34	7.04	7.04	0.67	2.56
		19	-	-	-	-	2.41	2.41	0.23	0.39	4.00	4.00	0.38	0.66	5.50	5.50	0.53	1.35	7.06	7.06	0.68	2.57
		20	-	-	-	-	2.41	2.41	0.23	0.39	4.00	4.00	0.38	0.67	5.51	5.51	0.53	1.35	7.06	7.06	0.68	2.58

Cooling capacity

MDVF-2200D100E																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°C	°C	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa	kW	kW	m <sup>3</sup> /h	kPa
5.5	7	15	7.48	7.48	0.92	4.80	9.36	9.36	1.15	7.04	11.16	11.16	1.37	9.46	12.96	12.96	1.59	12.21	14.73	14.73	1.81	15.22
		17	10.07	7.53	1.24	7.97	10.08	9.38	1.24	7.99	11.18	11.15	1.37	9.48	12.99	12.99	1.59	12.25	14.76	14.76	1.81	15.27
		19	-	-	-	-	15.77	9.41	1.94	17.15	15.63	11.22	1.92	16.88	15.49	13.01	1.90	16.60	15.53	14.80	1.91	16.68
		20	-	-	-	-	18.80	9.42	2.31	23.20	18.66	11.23	2.29	22.91	18.52	13.03	2.27	22.61	18.35	14.80	2.25	22.26
	8	15	6.49	6.49	0.70	2.56	8.31	8.31	0.89	4.51	10.17	10.17	1.09	6.41	11.99	11.99	1.29	8.47	13.78	13.78	1.48	10.73
		17	7.31	6.45	0.78	3.46	8.32	8.27	0.89	4.52	10.19	10.19	1.09	6.43	12.01	12.01	1.29	8.50	13.80	13.80	1.48	10.77
		19	-	-	-	-	13.20	8.41	1.42	9.97	13.06	10.23	1.40	9.80	13.06	12.04	1.40	9.79	13.89	13.85	1.49	10.88
		20	-	-	-	-	16.28	8.44	1.75	14.29	16.17	10.27	1.74	14.15	16.03	12.07	1.72	13.96	15.93	13.86	1.71	13.81
	9	15	5.68	5.68	0.54	1.33	7.34	7.34	0.70	2.63	9.16	9.16	0.87	4.33	11.01	11.01	1.05	5.97	12.82	12.82	1.22	7.72
		17	5.86	5.69	0.56	1.44	7.36	7.36	0.70	2.64	9.18	9.18	0.88	4.34	11.03	11.03	1.05	5.99	12.84	12.84	1.23	7.75
		19	-	-	-	-	10.44	7.38	1.00	5.45	10.40	9.21	0.99	5.41	11.16	11.08	1.07	6.11	12.87	12.87	1.23	7.78
		20	-	-	-	-	13.64	7.45	1.30	8.58	13.49	9.27	1.29	8.42	13.37	11.07	1.28	8.30	13.57	12.89	1.29	8.50
7	7	15	6.09	6.09	0.75	3.12	7.97	7.97	0.98	5.29	9.82	9.82	1.21	7.54	11.63	11.63	1.43	10.05	13.41	13.41	1.65	12.83
		17	6.46	6.11	0.79	3.57	7.98	7.96	0.98	5.30	9.84	9.84	1.21	7.56	11.65	11.65	1.43	10.09	13.44	13.44	1.65	12.87
		19	-	-	-	-	12.20	8.04	1.50	10.91	12.08	9.85	1.48	10.73	12.25	11.69	1.50	10.98	13.46	13.43	1.65	12.91
		20	-	-	-	-	15.28	8.06	1.88	16.04	15.14	9.88	1.86	15.79	14.99	11.68	1.84	15.52	14.92	13.46	1.83	15.40
	8	15	5.25	5.25	0.56	1.49	6.96	6.96	0.75	3.13	8.82	8.82	0.95	4.98	10.66	10.66	1.15	6.87	12.46	12.46	1.34	8.95
		17	5.28	5.28	0.57	1.52	6.97	6.97	0.75	3.15	8.84	8.84	0.95	5.00	10.68	10.68	1.15	6.89	12.48	12.48	1.34	8.98
		19	-	-	-	-	9.43	7.02	1.01	5.58	9.54	8.87	1.03	5.68	10.71	10.69	1.15	6.92	12.51	12.51	1.34	9.01
		20	-	-	-	-	12.60	7.07	1.35	9.13	12.46	8.90	1.34	8.95	12.39	10.71	1.33	8.87	12.88	12.54	1.38	9.48
	9	15	4.44	4.44	0.43	0.82	6.10	6.10	0.58	1.67	7.83	7.83	0.75	3.17	9.68	9.68	0.93	4.77	11.51	11.51	1.10	6.39
		17	4.45	4.44	0.43	0.82	6.12	6.12	0.59	1.68	7.84	7.84	0.75	3.19	9.70	9.70	0.93	4.79	11.53	11.53	1.10	6.41
		19	-	-	-	-	6.78	6.05	0.65	2.22	7.86	7.84	0.75	3.21	9.72	9.72	0.93	4.80	11.55	11.55	1.11	6.44
		20	-	-	-	-	9.72	6.05	0.93	4.79	9.64	7.89	0.92	4.73	10.11	9.76	0.97	5.13	11.56	11.53	1.11	6.44
9	7	15	4.41	4.41	0.54	1.39	6.15	6.15	0.76	3.27	8.02	8.02	0.99	5.29	9.85	9.85	1.22	7.50	11.65	11.65	1.44	9.99
		17	4.42	4.42	0.54	1.39	6.16	6.16	0.76	3.28	8.04	8.04	0.99	5.31	9.87	9.87	1.22	7.53	11.67	11.67	1.44	10.02
		19	-	-	-	-	7.13	6.18	0.88	4.33	8.11	8.09	1.00	5.39	9.89	9.89	1.22	7.56	11.70	11.70	1.44	10.06
		20	-	-	-	-	10.23	6.23	1.26	7.99	10.14	8.06	1.25	7.87	10.43	9.92	1.29	8.26	11.71	11.68	1.44	10.08
	8	15	3.57	3.57	0.39	0.71	5.25	5.25	0.57	1.57	7.01	7.01	0.76	3.25	8.87	8.87	0.96	4.98	10.67	10.67	1.15	6.78
		17	3.58	3.58	0.39	0.71	5.26	5.26	0.57	1.58	7.02	7.02	0.76	3.27	8.89	8.89	0.96	4.99	10.70	10.70	1.15	6.80
		19	-	-	-	-	5.37	5.30	0.58	1.67	7.04	7.04	0.76	3.28	8.91	8.91	0.96	5.01	10.72	10.72	1.15	6.83
		20	-	-	-	-	7.15	5.17	0.77	3.40	7.44	7.07	0.80	3.66	8.91	8.88	0.96	5.02	10.73	10.73	1.15	6.84
	9	15	2.68	2.68	0.26	0.46	4.44	4.44	0.42	0.80	6.09	6.09	0.58	1.72	7.86	7.86	0.75	3.21	9.71	9.71	0.93	4.70
		17	2.68	2.68	0.26	0.46	4.45	4.45	0.43	0.80	6.10	6.10	0.58	1.73	7.87	7.87	0.75	3.23	9.73	9.73	0.93	4.72
		19	-	-	-	-	4.46	4.43	0.43	0.80	6.11	6.11	0.58	1.74	7.89	7.89	0.75	3.24	9.75	9.75	0.93	4.73
		20	-	-	-	-	4.98	4.40	0.48	1.01	6.14	6.13	0.59	1.75	7.90	7.90	0.76	3.25	9.76	9.76	0.93	4.74
11	7	15	2.68	2.68	0.33	0.58	4.39	4.39	0.54	1.41	6.16	6.16	0.76	3.26	8.03	8.03	0.98	5.17	9.85	9.85	1.21	7.32
		17	2.69	2.69	0.33	0.58	4.40	4.40	0.54	1.41	6.17	6.17	0.76	3.28	8.05	8.05	0.99	5.19	9.87	9.87	1.21	7.34
		19	-	-	-	-	4.41	4.39	0.54	1.42	6.19	6.19	0.76	3.29	8.06	8.06	0.99	5.20	9.89	9.89	1.21	7.37
		20	-	-	-	-	4.82	4.37	0.59	1.81	6.19	6.14	0.76	3.29	8.07	8.07	0.99	5.21	9.90	9.90	1.21	7.38
	8	15	1.81	1.81	0.19	0.33	3.58	3.58	0.38	0.67	5.25	5.25	0.56	1.61	7.04	7.04	0.76	3.25	8.89	8.89	0.95	4.87
		17	1.81	1.81	0.19	0.34	3.59	3.59	0.39	0.68	5.26	5.26	0.56	1.62	7.05	7.05	0.76	3.26	8.91	8.91	0.96	4.89
		19	-	-	-	-	3.59	3.59	0.39	0.68	5.27	5.27	0.57	1.63	7.06	7.06	0.76	3.27	8.92	8.92	0.96	4.91
		20	-	-	-	-	3.66	3.63	0.39	0.69	5.27	5.27	0.57	1.63	7.07	7.07	0.76	3.28	8.93	8.93	0.96	4.92
	9	15	0.93	0.93	0.09	0.15	2.71	2.71	0.26	0.44	4.47	4.47	0.43	0.80	6.12	6.12	0.59	1.80	7.91	7.91	0.76	3.25
		17	0.93	0.93	0.09	0.15	2.72	2.72	0.26	0.44	4.48	4.48	0.43	0.80	6.13	6.13	0.59	1.81	7.93	7.93	0.76	3.27
		19	-	-	-	-	2.72	2.72	0.26	0.44	4.48	4.48	0.43	0.81	6.14	6.14	0.59	1.82	7.95	7.95	0.76	3.28
		20	-	-	-	-	2.72	2.71	0.26	0.44	4.49	4.49	0.43	0.81	6.15	6.15	0.59	1.83	7.96	7.96	0.76	3.29



**Heating Capacity:****Remark:** $\Delta t$ : Temperature Difference ( $^{\circ}\text{C}$ ); **TH**: Total Heating Capacity (kW);**WF**: Water Flow ( $\text{m}^3/\text{h}$ ); **WPD**: Water Pressure Drop (kPa)

MDVF-800D70E													
EWT	$\Delta T$	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
$^{\circ}\text{C}$	$^{\circ}\text{C}$	kW	$\text{m}^3/\text{h}$	kPa	kW	$\text{m}^3/\text{h}$	kPa	kW	$\text{m}^3/\text{h}$	kPa	kW	$\text{m}^3/\text{h}$	kPa
40	8	6.27	0.68	1.15	5.40	0.58	0.89	4.52	0.49	0.65	3.70	0.40	0.40
	10	5.25	0.45	0.55	4.44	0.38	0.36	3.70	0.32	0.22	2.93	0.25	0.15
	12	4.45	0.32	0.22	3.67	0.26	0.16	2.88	0.21	0.12	2.11	0.15	0.09
	14	3.61	0.22	0.13	2.83	0.17	0.11	2.06	0.13	0.08	1.32	0.08	0.05
	16	2.79	0.15	0.09	2.03	0.11	0.07	1.30	0.07	0.04	0.66	0.04	0.02
45	8	8.46	0.91	1.86	7.59	0.82	1.55	6.73	0.73	1.26	5.87	0.63	1.00
	10	7.50	0.65	1.04	6.62	0.57	0.84	5.74	0.50	0.66	4.87	0.42	0.48
	12	6.47	0.47	0.59	5.62	0.40	0.43	4.83	0.35	0.29	4.09	0.29	0.18
	14	5.59	0.34	0.27	4.84	0.30	0.19	4.06	0.25	0.14	3.27	0.20	0.11
	16	4.82	0.26	0.15	4.02	0.22	0.12	3.24	0.17	0.10	2.47	0.13	0.08
50	8	10.62	1.15	2.70	9.75	1.05	2.32	8.88	0.96	1.98	8.01	0.86	1.66
	10	9.69	0.84	1.58	8.82	0.76	1.35	7.95	0.69	1.13	7.09	0.61	0.93
	12	8.73	0.63	0.97	7.85	0.56	0.81	6.98	0.50	0.67	6.10	0.44	0.53
	14	7.73	0.48	0.61	6.84	0.42	0.48	6.00	0.37	0.35	5.22	0.32	0.24
	16	6.78	0.37	0.34	6.00	0.32	0.24	5.24	0.28	0.17	4.47	0.24	0.13
55	8	12.78	1.38	3.64	11.90	1.28	3.21	11.02	1.19	2.81	10.15	1.09	2.44
	10	11.88	1.03	2.19	10.97	0.95	1.92	10.11	0.87	1.67	9.25	0.80	1.43
	12	10.94	0.79	1.40	10.06	0.72	1.21	9.19	0.66	1.04	8.32	0.60	0.87
	14	10.00	0.62	0.93	9.11	0.56	0.79	8.24	0.51	0.67	7.36	0.45	0.55
	16	9.01	0.49	0.62	8.11	0.44	0.52	7.23	0.39	0.41	6.40	0.34	0.31
60	8	14.95	1.61	4.71	14.05	1.52	4.22	13.17	1.42	3.77	12.29	1.33	3.34
	10	14.04	1.21	2.87	13.15	1.14	2.57	12.27	1.06	2.27	11.40	0.98	2.00
	12	13.12	0.94	1.87	12.24	0.88	1.66	11.36	0.82	1.46	10.48	0.75	1.27
	14	12.20	0.75	1.27	11.30	0.70	1.12	10.44	0.64	0.97	9.57	0.59	0.84
	16	11.26	0.61	0.89	10.38	0.56	0.77	9.49	0.51	0.66	8.62	0.46	0.56

