

Four-pipe Four-way Cassette Fan Coil Unit

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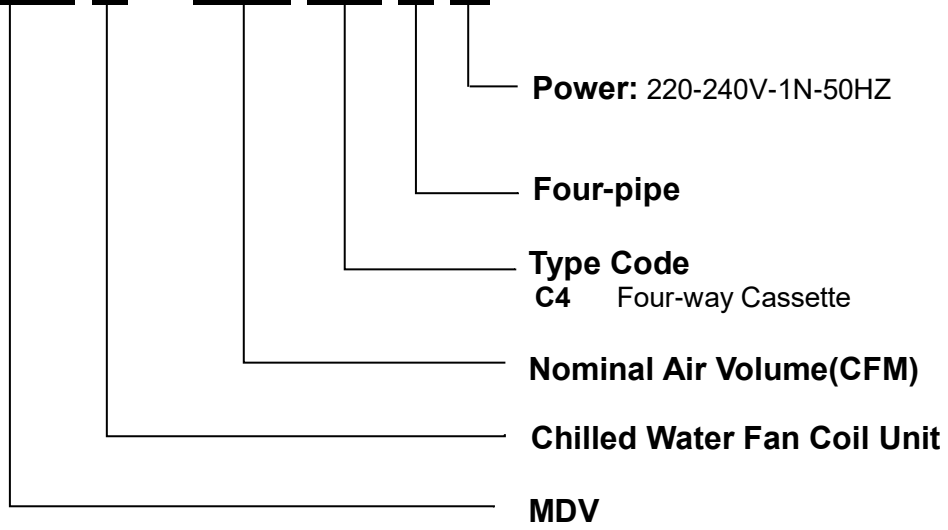
1. Introduction

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 – 600 C4 F E



3. Product Schedule

| No. | Type | Model | Air volume (m ³ /h) | Power supply | Auxiliary Electrical Heater |
|-----|-----------------------------|---------------|--------------------------------|-------------------|-----------------------------|
| 1 | Four-pipe Four-way Cassette | MDVF-600C4FE | 1150 | 220~240V-1ph-50Hz | Without |
| 2 | | MDVF-750C4FE | 1460 | | |
| 3 | | MDVF-850C4FE | 1480 | | |
| 4 | | MDVF-950C4FE | 1720 | | |
| 5 | | MDVF-1200C4FE | 1860 | | |
| 6 | | MDVF-1500C4FE | 2100 | | |

4. External Appearance



5. Features

- Capacity range: 600~1500CFM.
- 4-way air supply panel is standard, 360° air supply panel is optional.

Standard panel



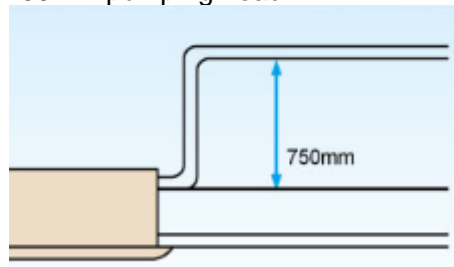
Optional panel



- High comfortable, cold and hot water can supply simultaneously
- Cooling and heating model can exchange conveniently



- High capacity of cooling and heating performance, high efficiency and energy-saving
- Built-in drain water pump with 750mm pumping head



- Fresh air provision makes life healthier and more comfortable



- Standard wireless remote control with LED display, wired control is optional
- Four-speed motor with an optional reserved speed for more choice

6. Specifications

| Model MDVF- | | | 600C4FE | 750C4FE | 850C4FE |
|----------------------------------|------------------------------|-------------------|------------------------------------|-----------------|------------------|
| Power supply | | V/Ph/Hz | 220-240/1/50 | | |
| Air flow (H/M/L) | | m ³ /h | 1123/749/587 | 1249/853/671 | 1304/1041/934 |
| | | CFM | 661/441/345 | 735/502/395 | 767/612/549 |
| Cooling | Capacity (H/M/L) | kW | 3.28/3.01/2.44 | 3.81/3.13/2.56 | 3.93/3.32/3.04 |
| | Water flow rate(H/M/L) | m ³ /h | 0.74/0.65/0.53 | 0.8/0.67/0.55 | 0.85/0.71/0.65 |
| | Water pressure drop(H/M/L) | kPa | 20/13/10 | 20.4/15/15 | 25/20/15 |
| Heating | Capacity (H/M/L) | kW | 5.99/4.56/3.77 | 6.14/4.64/3.93 | 6.21/5.2/4.8 |
| | Water flow rate(H/M/L) | m ³ /h | 0.55/0.42/0.35 | 0.56/0.43/0.36 | 0.57/0.48/0.44 |
| | Water pressure drop(H/M/L) | kPa | 25/20/16 | 40/25/20 | 45/35/28.1 |
| Power input (H/M/L) | | W | 124/89/68 | 172/86/63 | 187/161/144 |
| Current Input | | A | 0.74 | 0.82 | 0.86 |
| Sound Pressure Level (Hi/Med/Lo) | | dB(A) | 42/32/26 | 43/34/28 | 46/36/30 |
| Fan | Type | \ | Centrifugal fan | Centrifugal fan | Centrifugal fan |
| | Quantity | \ | 1 | 1 | 1 |
| Motor | Model | \ | YDK56-6-1 | YDK56-6-1 | YDK90-6E |
| | Quantity | \ | 1 | 1 | 1 |
| | Capacitor | \ | 3 μ F/450V | 4 μ F/450V | 2.5 μ F/450V |
| Coil | Rows | \ | 2 | 2 | 2 |
| | Tube Pitch(a) x Row Pitch(b) | mm | 21x13.37 | 21x13.37 | 21x13.37 |
| | Fin Spacing | mm | 1.5 | 1.5 | 1.5 |
| | Fin Type | \ | Hydrophilic aluminum | | |
| | Tube Outside Dia. | mm | Φ 7 | Φ 7 | Φ 7 |
| | Coil length x height | mm | 1990x252 | 1990x252 | 1990x252 |
| | Number of circuits | \ | 9 for cold water; 3 for hot water | | |
| | Max. Working pressure | MPa | 1.6 | 1.6 | 1.6 |
| Test pressure | MPa | 1 | 1 | 1 | |
| Pipe Connection | Water-inlet pipe | inch | Cold water:RC3/4" Hot water:RC1/2" | | |
| | Water-outlet pipe | inch | Cold water:RC3/4" Hot water:RC1/2" | | |
| | Drain pipe | mm | OD Φ 32 | OD Φ 32 | OD Φ 32 |
| Body | Net dimension (WxHxD) | mm | 840x300x840 | 840x300x840 | 840x300x840 |
| | Packing dimension (WxHxD) | mm | 900x330x900 | 900x330x900 | 900x330x900 |
| | Net weight | kg | 35 | 35 | 35 |
| | Packing weight | kg | 41 | 41 | 41 |
| Panel | Net dimension (WxHxD) | mm | 950x45x950 | 950x45x950 | 950x45x950 |
| | Packing dimension (WxHxD) | mm | 1035x90x1035 | 1035x90x1035 | 1035x90x1035 |
| | Net weight | kg | 6 | 6 | 6 |
| | Packing weight | kg | 9 | 9 | 9 |

Note:

1. The data is the performance in high speed.
2. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB, 19°C WB.
Heating Conditions: Entering Water 65°C, Entering/leaving temperature difference is 10°C, enter air temperature 20°C.
3. Noise level is tested in semi-anechoic room.