MDVF-1000D70E													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	7.61	0.82	2.40	6.61	0.71	1.89	5.61	0.61	1.43	4.62	0.50	1.02
	10	6.58	0.57	1.30	5.57	0.48	0.95	4.61	0.40	0.59	3.70	0.32	0.32
	12	5.57	0.40	0.58	4.64	0.33	0.36	3.70	0.27	0.24	2.76	0.20	0.18
	14	4.65	0.29	0.27	3.69	0.23	0.21	2.75	0.17	0.16	1.82	0.11	0.11
	16	3.70	0.20	0.19	2.76	0.15	0.14	1.83	0.10	0.10	0.91	0.05	0.05
45	8	10.07	1.09	3.78	9.06	0.98	3.15	8.06	0.87	2.58	7.07	0.76	2.06
	10	9.06	0.78	2.17	8.06	0.70	1.78	7.06	0.61	1.42	6.06	0.52	1.10
	12	8.04	0.58	1.31	7.03	0.51	1.05	6.03	0.43	0.76	5.08	0.37	0.49
	14	7.00	0.43	0.74	6.04	0.37	0.50	5.11	0.31	0.32	4.17	0.26	0.22
	16	6.08	0.33	0.35	5.13	0.28	0.25	4.18	0.23	0.20	3.23	0.17	0.15
50	8	12.52	1.35	5.39	11.50	1.24	4.65	10.49	1.13	3.96	9.49	1.02	3.33
	10	11.53	1.00	3.21	10.51	0.91	2.74	9.51	0.82	2.30	8.51	0.74	1.91
	12	10.52	0.76	2.02	9.51	0.68	1.70	8.51	0.61	1.40	7.51	0.54	1.14
	14	9.51	0.59	1.32	8.49	0.52	1.09	7.48	0.46	0.87	6.49	0.40	0.64
	16	8.47	0.46	0.86	7.47	0.40	0.65	6.51	0.35	0.45	5.58	0.30	0.30
55	8	14.97	1.61	7.19	13.94	1.50	6.35	12.92	1.39	5.56	11.91	1.28	4.83
	10	13.99	1.21	4.38	12.96	1.12	3.84	11.94	1.03	3.33	10.94	0.95	2.86
	12	13.00	0.93	2.83	11.97	0.86	2.45	10.96	0.79	2.11	9.95	0.72	1.79
	14	12.00	0.74	1.91	10.98	0.68	1.64	9.97	0.62	1.39	8.97	0.55	1.16
	16	10.99	0.59	1.32	9.96	0.54	1.11	8.95	0.48	0.93	7.94	0.43	0.75
60	8	17.43	1.88	9.25	16.38	1.77	8.30	15.35	1.66	7.40	14.33	1.55	6.56
	10	16.44	1.42	5.67	15.40	1.33	5.06	14.37	1.24	4.48	13.35	1.15	3.95
	12	15.45	1.11	3.73	14.41	1.04	3.31	13.39	0.96	2.91	12.38	0.89	2.54
	14	14.47	0.89	2.57	13.44	0.83	2.26	12.42	0.76	1.97	11.41	0.70	1.71
	16	13.47	0.73	1.82	12.44	0.67	1.59	11.43	0.62	1.37	10.42	0.56	1.17

MDVF-1200D70E													
EWT	$\Delta T$	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
$^{\circ}C$	$^{\circ}C$	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa
40	8	8.30	0.90	2.79	7.21	0.78	2.20	6.14	0.66	1.67	5.07	0.55	1.21
	10	7.21	0.62	1.52	6.12	0.53	1.14	5.07	0.44	0.75	4.05	0.35	0.41
	12	6.12	0.44	0.75	5.08	0.37	0.45	4.07	0.29	0.27	3.04	0.22	0.20
	14	5.11	0.31	0.31	4.07	0.25	0.23	3.04	0.19	0.18	2.02	0.12	0.12
	16	4.09	0.22	0.21	3.05	0.16	0.16	2.03	0.11	0.11	1.01	0.05	0.05
45	8	10.95	1.18	4.37	9.85	1.06	3.65	8.77	0.95	2.99	7.70	0.83	2.39
	10	9.88	0.85	2.52	8.79	0.76	2.06	7.71	0.67	1.65	6.63	0.57	1.28
	12	8.80	0.63	1.53	7.71	0.56	1.22	6.62	0.48	0.93	5.56	0.40	0.62
	14	7.69	0.47	0.92	6.62	0.41	0.64	5.59	0.34	0.40	4.57	0.28	0.25
	16	6.66	0.36	0.44	5.63	0.30	0.29	4.59	0.25	0.22	3.56	0.19	0.17
50	8	13.59	1.47	6.22	12.49	1.35	5.36	11.39	1.23	4.57	10.31	1.11	3.85
	10	12.54	1.08	3.71	11.43	0.99	3.17	10.34	0.89	2.66	9.26	0.80	2.21
	12	11.47	0.82	2.34	10.36	0.75	1.97	9.27	0.67	1.63	8.20	0.59	1.32
	14	10.39	0.64	1.53	9.29	0.57	1.27	8.20	0.51	1.03	7.12	0.44	0.79
	16	9.30	0.50	1.02	8.20	0.44	0.80	7.13	0.39	0.57	6.10	0.33	0.38
55	8	16.24	1.75	8.30	15.12	1.63	7.32	14.01	1.51	6.41	12.91	1.39	5.57
	10	15.19	1.31	5.06	14.07	1.22	4.43	12.97	1.12	3.85	11.87	1.03	3.30
	12	14.12	1.02	3.26	13.01	0.94	2.83	11.91	0.86	2.44	10.82	0.78	2.07
	14	13.06	0.81	2.21	11.95	0.74	1.90	10.86	0.67	1.61	9.77	0.60	1.35
	16	11.98	0.65	1.53	10.88	0.59	1.30	9.78	0.53	1.08	8.69	0.47	0.89
60	8	18.88	2.03	10.60	17.75	1.92	9.56	16.63	1.80	8.52	15.52	1.68	7.56
	10	17.83	1.54	6.53	16.70	1.44	5.83	15.58	1.34	5.16	14.48	1.25	4.55
	12	16.78	1.21	4.32	15.65	1.12	3.81	14.53	1.04	3.36	13.44	0.97	2.93
	14	15.72	0.97	2.96	14.60	0.90	2.61	13.49	0.83	2.28	12.40	0.76	1.97
	16	14.65	0.79	2.10	13.54	0.73	1.84	12.43	0.67	1.59	11.34	0.61	1.36

MDVF-1400D70E													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	8.93	0.96	4.22	7.77	0.84	3.33	6.63	0.71	2.54	5.49	0.59	1.85
	10	7.80	0.67	2.32	6.65	0.57	1.77	5.50	0.47	1.22	4.39	0.38	0.68
	12	6.66	0.48	1.23	5.53	0.40	0.75	4.42	0.32	0.42	3.30	0.24	0.29
	14	5.56	0.34	0.50	4.43	0.27	0.35	3.31	0.20	0.26	2.20	0.14	0.17
	16	4.46	0.24	0.32	3.33	0.18	0.24	2.22	0.12	0.16	1.11	0.06	0.08
45	8	11.74	1.27	6.59	10.57	1.14	5.50	9.41	1.01	4.50	8.26	0.89	3.60
	10	10.62	0.92	3.81	9.45	0.82	3.12	8.30	0.72	2.50	7.15	0.62	1.94
	12	9.49	0.68	2.33	8.33	0.60	1.87	7.17	0.52	1.45	6.03	0.43	1.01
	14	8.35	0.51	1.45	7.19	0.44	1.04	6.06	0.37	0.67	4.95	0.31	0.39
	16	7.23	0.39	0.73	6.10	0.33	0.46	4.98	0.27	0.32	3.86	0.21	0.25
50	8	14.55	1.57	9.34	13.36	1.44	8.05	12.19	1.31	6.87	11.03	1.19	5.78
	10	13.43	1.16	5.58	12.25	1.06	4.76	11.08	0.96	4.01	9.92	0.86	3.32
	12	12.31	0.88	3.53	11.13	0.80	2.97	9.97	0.72	2.46	8.82	0.63	2.00
	14	11.18	0.69	2.32	10.01	0.62	1.92	8.85	0.55	1.56	7.70	0.47	1.23
	16	10.05	0.54	1.56	8.88	0.48	1.26	7.73	0.42	0.93	6.60	0.36	0.61
55	8	17.35	1.87	12.44	16.15	1.74	10.97	14.96	1.61	9.60	13.79	1.49	8.33
	10	16.24	1.40	7.59	15.04	1.30	6.65	13.86	1.20	5.77	12.69	1.10	4.95
	12	15.12	1.09	4.91	13.93	1.00	4.26	12.75	0.92	3.66	11.59	0.83	3.11
	14	14.00	0.86	3.33	12.82	0.79	2.86	11.64	0.72	2.43	10.48	0.65	2.03
	16	12.87	0.69	2.31	11.69	0.63	1.96	10.52	0.57	1.64	9.37	0.51	1.35
60	8	20.17	2.18	15.95	18.95	2.04	14.23	17.74	1.91	12.69	16.55	1.78	11.23
	10	19.05	1.64	9.78	17.84	1.54	8.72	16.64	1.43	7.73	15.46	1.33	6.80
	12	17.93	1.29	6.47	16.73	1.20	5.74	15.54	1.12	5.05	14.36	1.03	4.41
	14	16.82	1.04	4.45	15.60	0.96	3.92	14.43	0.89	3.42	13.25	0.82	2.96
	16	15.69	0.85	3.16	14.49	0.78	2.76	13.31	0.72	2.39	12.15	0.65	2.04

MDVF-1600D100E													
EWT	$\Delta T$	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
$^{\circ}\text{C}$	$^{\circ}\text{C}$	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa
40	8	11.34	1.22	6.66	9.88	1.07	5.25	8.43	0.91	4.00	6.99	0.75	2.91
	10	9.91	0.86	3.63	8.44	0.73	2.77	6.98	0.60	2.01	5.53	0.48	1.29
	12	8.44	0.61	2.05	6.96	0.50	1.43	5.55	0.40	0.81	4.20	0.30	0.40
	14	6.96	0.43	0.95	5.60	0.35	0.53	4.21	0.26	0.34	2.81	0.17	0.23
	16	5.64	0.30	0.42	4.23	0.23	0.31	2.83	0.15	0.21	1.43	0.08	0.11
45	8	14.94	1.61	10.46	13.46	1.45	8.73	12.00	1.29	7.16	10.55	1.14	5.73
	10	13.52	1.17	6.03	12.05	1.04	4.94	10.58	0.91	3.96	9.13	0.79	3.08
	12	12.09	0.87	3.68	10.61	0.76	2.95	9.15	0.66	2.29	7.69	0.55	1.71
	14	10.62	0.65	2.28	9.14	0.56	1.77	7.67	0.47	1.27	6.25	0.39	0.77
	16	9.13	0.49	1.38	7.69	0.42	0.91	6.31	0.34	0.54	4.93	0.27	0.33
50	8	18.53	2.00	14.89	17.03	1.84	12.86	15.55	1.68	10.97	14.09	1.52	9.24
	10	17.13	1.48	8.89	15.64	1.35	7.59	14.16	1.22	6.40	12.69	1.10	5.30
	12	15.70	1.13	5.60	14.22	1.02	4.72	12.74	0.92	3.91	11.28	0.81	3.18
	14	14.27	0.88	3.67	12.79	0.79	3.04	11.31	0.70	2.47	9.85	0.61	1.95
	16	12.83	0.69	2.46	11.34	0.61	2.00	9.86	0.53	1.58	8.39	0.45	1.17
55	8	22.13	2.39	20.00	20.61	2.23	17.67	19.11	2.07	15.48	17.63	1.90	13.38
	10	20.73	1.79	12.14	19.22	1.66	10.64	17.73	1.53	9.24	16.25	1.40	7.95
	12	19.31	1.39	7.83	17.81	1.28	6.81	16.32	1.17	5.85	14.85	1.07	4.97
	14	17.90	1.10	5.31	16.41	1.01	4.57	14.92	0.92	3.88	13.45	0.83	3.25
	16	16.46	0.89	3.67	14.96	0.81	3.12	13.48	0.73	2.61	12.01	0.65	2.14
60	8	25.72	2.77	25.49	24.19	2.61	22.87	22.68	2.44	20.41	21.17	2.28	18.10
	10	24.32	2.10	15.75	22.81	1.97	14.07	21.29	1.84	12.42	19.80	1.71	10.94
	12	22.93	1.65	10.37	21.41	1.54	9.20	19.90	1.43	8.11	18.41	1.33	7.09
	14	21.51	1.32	7.12	20.00	1.23	6.28	18.50	1.14	5.48	17.02	1.05	4.75
	16	20.10	1.08	5.07	18.59	1.00	4.43	17.10	0.92	3.84	15.60	0.84	3.27

MDVF-1800D100E													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	14.54	1.57	10.26	12.67	1.37	8.05	10.83	1.17	6.14	9.00	0.97	4.47
	10	12.71	1.10	5.56	10.85	0.94	4.24	9.00	0.78	3.08	7.14	0.62	2.08
	12	10.86	0.78	3.14	8.97	0.65	2.27	7.07	0.51	1.48	5.31	0.38	0.72
	14	8.87	0.55	1.71	7.05	0.43	0.99	5.37	0.33	0.49	3.61	0.22	0.29
	16	7.13	0.39	0.70	5.41	0.29	0.40	3.63	0.20	0.26	1.84	0.10	0.14
45	8	19.14	2.06	16.07	17.26	1.86	13.43	15.40	1.66	11.02	13.55	1.46	8.83
	10	17.34	1.50	9.25	15.47	1.34	7.60	13.61	1.17	6.09	11.77	1.02	4.74
	12	15.54	1.12	5.64	13.66	0.98	4.53	11.80	0.85	3.52	9.94	0.72	2.63
	14	13.67	0.84	3.50	11.79	0.73	2.72	9.91	0.61	2.02	8.01	0.49	1.40
	16	11.78	0.64	2.19	9.86	0.53	1.61	8.00	0.43	1.02	6.29	0.34	0.53
50	8	23.74	2.57	23.05	21.84	2.35	19.82	19.96	2.15	16.94	18.10	1.95	14.28
	10	21.97	1.90	13.69	20.08	1.74	11.71	18.20	1.57	9.87	16.35	1.41	8.19
	12	20.16	1.45	8.62	18.28	1.31	7.27	16.40	1.18	6.03	14.55	1.05	4.91
	14	18.36	1.13	5.65	16.47	1.02	4.69	14.60	0.90	3.81	12.74	0.78	3.02
	16	16.53	0.89	3.79	14.64	0.79	3.08	12.76	0.69	2.44	10.88	0.59	1.86
55	8	28.34	3.05	30.74	26.42	2.85	27.18	24.52	2.64	23.82	22.66	2.45	20.83
	10	26.58	2.29	18.65	24.66	2.13	16.37	22.77	1.96	14.23	20.91	1.81	12.31
	12	24.79	1.78	12.08	22.89	1.65	10.51	21.00	1.51	9.05	19.13	1.38	7.70
	14	23.03	1.42	8.19	21.11	1.30	7.06	19.24	1.19	6.00	17.37	1.07	5.03
	16	21.21	1.15	5.68	19.30	1.04	4.81	17.41	0.94	4.03	15.54	0.84	3.32
60	8	32.96	3.55	39.51	31.02	3.34	35.50	29.13	3.14	31.82	27.20	2.93	28.10
	10	31.21	2.70	24.37	29.27	2.53	21.77	27.36	2.36	19.34	25.47	2.20	17.05
	12	29.44	2.12	16.04	27.52	1.98	14.25	25.61	1.84	12.57	23.72	1.71	10.99
	14	27.65	1.70	11.01	25.74	1.59	9.71	23.83	1.47	8.50	21.95	1.35	7.36
	16	25.88	1.40	7.84	23.96	1.29	6.86	22.07	1.19	5.94	20.18	1.09	5.10

MDVF-2200D100E													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa	kW	m <sup>3</sup> /h	kPa
40	8	15.95	1.72	12.05	13.92	1.50	9.51	11.89	1.28	7.21	9.88	1.07	5.25
	10	13.97	1.21	6.54	11.94	1.03	4.99	9.92	0.86	3.63	7.89	0.68	2.46
	12	11.97	0.86	3.71	9.92	0.71	2.70	7.86	0.57	1.82	5.85	0.42	0.93
	14	9.86	0.61	2.07	7.80	0.48	1.28	5.91	0.36	0.61	4.00	0.25	0.32
	16	7.86	0.42	0.91	5.98	0.32	0.46	4.02	0.22	0.29	2.05	0.11	0.15
45	8	20.96	2.26	18.84	18.90	2.04	15.74	16.87	1.82	12.91	14.86	1.60	10.35
	10	19.01	1.64	10.86	16.97	1.46	8.91	14.94	1.29	7.15	12.92	1.11	5.57
	12	17.06	1.23	6.63	15.01	1.08	5.32	12.98	0.93	4.15	10.95	0.79	3.10
	14	15.05	0.93	4.13	12.99	0.80	3.21	10.94	0.67	2.40	8.89	0.55	1.69
	16	13.01	0.70	2.59	10.93	0.59	1.93	8.85	0.48	1.29	6.91	0.37	0.69
50	8	25.98	2.81	27.00	23.90	2.58	23.34	21.84	2.35	19.84	19.81	2.14	16.72
	10	24.05	2.08	16.05	21.99	1.90	13.72	19.94	1.72	11.57	17.91	1.55	9.60
	12	22.10	1.59	10.11	20.03	1.44	8.53	17.99	1.29	7.08	15.97	1.15	5.76
	14	20.14	1.24	6.64	18.08	1.11	5.51	16.04	0.99	4.48	14.00	0.86	3.55
	16	18.16	0.98	4.44	16.11	0.87	3.63	14.05	0.76	2.87	12.00	0.65	2.20
55	8	31.01	3.34	36.10	28.90	3.11	31.82	26.83	2.89	27.91	24.76	2.67	24.24
	10	29.08	2.51	21.84	26.99	2.33	19.17	24.92	2.15	16.67	22.87	1.97	14.34
	12	27.16	1.96	14.21	25.06	1.80	12.31	23.00	1.65	10.60	20.95	1.51	9.02
	14	25.23	1.56	9.60	23.13	1.43	8.27	21.09	1.30	7.04	19.05	1.18	5.90
	16	23.26	1.26	6.66	21.18	1.14	5.67	19.11	1.03	4.73	17.06	0.92	3.90
60	8	36.04	3.89	46.40	33.90	3.65	41.44	31.81	3.43	37.12	29.74	3.21	33.04
	10	34.11	2.94	28.46	32.03	2.77	25.50	29.92	2.58	22.64	27.85	2.41	19.95
	12	32.20	2.31	18.72	30.11	2.17	16.69	28.02	2.02	14.71	25.95	1.87	12.87
	14	30.25	1.86	12.90	28.17	1.74	11.37	26.09	1.61	9.95	24.03	1.48	8.62
	16	28.34	1.53	9.18	26.25	1.42	8.04	24.17	1.30	6.97	22.11	1.19	5.97

**Altitude modification coefficient table:**

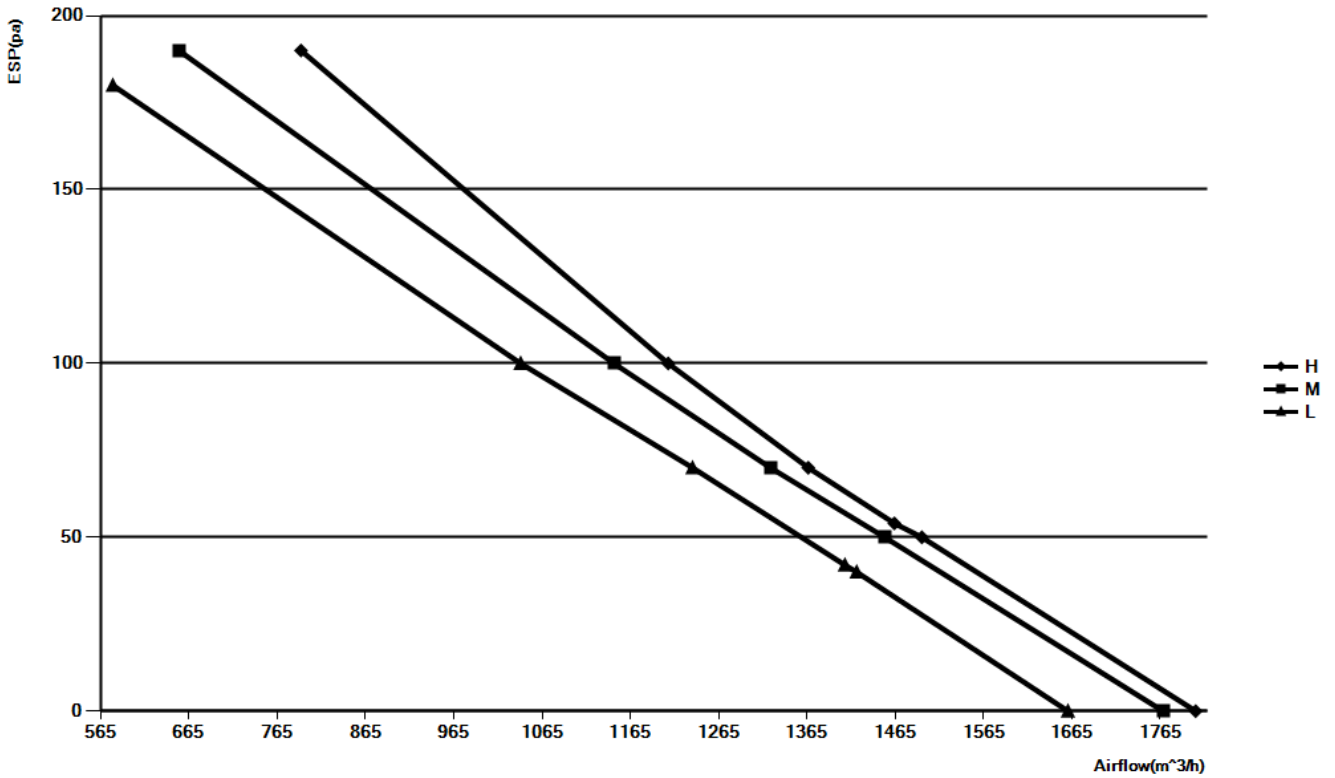
Altitude	TC	SC	TH
500	0.98	0.95	0.95
1000	0.97	0.91	0.91
1500	0.95	0.86	0.86
2000	0.94	0.82	0.82
2500	0.93	0.78	0.78
3000	0.91	0.74	0.7

### 10. Static Pressure Graph and sound Levels

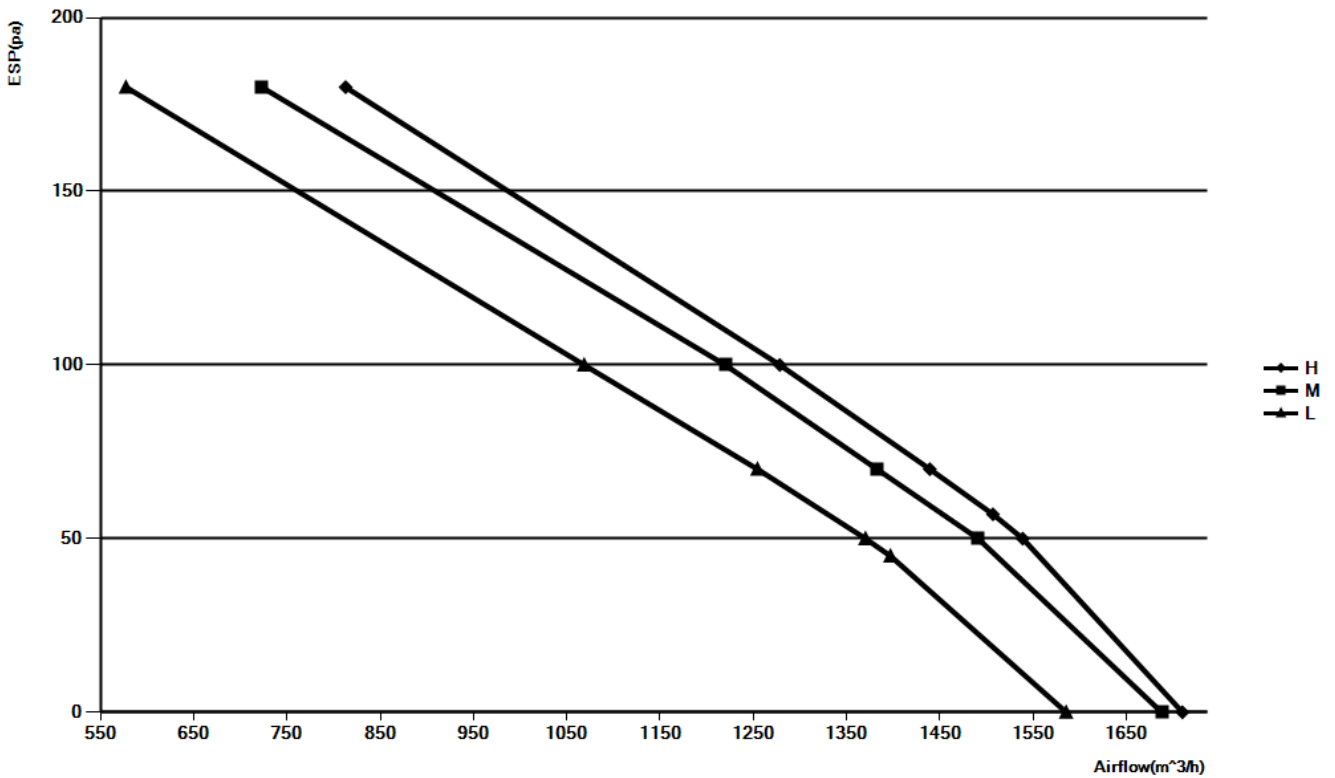
How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m<sup>3</sup>/h).