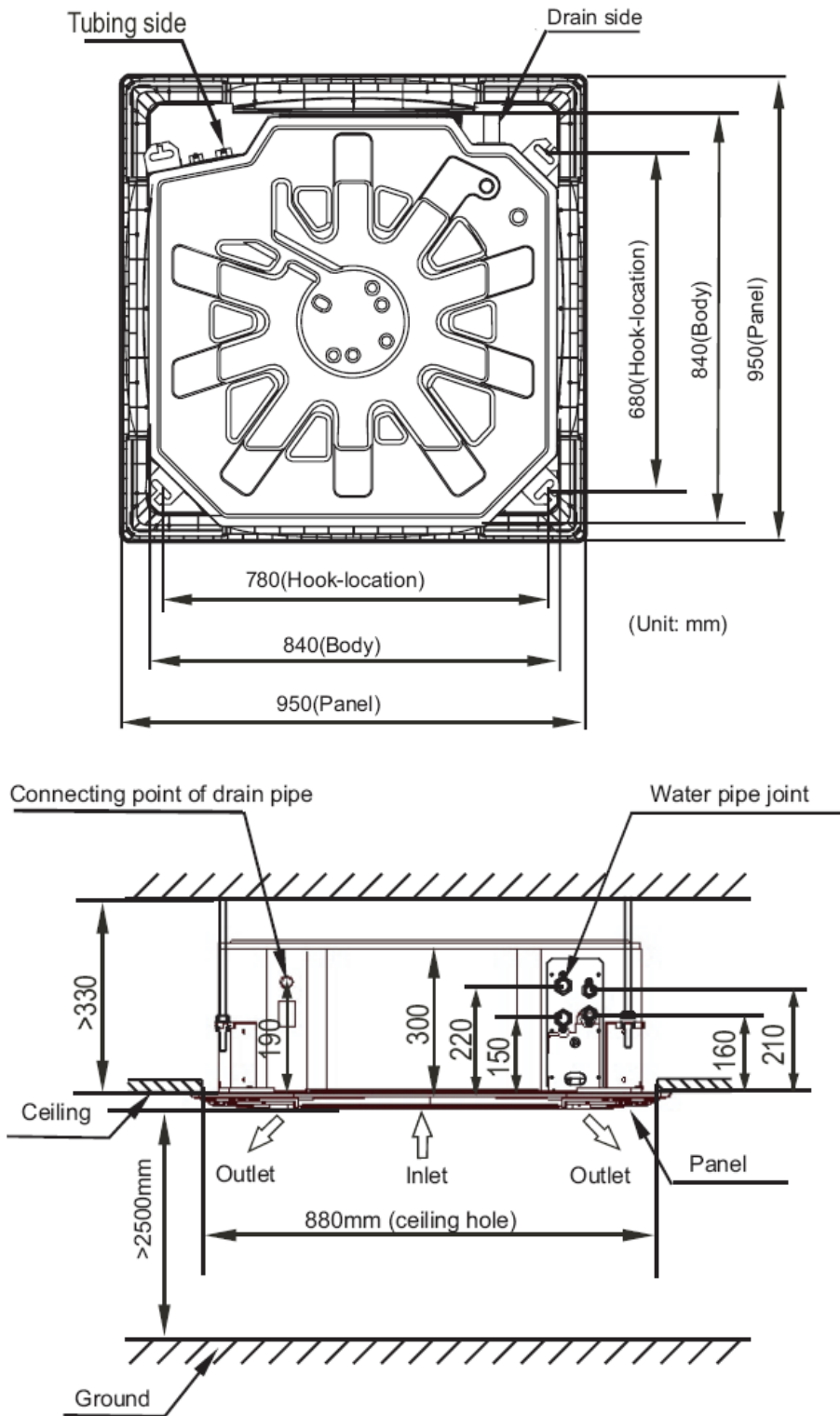
Specifications

| Model MDVF- | | | 950C4FE | 1200C4FE | 1500C4FE |
|----------------------------------|------------------------------|-------------------|------------------------------------|----------------------|----------------------|
| Power supply | | V/Ph/H z | 220-240/1/50 | | |
| Air flow (H/M/L) | | m ³ /h | 1339/1112/1001 | 1618/1359/1053 | 1681/1457/1117 |
| | | CFM | 787/654/589 | 952/800/620 | 989/857/657 |
| Cooling | Capacity (H/M/L) | kW | 4.1/3.53/3.24 | 5.92/5.16/4.49 | 7.21/5.28/4.63 |
| | Water flow rate(H/M/L) | m ³ /h | 0.89/0.76/0.7 | 1.32/1.14/0.99 | 1.6/1.31/1.15 |
| | Water pressure drop(H/M/L) | kPa | 35/20/15 | 40/35/30 | 45.2/35/29.5 |
| Heating | Capacity (H/M/L) | kW | 6.5/5.34/4.96 | 8.76/7.76/6.98 | 10.34/7.91/7.5 |
| | Water flow rate(H/M/L) | m ³ /h | 0.6/0.49/0.46 | 0.8/0.71/0.64 | 0.95/0.73/0.69 |
| | Water pressure drop(H/M/L) | kPa | 43.9/33.6/29.4 | 52.9/42.4/36 | 53.4/40.9/33.7 |
| Power input (H/M/L) | | W | 190/155/141 | 197/155/130 | 267/231/184 |
| Current Input | | A | 0.89 | 1 | 1.2 |
| Sound Pressure Level (Hi/Med/Lo) | | dB(A) | 47/38/32 | 48/40/34 | 50/42/36 |
| Fan | Type | \ | Centrifugal fan | Centrifugal fan | Centrifugal fan |
| | Quantity | \ | 1 | 1 | 1 |
| Motor | Model | \ | YDK90-6E | YDK90-6E-1 | YDK90-6E-1 |
| | Quantity | \ | 1 | 1 | 1 |
| | Capacitor | \ | 3μF/450V | 4μF/450V | 4μF/450V |
| Coil | Rows | \ | 2 | 3 | 3 |
| | 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 Dia. | mm | Φ7 | Φ7 | Φ7 |
| | Coil length × height | mm | 1990×252 | 2080×252 | 2080×252 |
| | Number of circuits | \ | 9 for cold water; 3 for hot water | | |
| | Max. Working pressure | MPa | 1.6 | 1.6 | 1.6 |
| | Test pressure | MPa | 1 | 1 | 1 |
| Pipe Connection | Water-inlet pipe | inch | Cold water:RC3/4" Hot water:RC1/2" | | |
| | Water-outlet pipe | inch | Cold water:RC3/4" Hot water:RC1/2" | | |
| | Drain pipe | mm | ODΦ32 | ODΦ32 | ODΦ32 |
| Body | Net dimension (W×H×D) | mm | 840×300×840 | 840×300×840 | 840×300×840 |
| | Packing dimension (W×H×D) | mm | 900×330×900 | 900×330×900 | 900×330×900 |
| | Net weight | kg | 35 | 38 | 38 |
| | Packing weight | kg | 41 | 44 | 44 |
| Panel | Net dimension (W×H×D) | mm | 950×45×950 | 950×45×950 | 950×45×950 |
| | Packing dimension (W×H×D) | mm | 1035×90×1035 | 1035×90×1035 | 1035×90×1035 |
| | Net weight | kg | 6 | 6 | 6 |
| | Packing weight | kg | 9 | 9 | 9 |