#### MDVF-800D70E

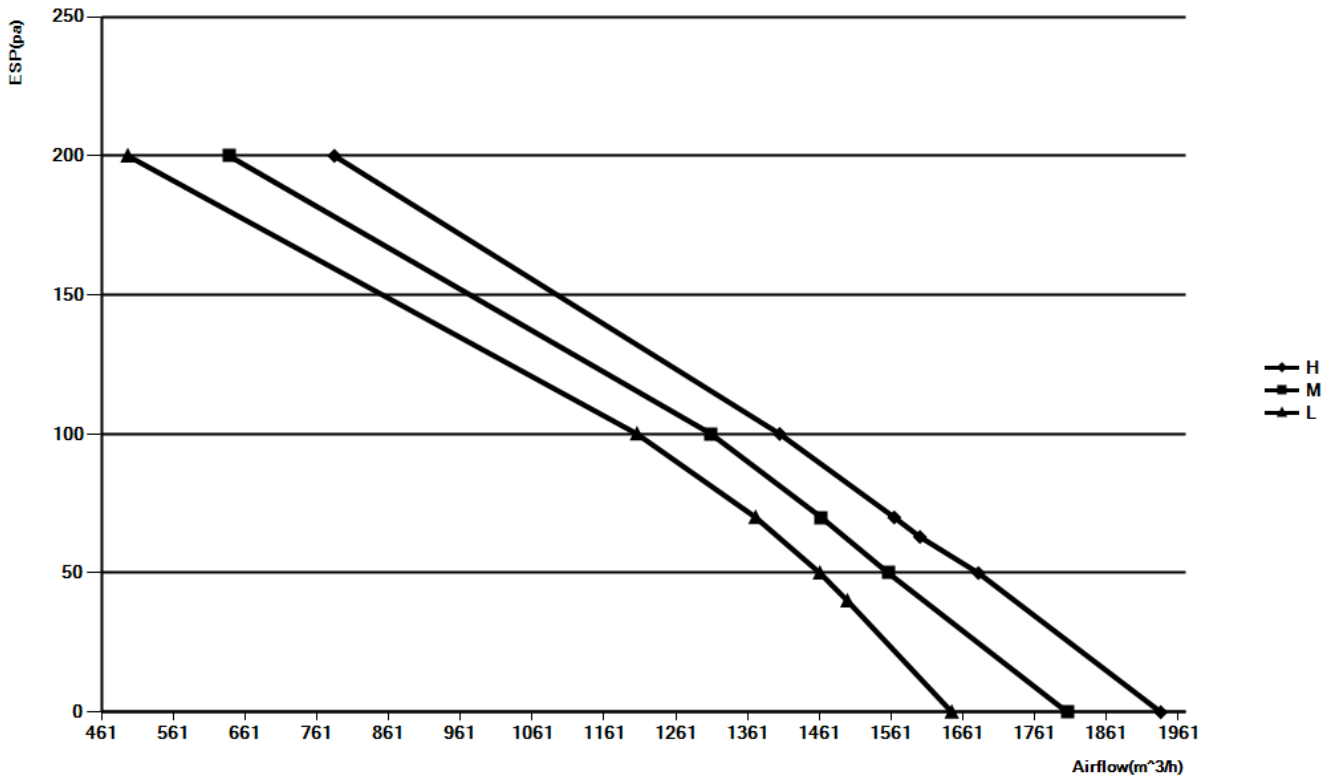


#### MDVF-1000D70E

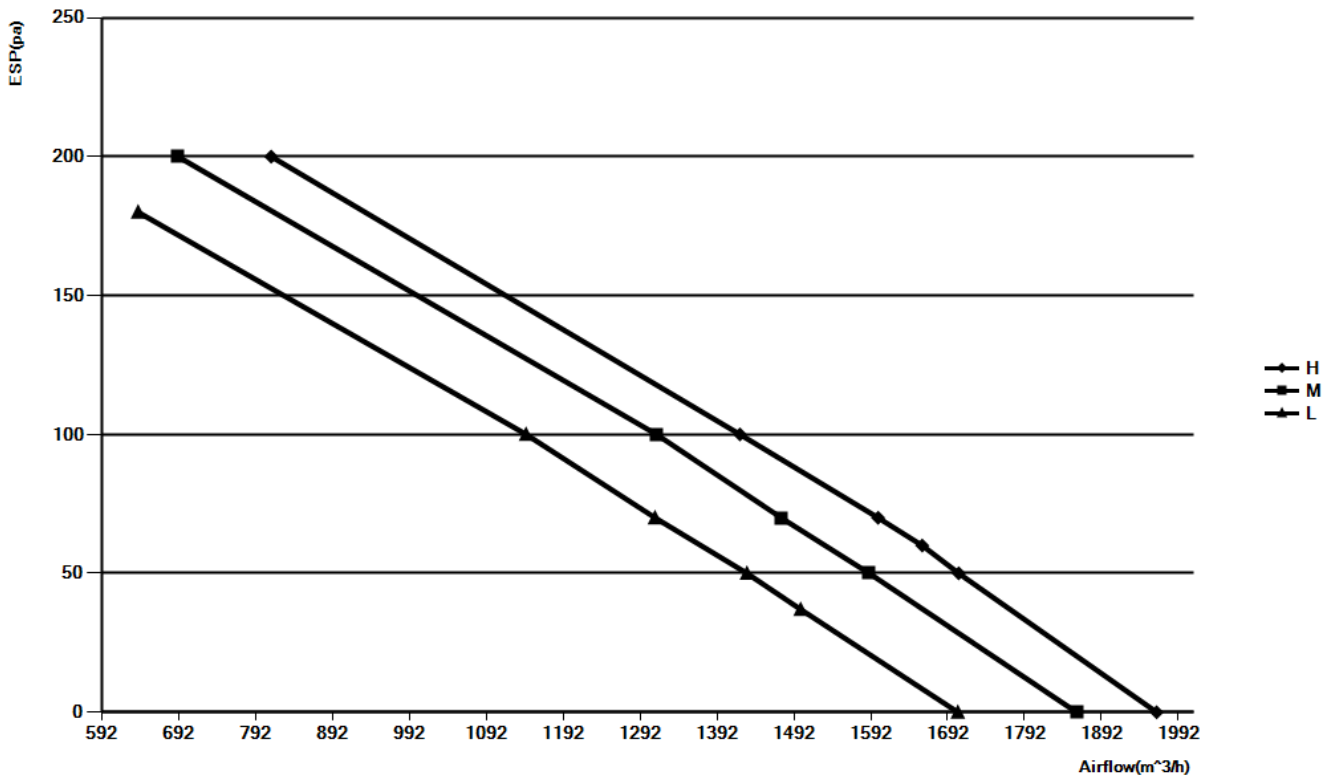




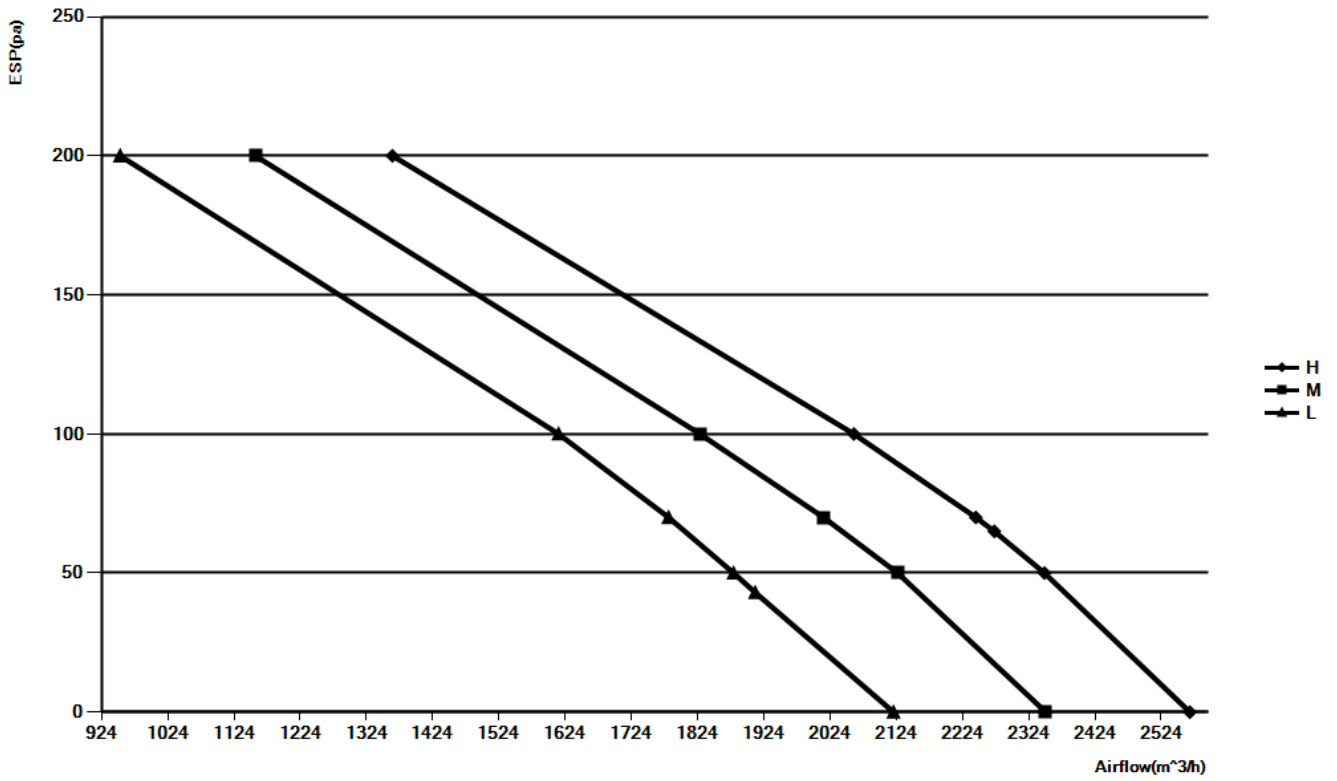
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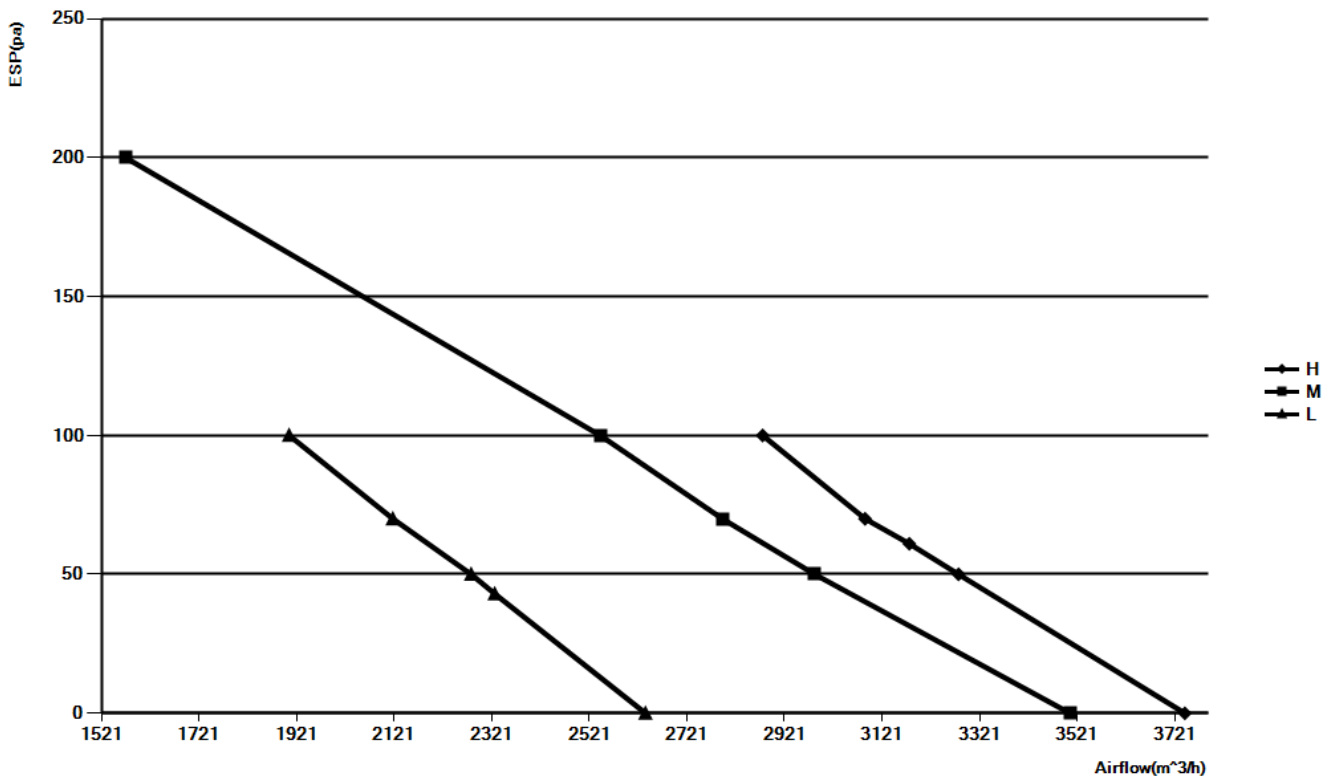
**MDVF-1400D70E**



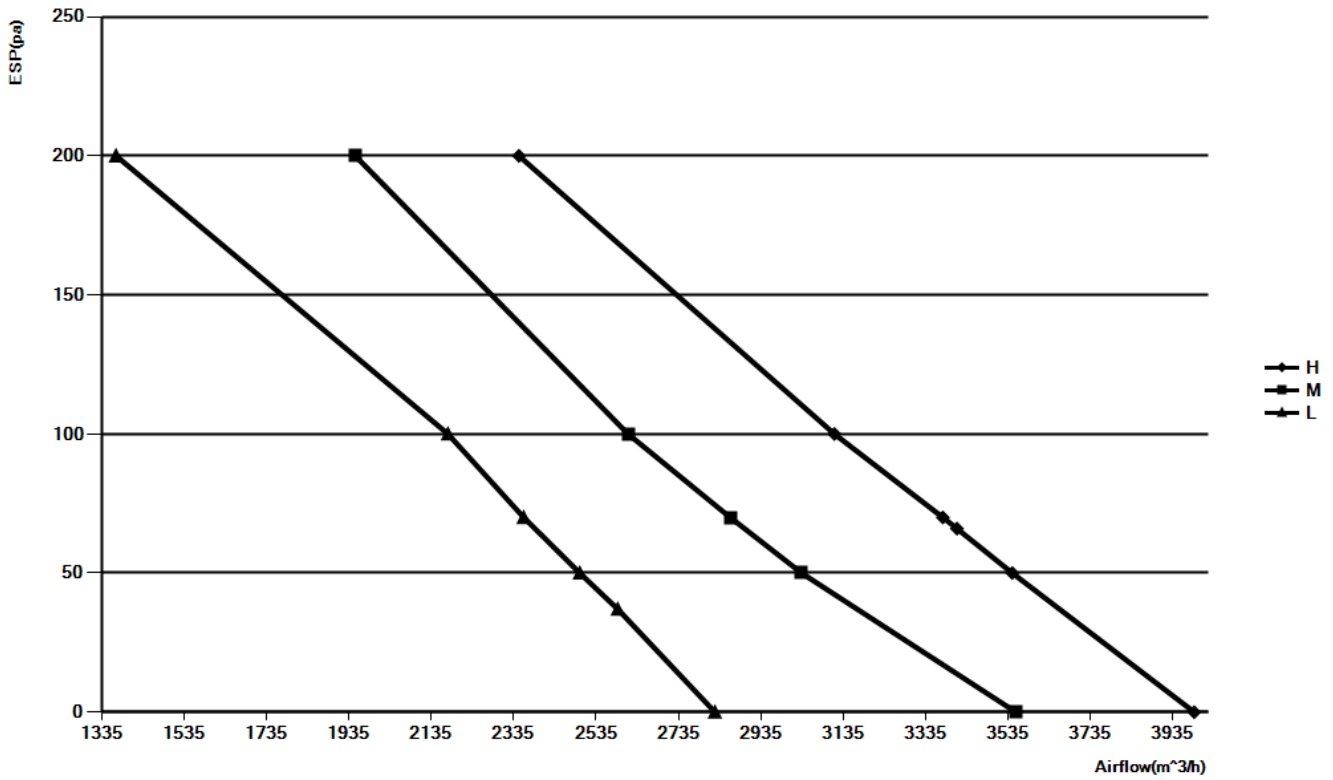
**MDVF-1600D100E**



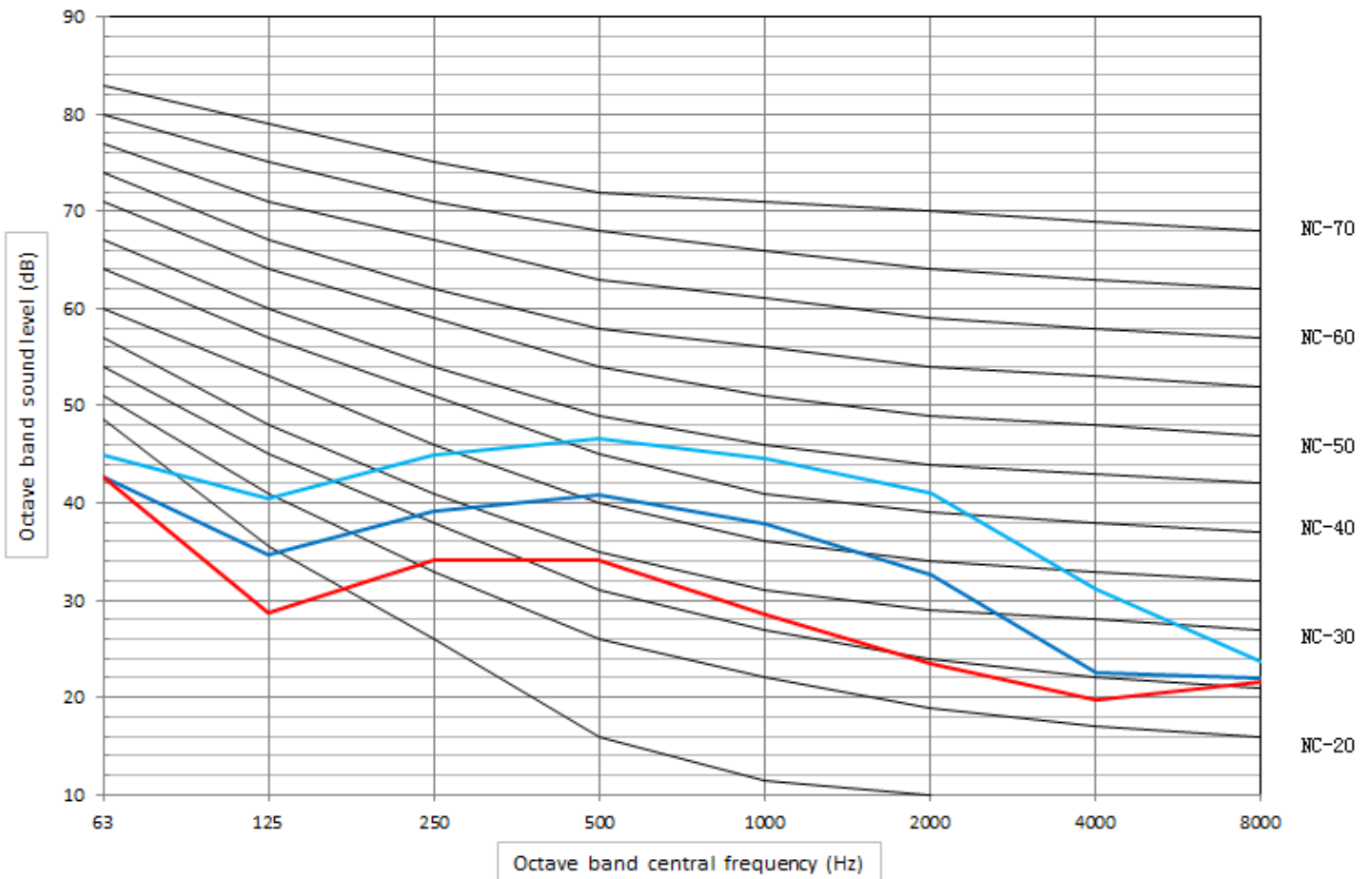
**MDVF-1800D100E**



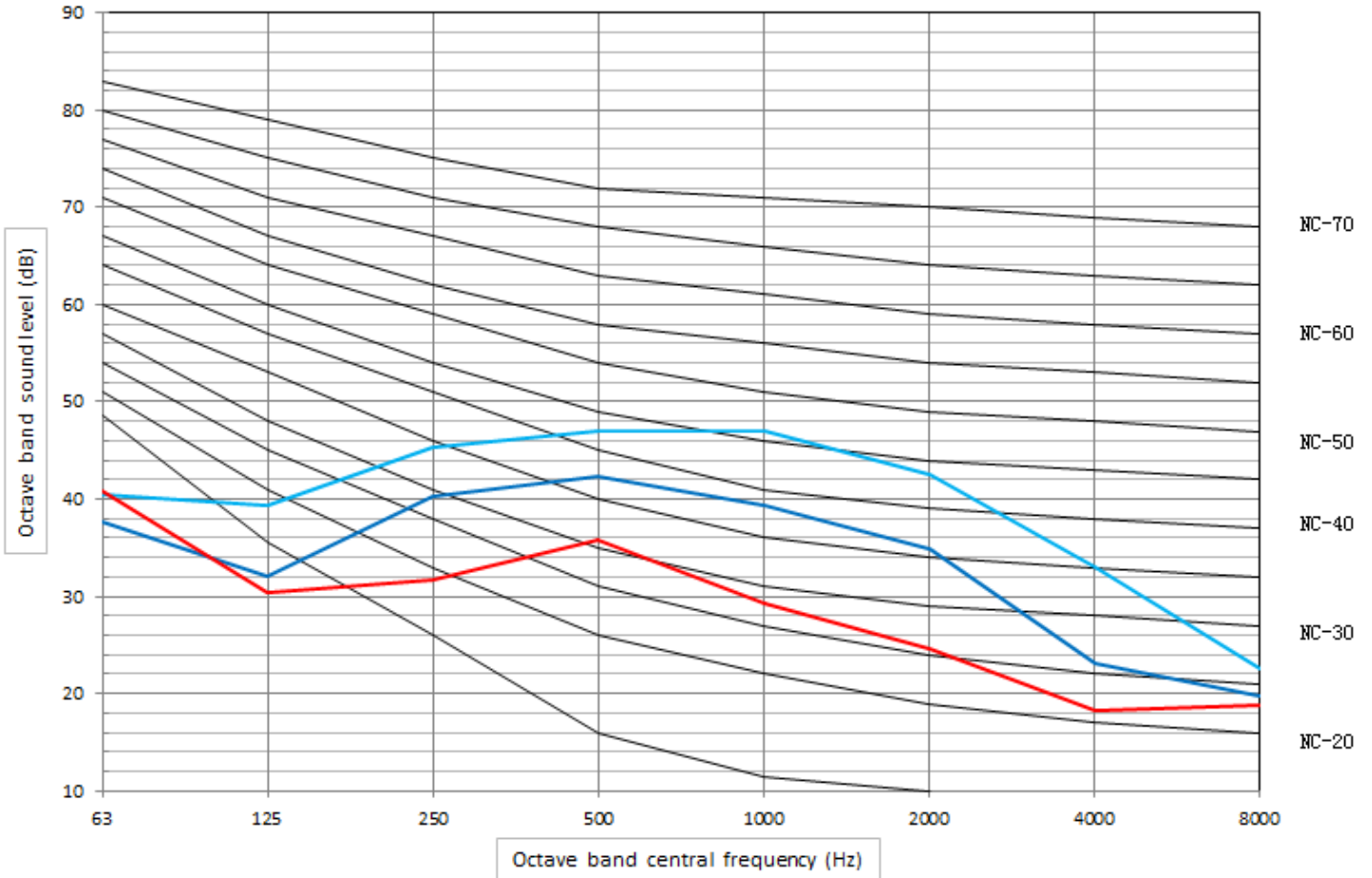
**MDVF-2200D100E**



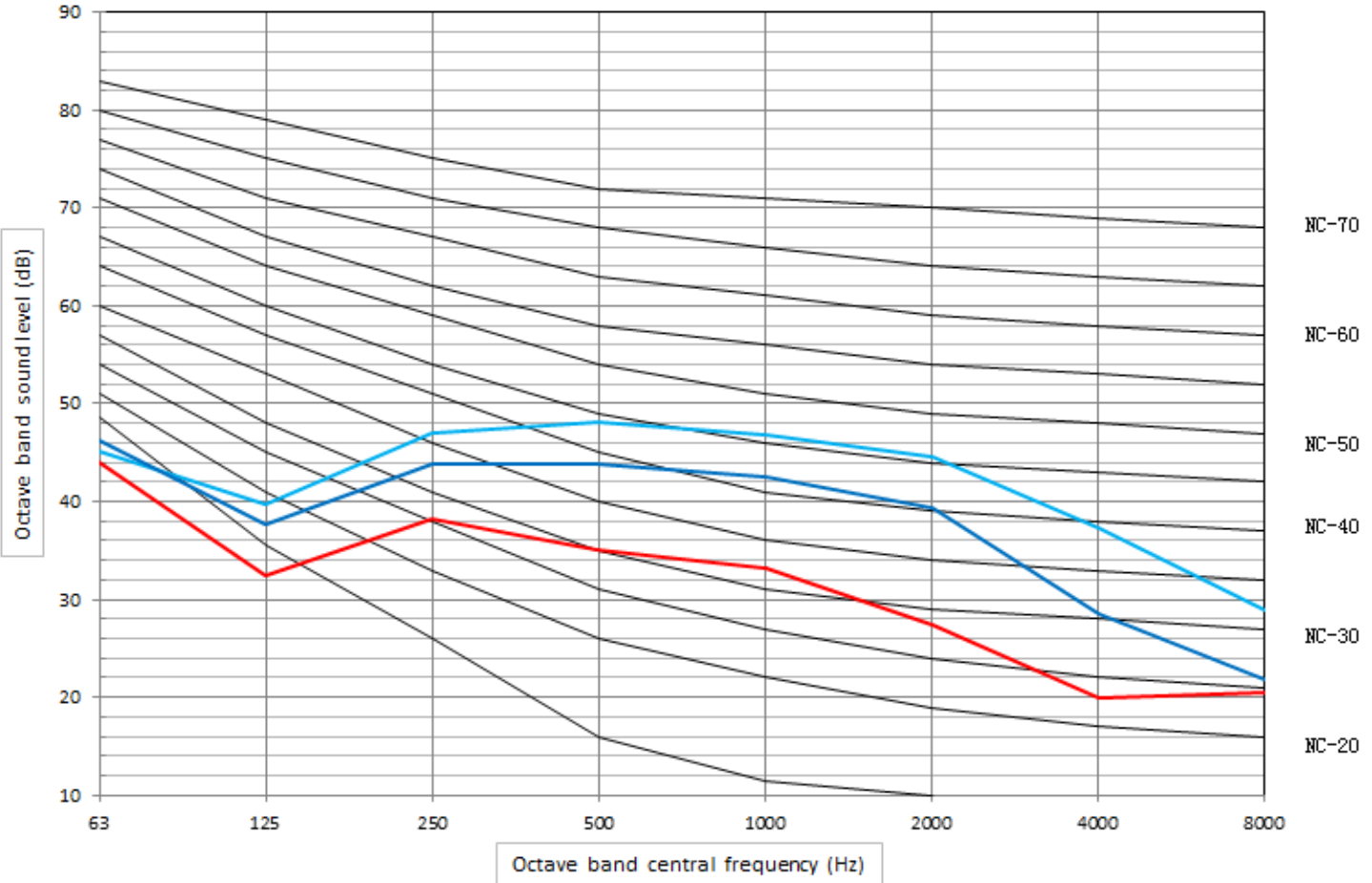