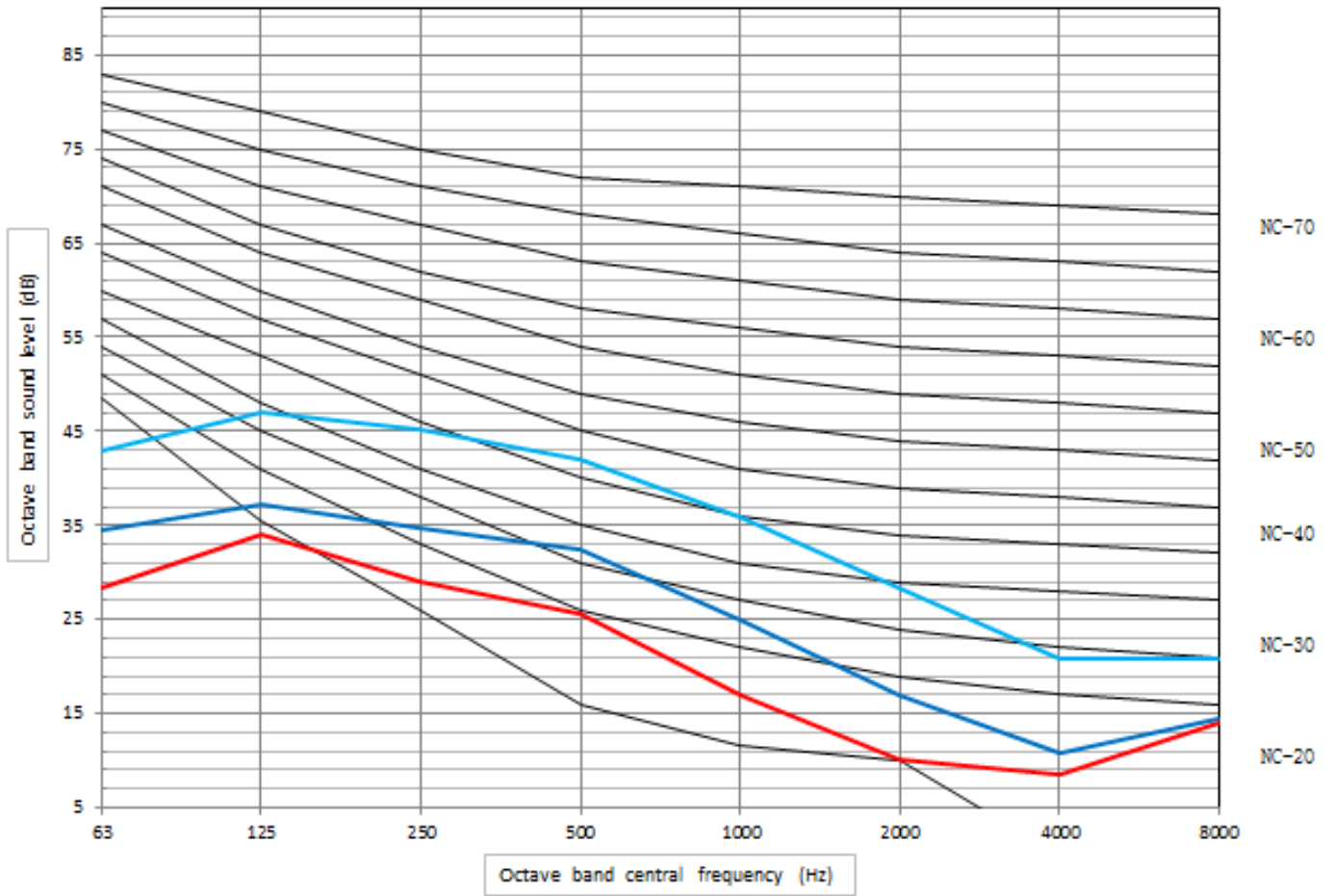
Note:

- The data is the performance in high speed.
- Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB, 19°CWB.
Heating Conditions: Entering Water 70°C, Entering/leaving temperature difference is 10°C, enter air temperature 20°C.
- Noise level is tested in semi-anechoic room.