**MDVF-800D70E**



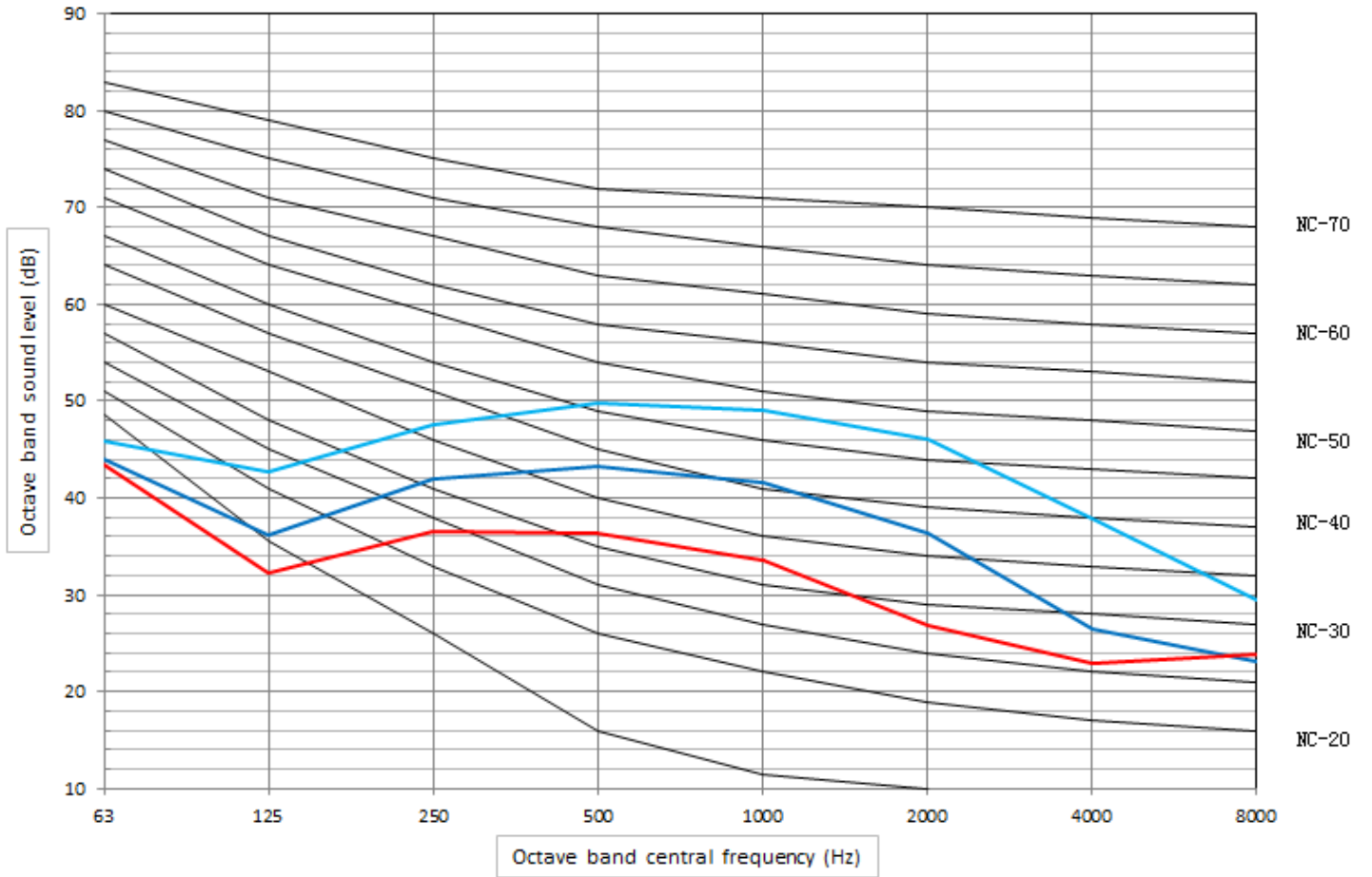
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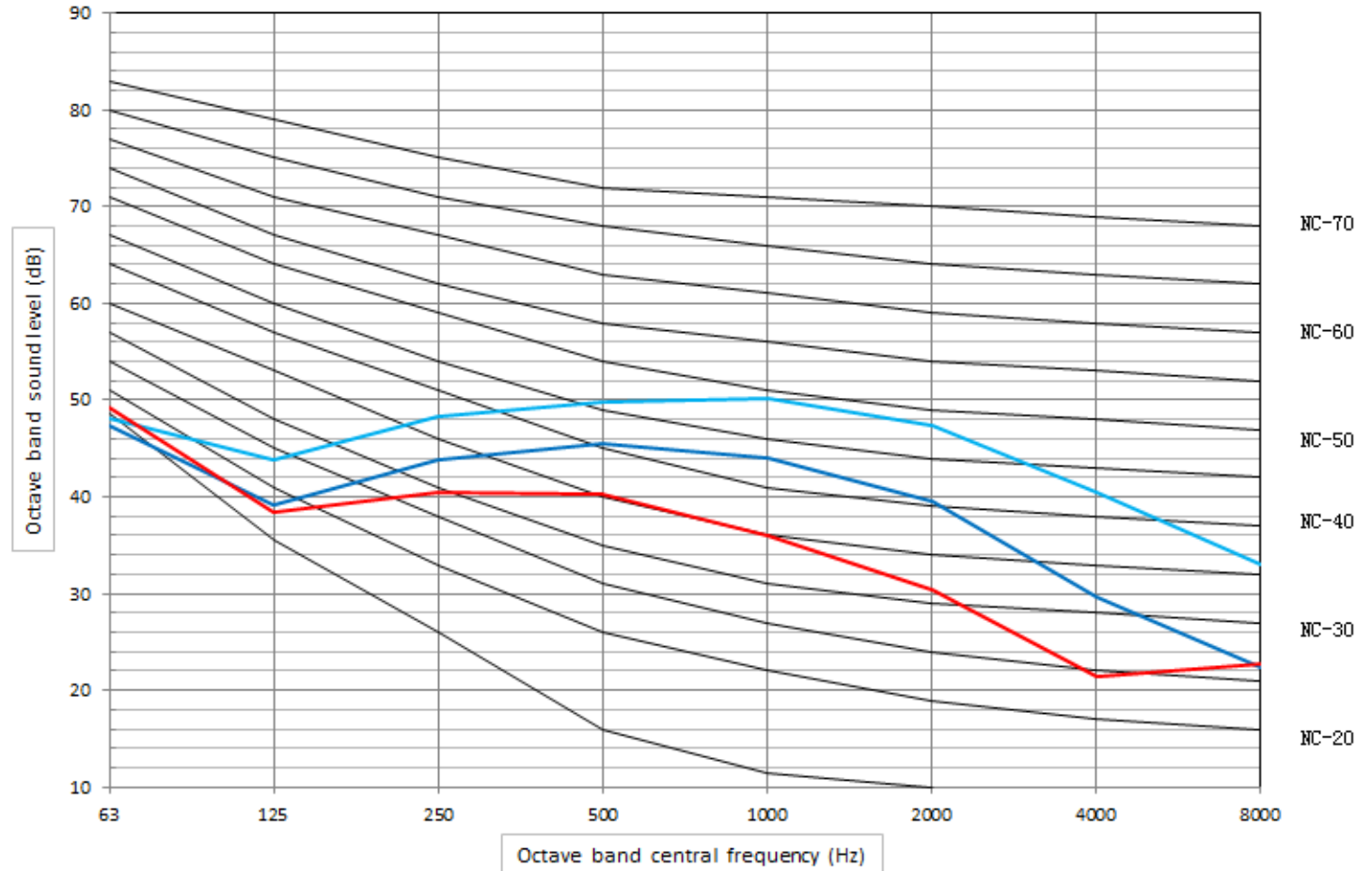
**MDVF-1200D70E**



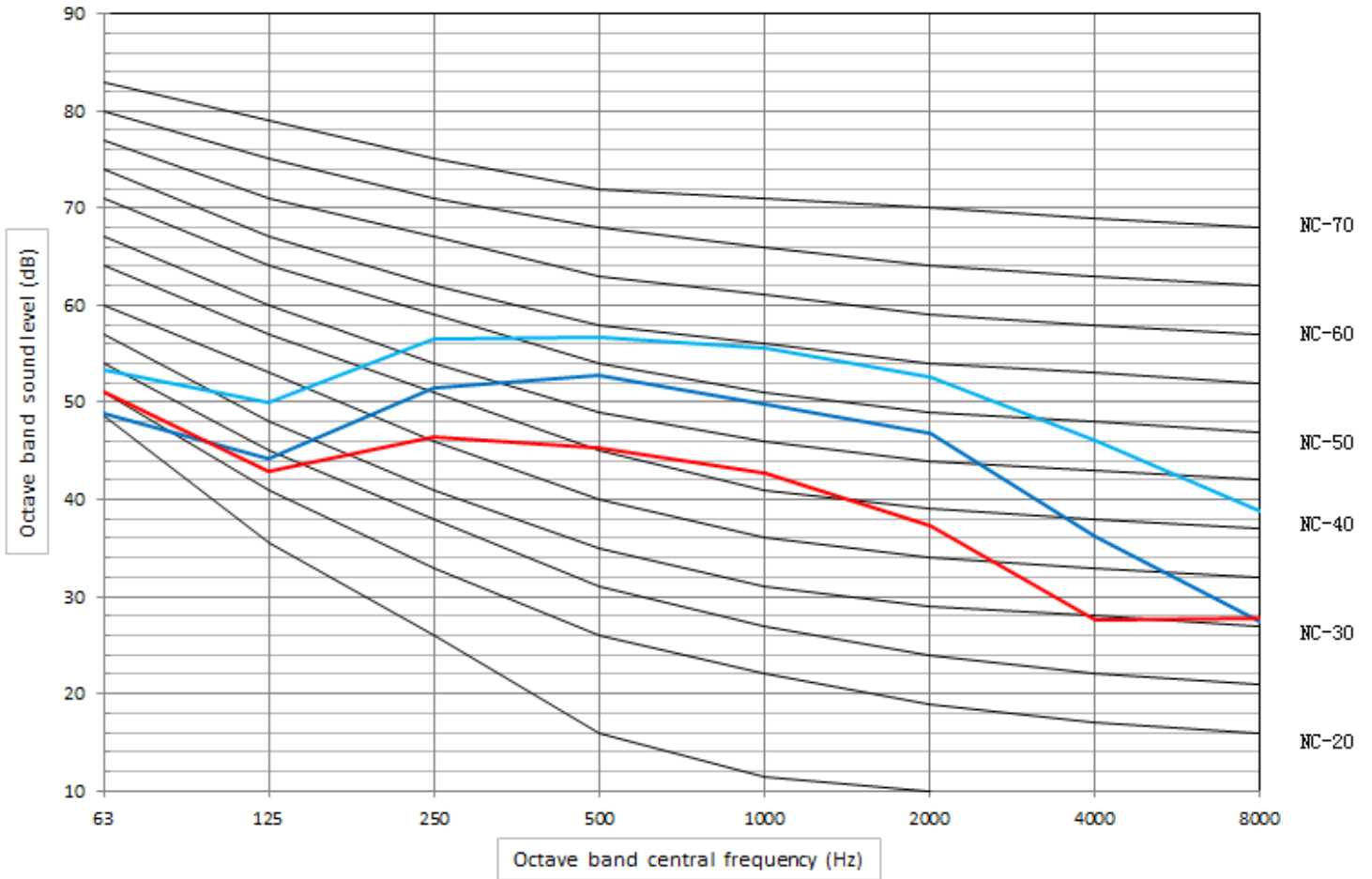
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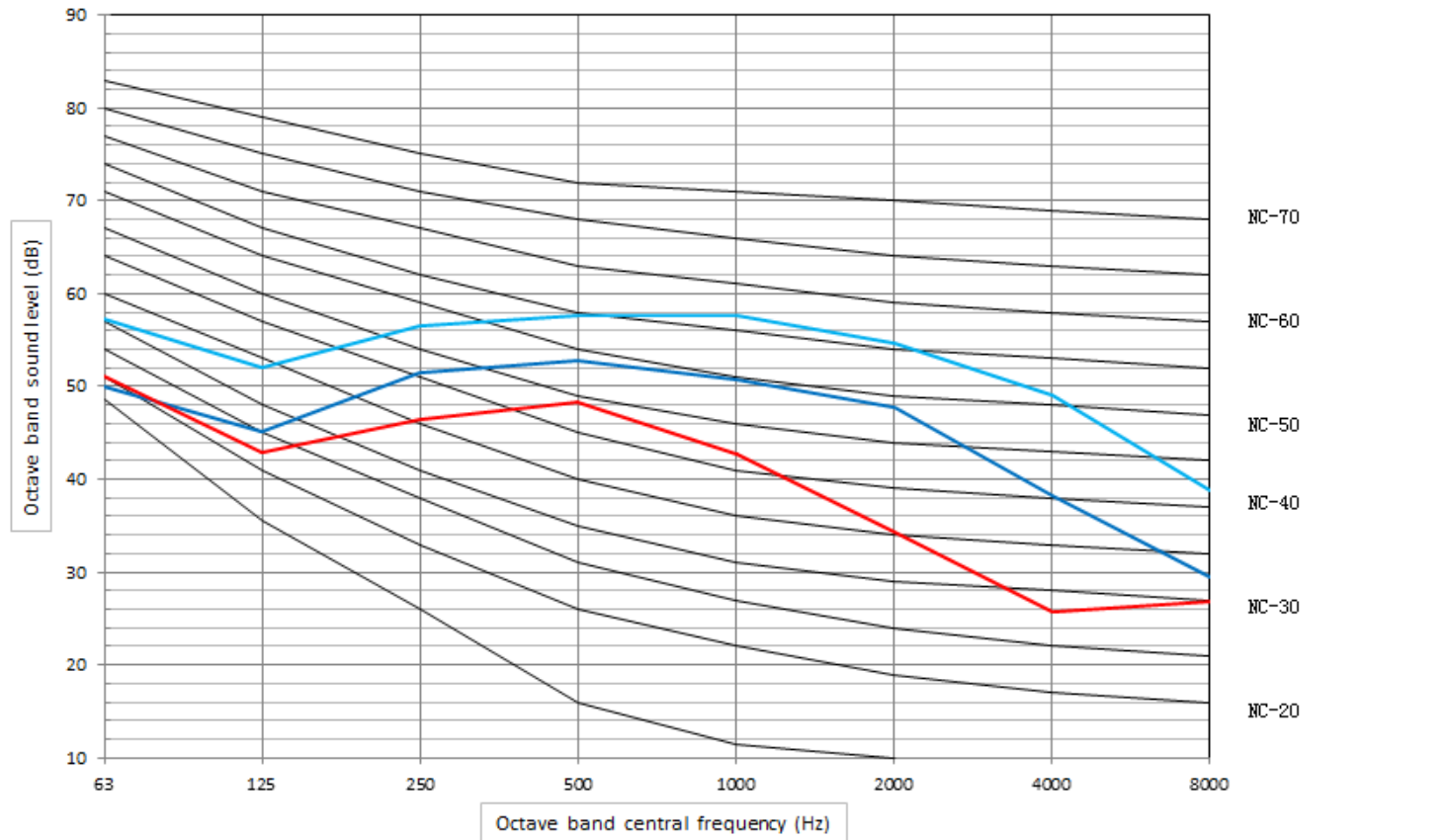
**MDVF-1600D100E**



**MDVF-1800D100E**

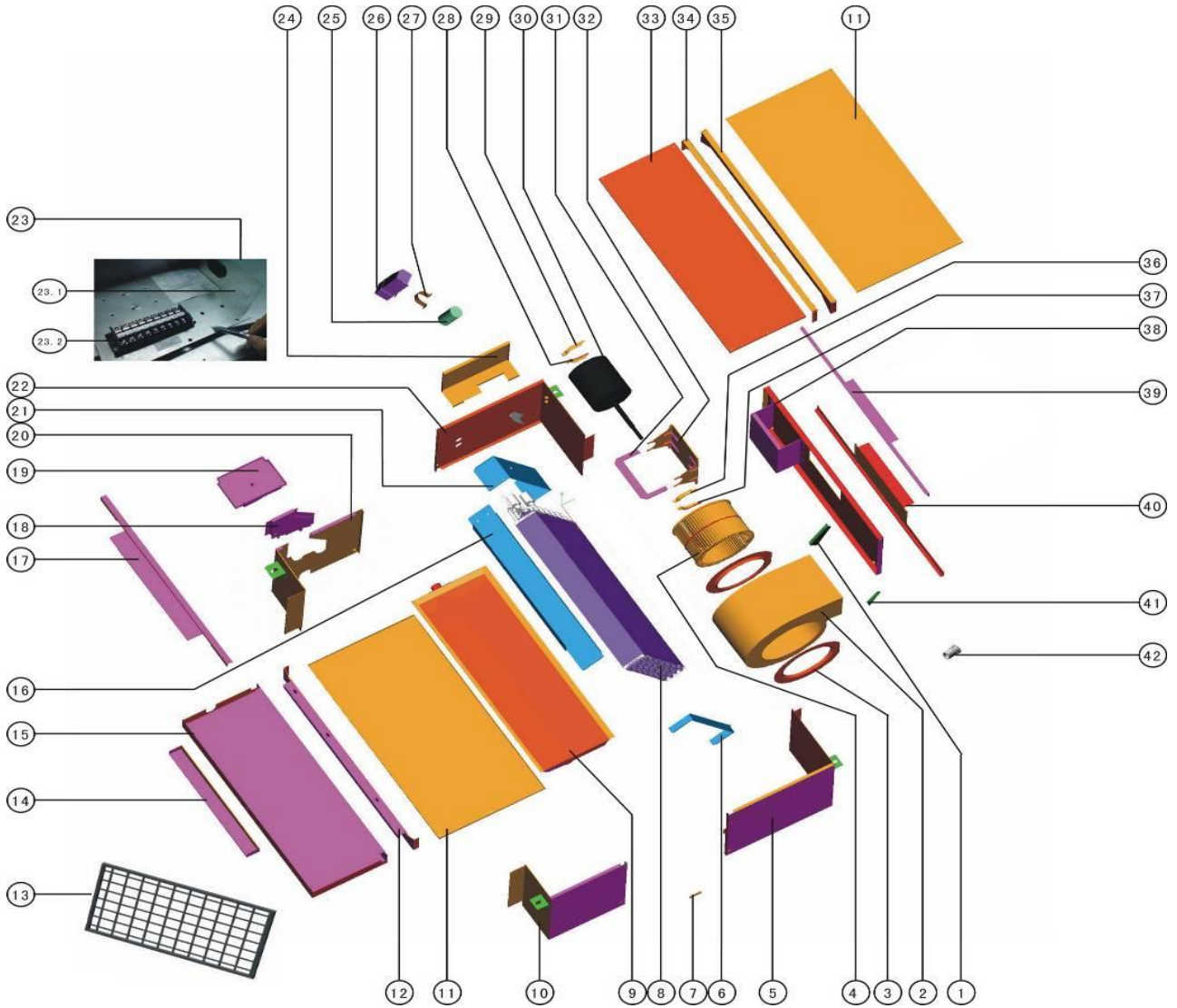


**MDVF-2200D100E**



### 11. Exploded View

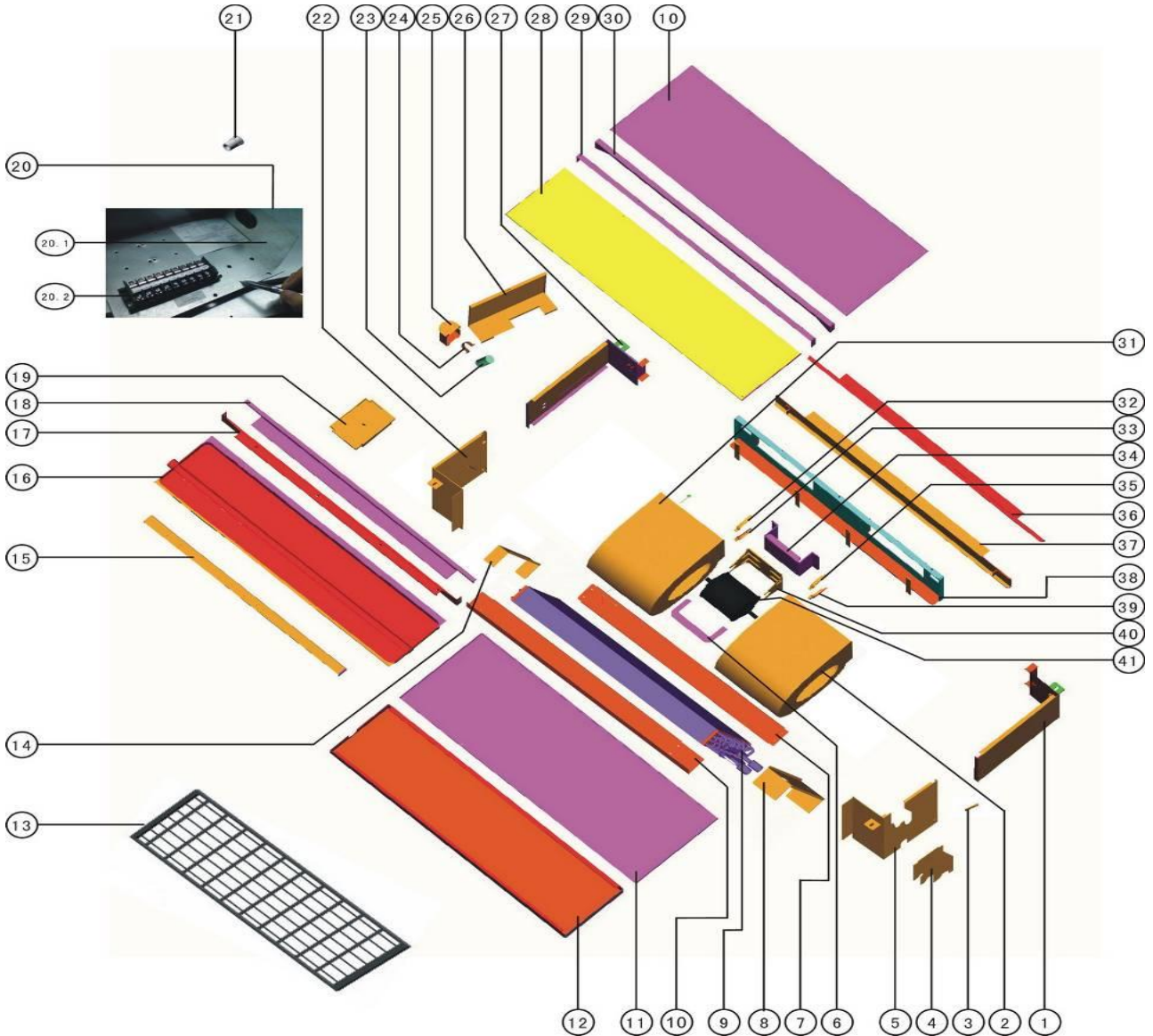
MDVF-800D70E MDVF-1000D70E MDVF-1200D70E MDVF-1400D70E