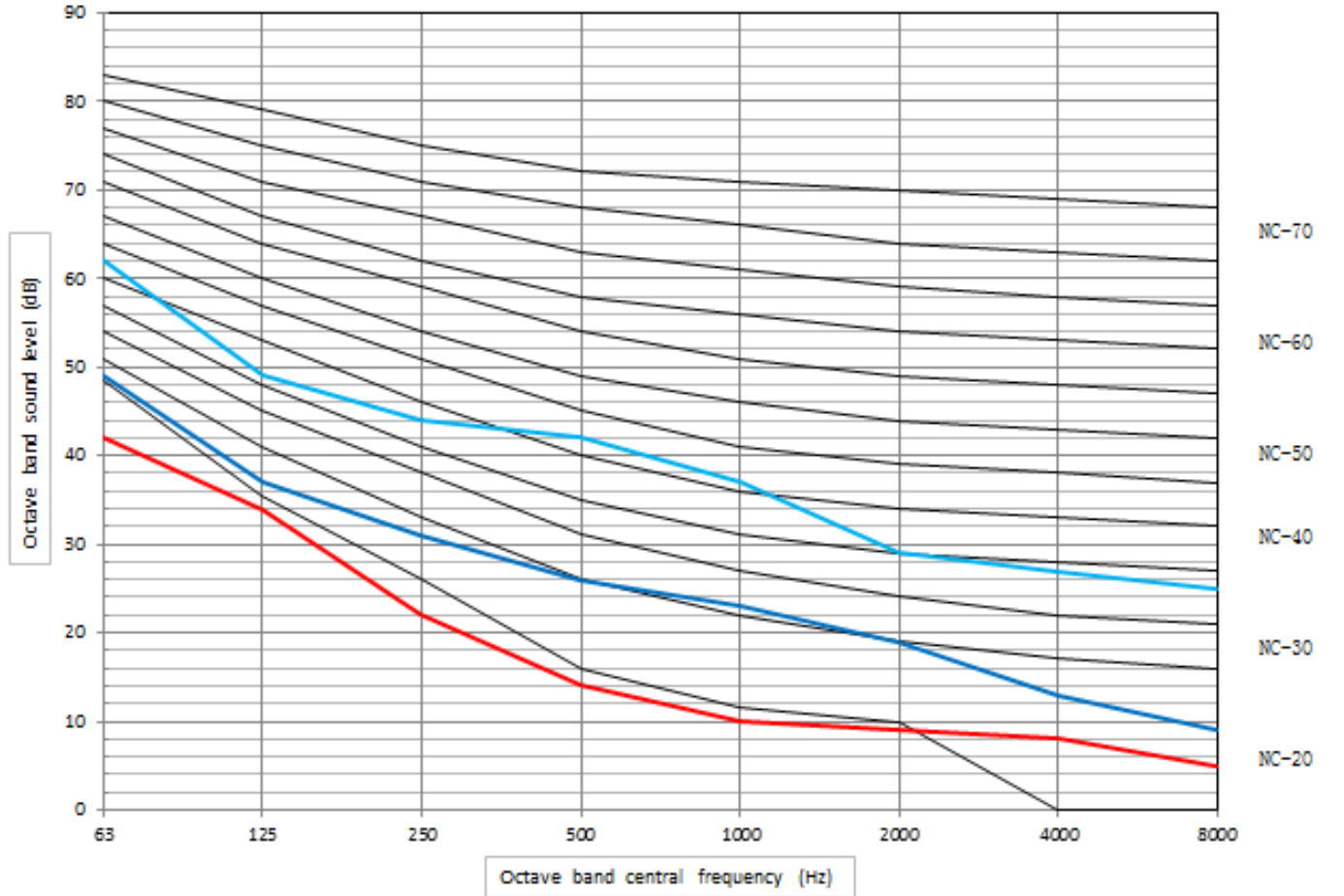
7. Dimension and Sound Levels



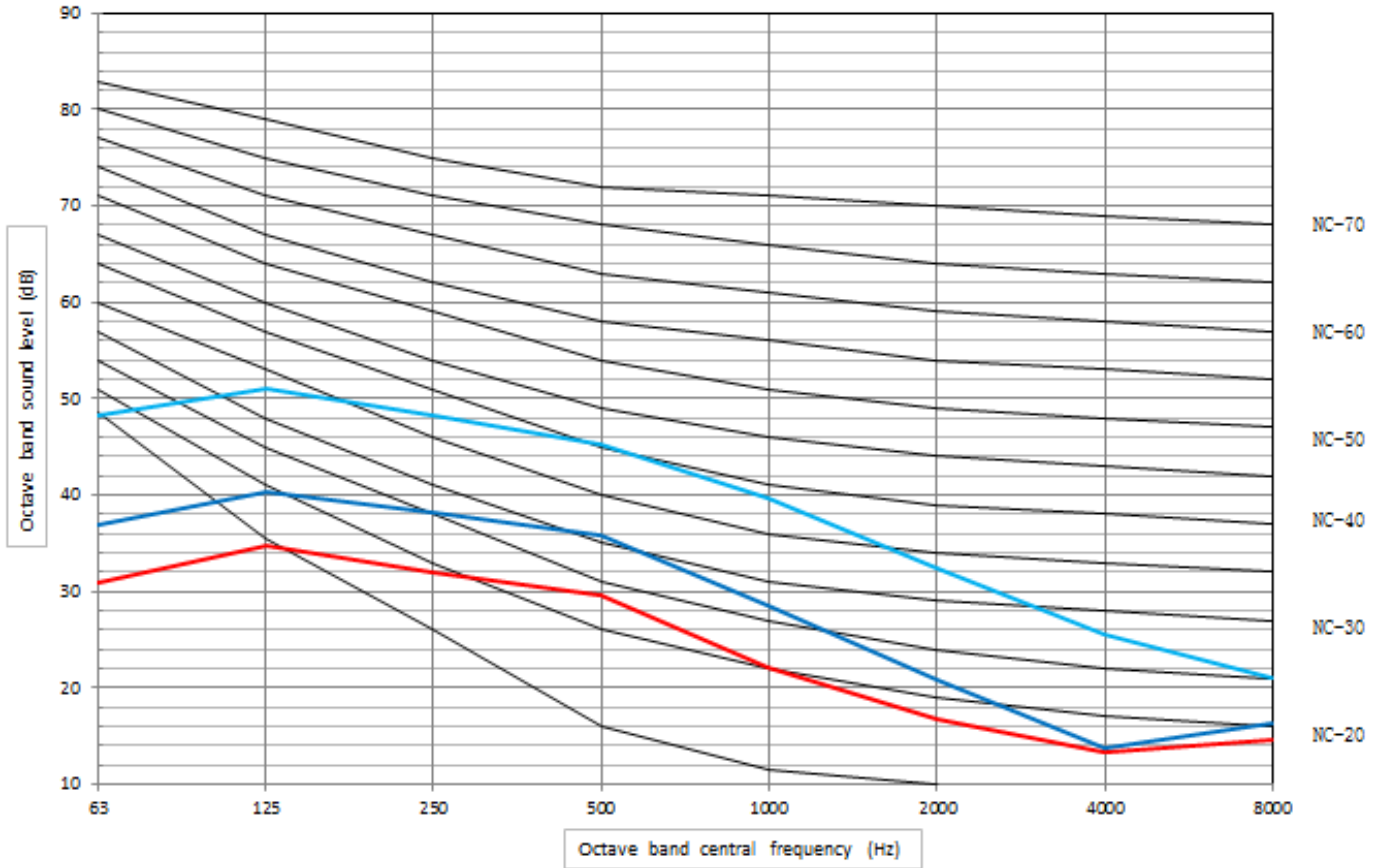
MDVF-600C4FE