No.	Part Name	Qua.	No.	Part Name	Qua.	No.	Part Name	Qua.
1	Right fixing board	1	16	Baffle	1	29	Motor up cover	1
2	Volute shell ass'y	1	17	Back upside board ass'y	1	30	Fan motor	1
3	Wind ring ass'y	2	18	Cover plate ass'y	1	31	Board	1
4	Centrifugal fan ass'y	1	19	Drainage pan	1	32	Motor bracket	1
5	Side board ass'y	1	20	Clapboard ass'y	1	33	Rear cover ass'y	1
6	Evaporator left clapboard	1	21	Evaporator right clapboard	1	34	Beam ass'y	1
7	Stator	2	22	Front right clapboard ass'y	1	35	Beam ass'y	1
8	Evaporator ass'y	1	23	E-part box ass'y	1	36	Motor up cover	1
9	Drainage pan ass'y	1	23.1	E-part box	1	37	Motor below cover	1
10	Clapboard ass'y	1	23.2	Wire joint, 9p	1	38	Base	1
11	Front cover ass'y	2	24	E-Part box cover	1	39	Former upside board ass'y	1
12	Beam ass'y	1	25	Capacitor box	1	40	Former underside board ass'y	1
13	Air filter	1	26	Pipe performing	1	41	Left fixing board	1
14	Back Underside board	1	27	Capacitor	1	42	Water pipe	1
15	Base ass'y	1	28	Motor below cover	1			



MDVF-1600D100E MDVF-1800D100E MDVF-2200D100E



No.	Part Name	Qua.	No.	Part Name	Qua.	No.	Part Name	Qua.
1	Side board ass'y	1	16	Drainage pan ass'y	1	29	Beam ass'y	1
2	Fan ass'y	1	17	Beam ass'y	1	30	Beam ass'y	1
3	Stator	2	18	Back upside board ass'y	1	31	Right wind wheel ass'y	1
4	Cover plate ass'y	1	19	Drainage pan	1	32	Motor up cover	1
5	Clapboard ass'y	1	20	E-part box ass'y	1	33	Motor below cover	1
6	Board	1	20.1	E-part box	1	34	Fixing board ass'y	1
7	Below baffle	1	20.2	Wire joint, 9p	1	35	Motor up cover	1
8	Evaporator left clapboard ass'y	1	21	Water pipe	1	36	Former upside board ass'y	1
9	Evaporator ass'y	1	22	Clapboard ass'y	1	37	Former underside board ass'y	1
10	Evaporator up clapboard ass'y	1	23	Capacitor	1	38	Fixing board ass'y	1
11	Front cover ass'y	2	24	Capacitor clamp	1	39	Motor below cover	1
12	Base ass'y	1	25	Capacitor box	1	40	Motor bracket	1
13	Air filter	1	26	E-Part box cover	1	41	Motor	1
14	Evaporator right clapboard ass'y	1	27	Front right clapboard ass'y	1			
15	Back Underside board	1	28	Rear cover ass'y	1			

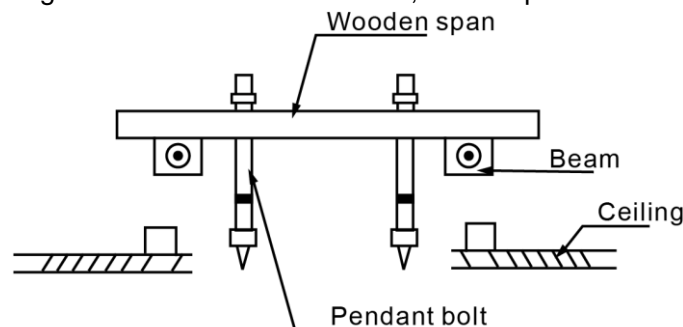


## 12. Installation

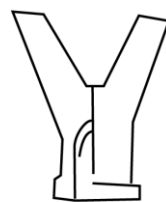
### 12.1 Installation of the fan coil unit

- Precautions before installation.
  - Decide the correct way of conveying the equipment.
  - Try to transport this equipment with the original package.
  - If the air conditioner needs to be installed on a metal part of the building, electric insulation must be performed, and the installation must meet the relevant technical standards of electric devices.
- Install F10 pendant bolts (4 bolts)
  - The intervals of the pendant bolts are shown in the following figure.
  - Use the F10 pendant bolts.
  - The treatment of the ceiling varies between buildings. For detailed measures, negotiate with the construction and fit-out staff.
- Scope of dismantling the ceiling...Please keep the ceiling horizontal. Reinforce the beams and girders of the ceiling lest vibration of the ceiling.
- Cut off the beams and girders of the ceiling.
- Reinforce the cut-off part, beams and girders of the ceiling.
  - After the main body is suspended, work on the pipes and wires in the ceiling. Decide the lead-out direction of the pipes after selecting the installation site. Especially, in a circumstance where a ceiling is available, extend the refrigerant pipe; drain pipe, indoor/outdoor connection wires and wire controller lines to the connection position before suspending the unit.
  - Procedure of installing the pendant bolts.

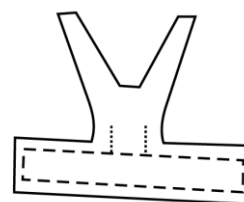
**Wooden structure:** Put rectangular sticks across the beams, and set pendant bolts.



**New concrete roughcast:** Set it with embedded bushes or embedded bolts.

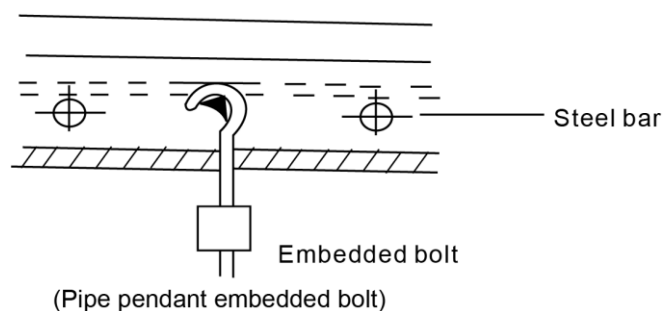


(Blade plug-in unit)



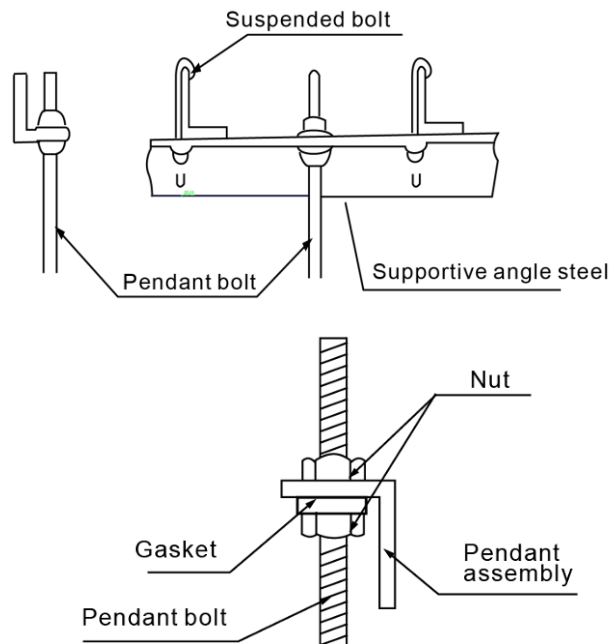
(Slide plug-in unit)

**Old concrete roughcast:** Use embedded bolts, embedded pulling plugs, and embedded stick harness.



(Pipe pendant embedded bolt)

**Steel beam and grider structure:** Set and use supportive angle steel.



- Suspending the indoor unit
  - Use tools such as pulleys to hoist the indoor unit to the pendant bolt.
  - Use tools such as gradient to settle the indoor unit horizontally. Lack of horizontality may cause water leak.

- Connect the duct

The external static pressure is 70Pa or 100Pa, and the duct length is determined according to this parameter.

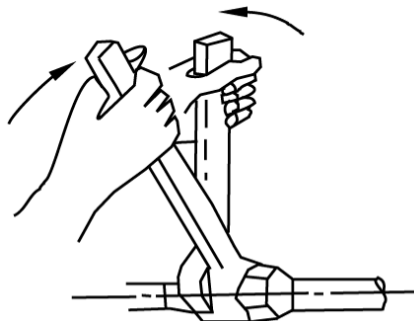
- Install the wire control switch

For installation of the wire control switch, see the installation manual of the wire controller.

- Sample unit specification figure: refer to chapter 7

## 12.2 Pipes Connection

- With air release valve, the other side is water inlet pipe.
- When connect water collector, set the tightening torque to 6180~7540N.cm(630~770kgf.cm), and use a spanner to tighten it as shown in Fig..
- The diameter of connective junction in water inlet pipe and water outlet pipe is RC3/4 taper pipe thread inside.
- The diameter of condensate pipe is ZG3/4 taper pipe thread outside.

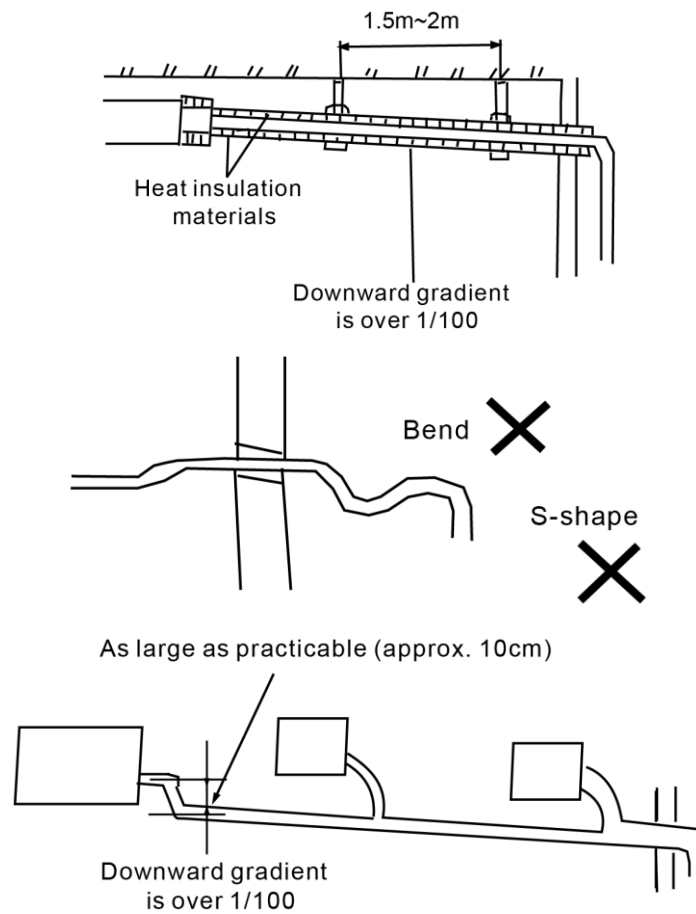


## 12.3 Installing Drainage Pipe

### Cautions:

- Be sure to perform heat insulation for the drain pipe of the indoor unit. Otherwise, condensate will occur. The joint of the indoor unit should also undergo heat insulation treatment.
- When performing the en suite connection, use the rigid PVC binder, and make sure that no leak exists.

- Same as the joint of the indoor unit. Be careful not to apply force at the pipe side of the indoor unit.
- The downward gradient of the drain pipe should be higher than (1/100), without bend in the middle.
- The widthwise stretch of the drain pipe should be with 1in 2110m. If the drain pipe is long, set up brackets to support it.
- The centralized pipes should be distributed against the figure shown on the right side.



- Drain test
  - Before the test, ensure that the drain pipes are smooth and the adapters are sealed.
  - Newly built rooms should undergo the drain test before the ceiling is laid.

**12.4 Wiring**

Fan coil units model	Name of cable	Cable Qty.	Specification(Optional)	Note
MDVF-800D70E	Main power cord	1	RVV-300/500 3×2.5 mm <sup>2</sup>	Owner purchase it optionally
MDVF-1000D70E	Controller power cord	1	RVV-300/500 3×2.0 mm <sup>2</sup>	Owner purchase it optionally
MDVF-1200D70E	Control wire	1	RVV-300/500 5×1.5 mm <sup>2</sup>	Owner purchase it optionally
MDVF-1400D70E				
MDVF-1600D100E				
MDVF-1800D100E				
MDVF-2200D100E				