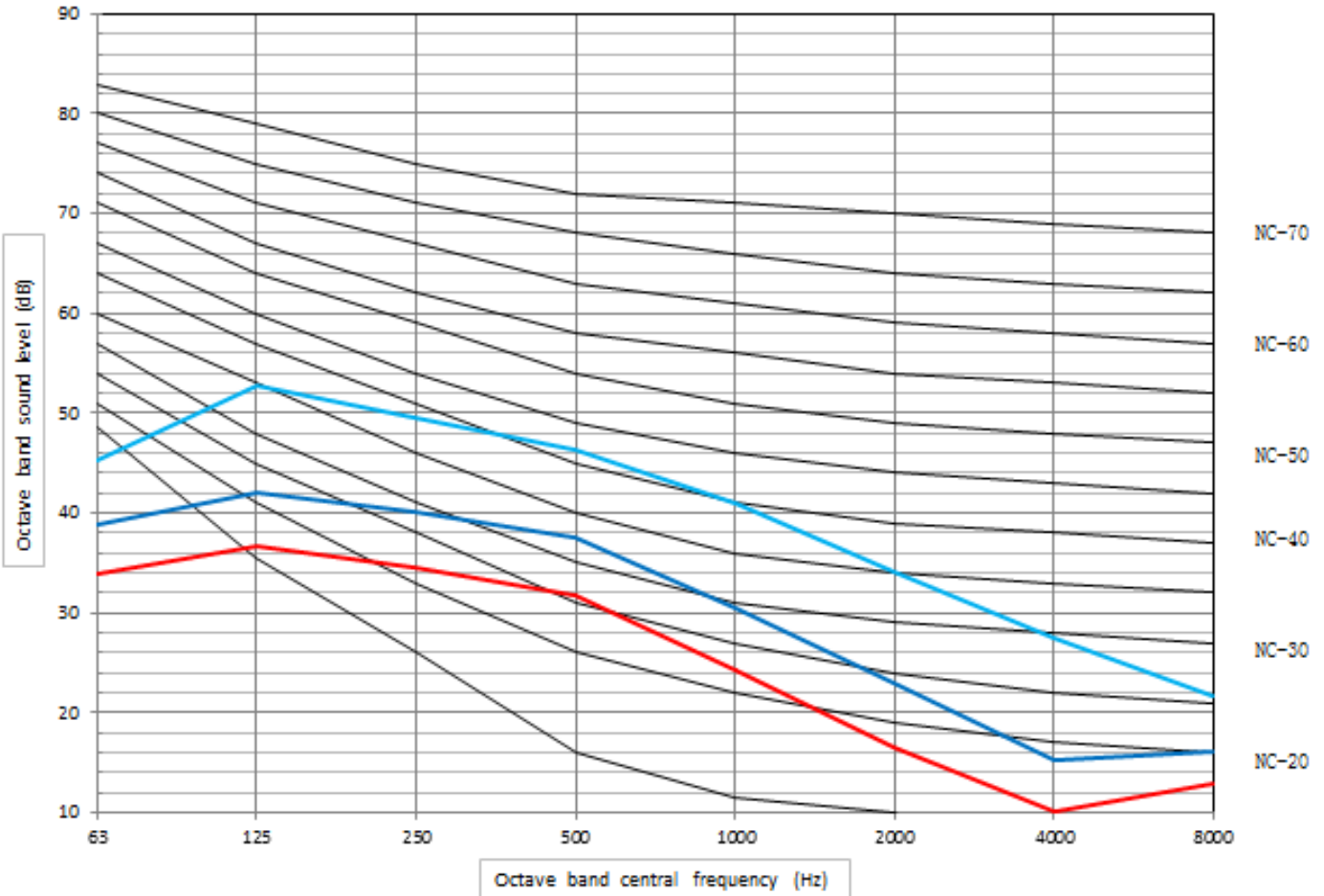
MDVF-750C4FE



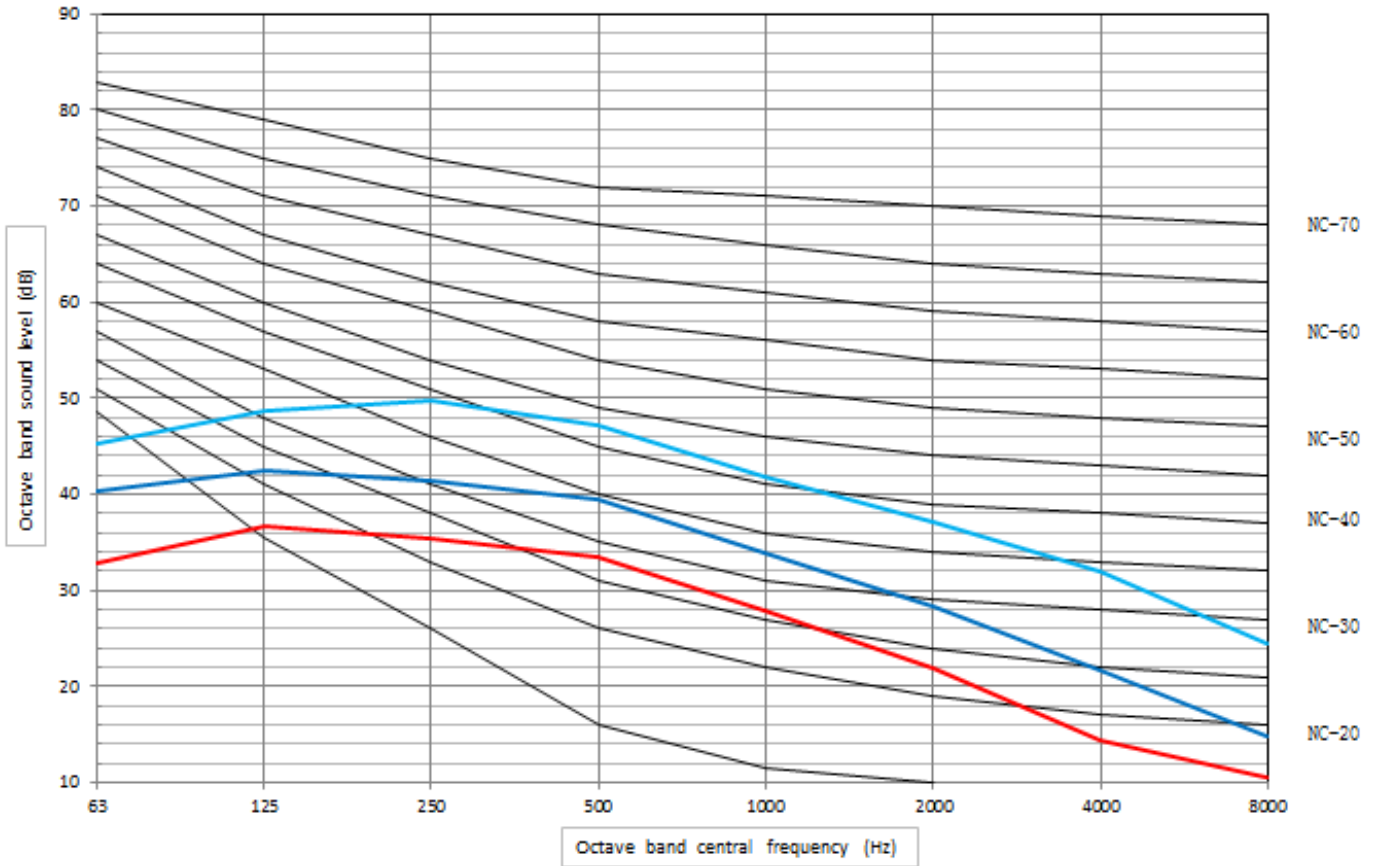
MDVF-850C4FE



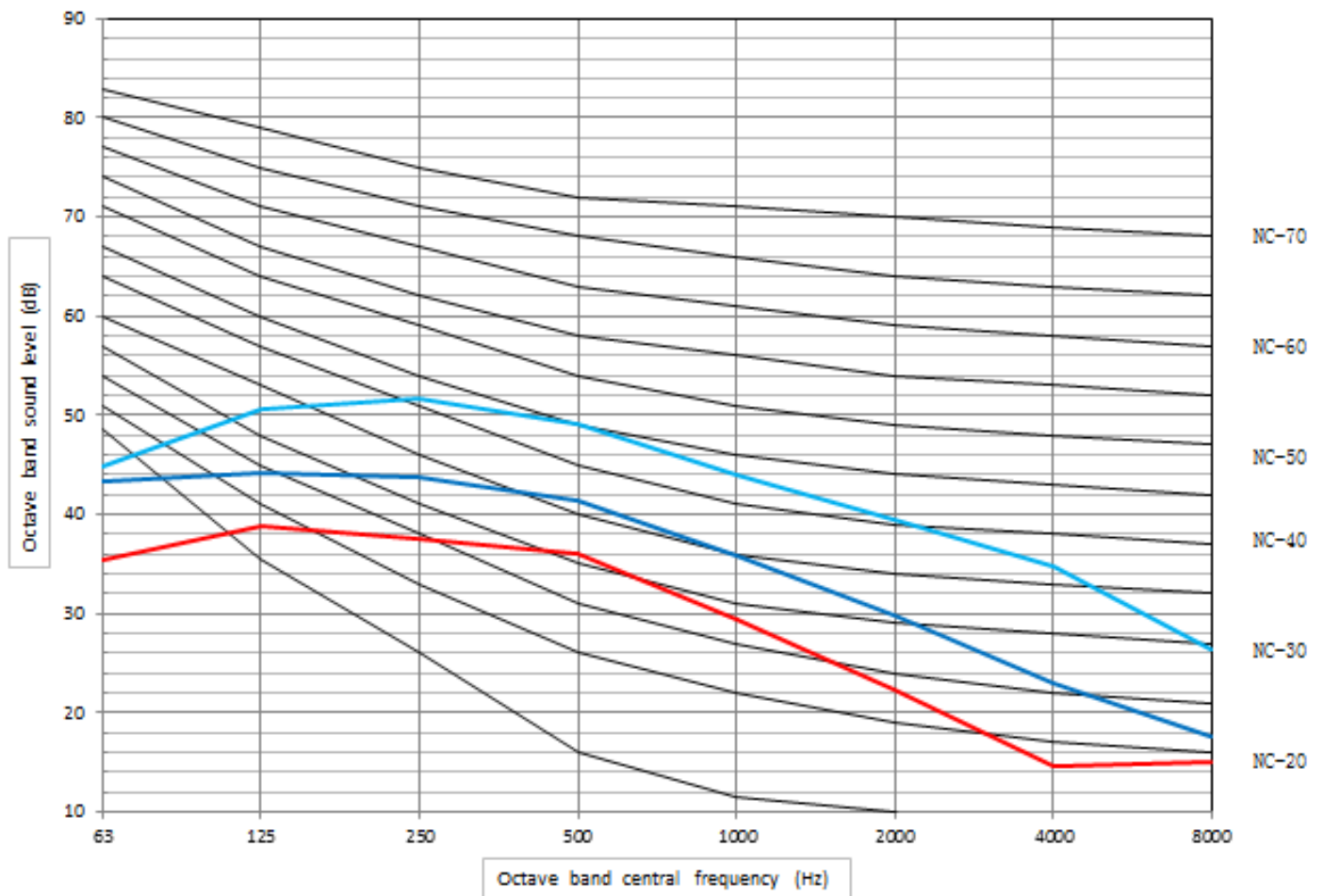
MDVF-950C4FE



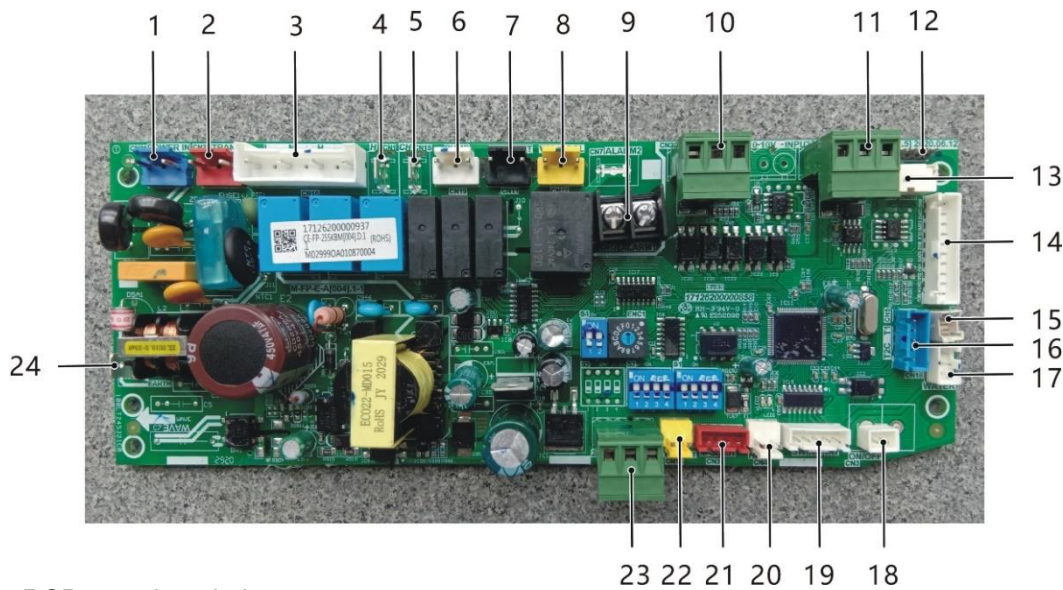
MDVF-1200C4FE



MDVF-1500C4FE



8. Main PCB ports



Main PCB port description:

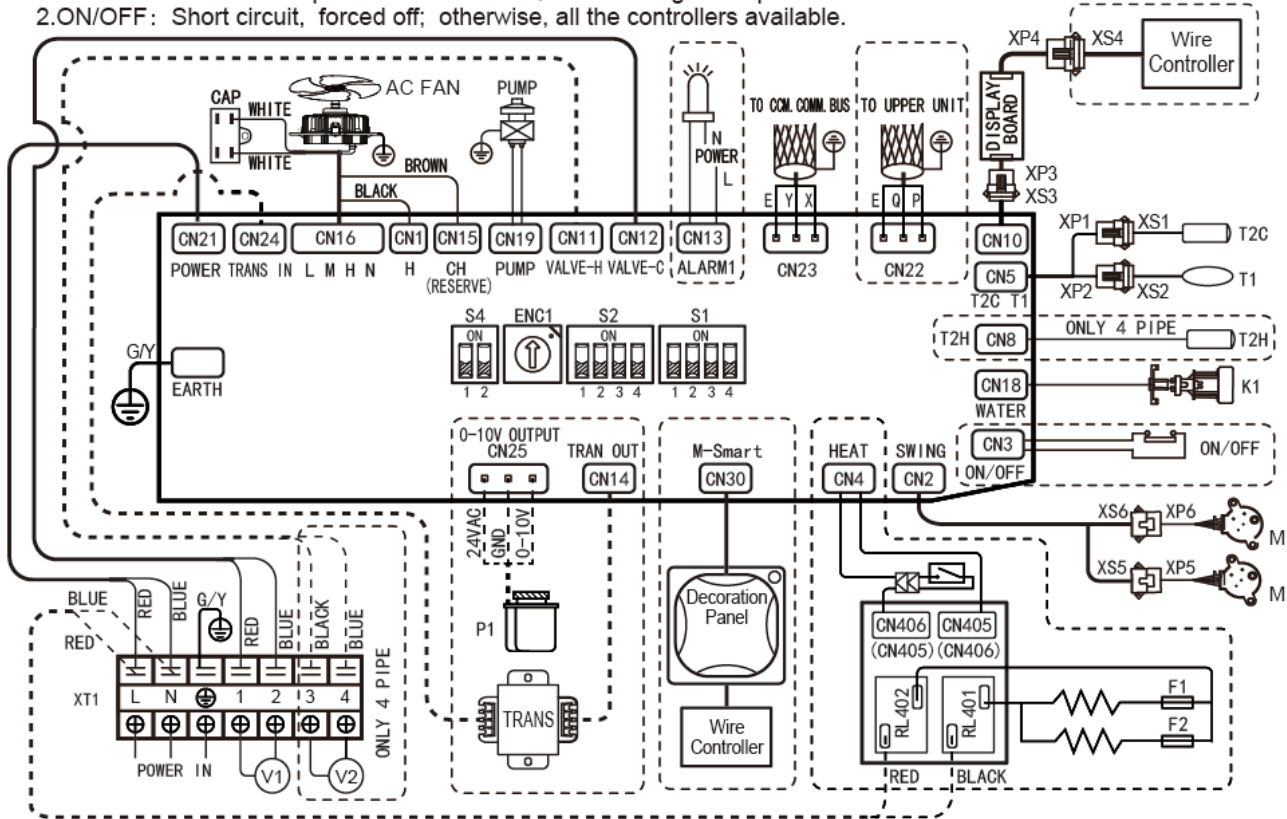
| No. | Bit No. | Description | Remarks |
|-----|---------|--|---------------------------|
| 1 | CN21 | POWER: Mains input | Standard |
| 2 | CN28 | TRANS IN: 0-10V body powered linear transformer primary | Customized |
| 3 | CN16 | L: Low fan speed output port for AC fan | Standard |
| | | M: Medium fan speed output port for AC fan | |
| | | H: High fan speed output port for AC fan | |
| | | N: Null line output port for AC fan | |
| 4 | CN1 | H: High fan speed output port for AC fan | Standard |
| 5 | CN15 | HH: Super-high wind profile reserved port for AC fan (suspended) | Standard |
| 6 | CN19 | PUMP: Water pump output port | Standard |
| 7 | CN11 | VALVE-H: Heating 2-way/3-way valve (live line/null line) | Standard (four pipe only) |
| 8 | CN12 | VALVE-C: Cooling 2-way/3-way valve (live line/null line) | Standard |
| 9 | CN13 | ALARM: Fault alarm output | Standard |
| 10 | CN23 | XYE: Centralized control communication port | Standard |
| 11 | CN22 | PQE: Modbus communication port | Customized |
| 12 | CN20 | E - side program burning port | Standard |
| 13 | CN300 | DEBUG: Main control program burn port | Standard |
| | | NEW DISPLAY: Display panel docking port (ten cores) | |
| 15 | CN8 | T2H: Heating pipe temperature sensor port | Standard (four pipe only) |
| 16 | CN5 | T2C: Refrigerating pipe temperature sensor port | Standard |
| | | T1: Room temperature sensor port | |
| 17 | CN18 | WATER: Water level switch port | Standard |
| 18 | CN3 | ON/OFF: Remote on/off port | Customized |
| 19 | CN2 | SWING: Swing motor port | Standard |
| 20 | CN4 | HEAT: Control port for auxiliary electric heating relay | Customized |
| 21 | CN30 | M-Smart: 360° annular air outlet panel docking port (four cores) | Standard |
| 22 | CN14 | TRANS OUT: 0-10V valve powered linear transformer secondary | Customized |
| 23 | CN25 | 0-10V valve control signal output | Customized |
| 24 | EARTH | EARTH: Grounding screw position | Standard |

9. Wiring Diagrams

MDVF-600C4FE, MDVF-850C4FE, MDVF-1200C4FE

NOTE:

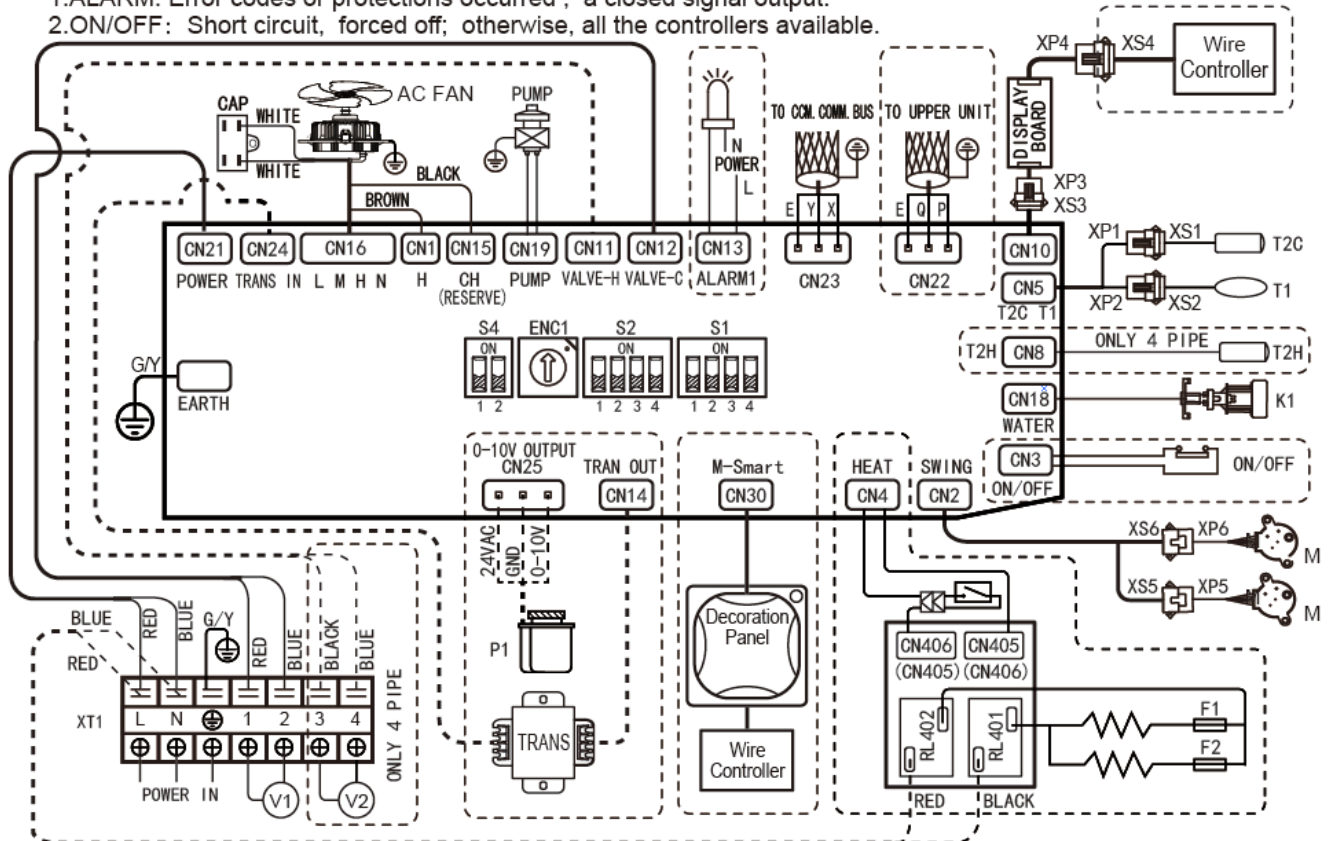
- 1.ALARM: Error codes or protections occurred , a closed signal output.
- 2.ON/OFF: Short circuit, forced off; otherwise, all the controllers available.



















MDVF-750C4FE, MDVF-950C4FE, MDVF-1500C4FE

NOTE:

- 1.ALARM: Error codes or protections occurred , a closed signal output.
- 2.ON/OFF: Short circuit, forced off; otherwise, all the controllers available.







| | | | |
|------|---|---|---|
| S1 | S1-1 |  ON 1 2 3 4 | 2 Pipe |
| | |  ON 1 2 3 4 | 4 Pipe(default) |
| | S1-2 |  ON 1 2 3 4 | Without enforcement to turn wind(default) |
| | |  ON 1 2 3 4 | With enforcement to turn wind |
| | S1-3 |  ON 1 2 3 4 | Normal anti-cold wind(default) |
| | |  ON 1 2 3 4 | High temperature anti-cold wind |
| S1-4 |  ON 1 2 3 4 | turn on E-heater and Heating(default) | |
| |  ON 1 2 3 4 | turn on E-heater, turn off heating valve | |

| | | | |
|--------|---|---|---|
| S2 | S2-1/2 |  ON 1 2 3 4 | Temp.compensation value is 0 under cool mode(default) |
| | |  ON 1 2 3 4 | Temp.compensation value is 1 under cool mode |
| | S2-3/4 |  ON 1 2 3 4 | Temp.compensation value is 2 under cool mode |
| | |  ON 1 2 3 4 | Temp.compensation value is 3 under cool mode |
| | S2-3/4 |  ON 1 2 3 4 | Temp.compensation value is 3 under heat mode(default) |
| | |  ON 1 2 3 4 | Temp.compensation value is 1 under heat mode |
| S2-3/4 |  ON 1 2 3 4 | Temp.compensation value is 6 under heat mode | |
| |  ON 1 2 3 4 | Temp.compensation value is 8 under heat mode | |



Power supply is grounded Control board is grounded

| | | | |
|-----------|--|---|---------------|
| | SWITCH FOR ADDRESS SETTING |  ON 1 2 | Address 0-15 |
| ENC1 & S4 | '0-F' of the ENC1 and 'ON/OFF' of the S4, the different position represents a different address. Is be combined 64 address(0-63) |  ON 1 2 | Address 16-31 |
| | |  ON 1 2 | Address 32-47 |
| | |  ON 1 2 | Address 48-63 |

| CODE | PART NAME |
|----------|-----------------------------|
| CN1-30 | P.C BOARD SOCKETS |
| K1 | WATER LEVEL SWITCH |
| FAN | INDOOR FAN |
| M | SWING MOTOR |
| PUMP | PUMP |
| CAP | INDOOR FAN CAPACITOR |
| T1 | ROOM TEMPERATURE |
| T2C/ T2H | PIPE TEMPERATURE |
| XP1-6 | CONNECTORS |
| XS1-6 | CONNECTORS |
| XT1 | 7-WAY TERMINAL |
| P1 | PROPORTIONAL VALVE ACTUATOR |

10. Capacity Tables

Cooling Capacity:

| MDVF-600C4FE | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|-------------------|------|------|------|-------------------|-------|------|------|-------------------|-------|------|------|-------------------|-------|------|------|-------------------|-------|
| 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 ³ /h | kPa | kW | kW | m ³ /h | kPa | kW | kW | m ³ /h | kPa | kW | kW | m ³ /h | kPa | kW | kW | m ³ /h | kPa |
| 5 | 3 | 15 | 3.77 | 3.17 | 1.07 | 5.00 | 3.73 | 3.70 | 1.06 | 4.88 | 4.22 | 4.22 | 1.21 | 6.52 | 4.75 | 4.75 | 1.36 | 7.97 | 5.26 | 5.26 | 1.51 | 9.49 |
| | | 17 | 5.36 | 3.20 | 1.54 | 9.80 | 5.33 | 3.73 | 1.53 | 9.69 | 5.29 | 4.25 | 1.52 | 9.58 | 5.26 | 4.76 | 1.51 | 9.47 | 5.26 | 5.24 | 1.51 | 9.48 |
| | | 19 | - | - | - | - | 7.01 | 3.75 | 2.01 | 15.46 | 6.97 | 4.27 | 2.00 | 15.30 | 6.92 | 4.78 | 1.99 | 15.14 | 6.88 | 5.29 | 1.98 | 14.98 |
| | | 20 | - | - | - | - | 7.87 | 3.75 | 2.25 | 18.65 | 7.82 | 4.27 | 2.23 | 18.45 | 7.78 | 4.78 | 2.22 | 18.27 | 7.73 | 5.30 | 2.21 | 18.08 |
| | 4 | 15 | 3.16 | 2.91 | 0.68 | 1.54 | 3.42 | 3.42 | 0.73 | 1.84 | 3.90 | 3.90 | 0.84 | 2.63 | 4.38 | 4.38 | 0.94 | 3.62 | 4.87 | 4.87 | 1.05 | 4.77 |
| | | 17 | 4.49 | 2.82 | 0.97 | 3.86 | 4.46 | 3.35 | 0.96 | 3.80 | 4.43 | 3.87 | 0.95 | 3.74 | 4.40 | 4.39 | 0.95 | 3.67 | 4.88 | 4.88 | 1.05 | 4.79 |
| | | 19 | - | - | - | - | 6.13 | 3.36 | 1.32 | 7.49 | 6.09 | 3.88 | 1.31 | 7.41 | 6.05 | 4.40 | 1.30 | 7.32 | 6.01 | 4.91 | 1.29 | 7.24 |
| | | 20 | - | - | - | - | 7.03 | 3.37 | 1.51 | 9.46 | 6.99 | 3.90 | 1.50 | 9.36 | 6.94 | 4.41 | 1.50 | 9.26 | 6.90 | 4.93 | 1.49 | 9.16 |
| | 5 | 15 | 2.61 | 2.59 | 0.45 | 0.93 | 3.13 | 3.13 | 0.54 | 1.12 | 3.63 | 3.63 | 0.62 | 1.33 | 4.12 | 4.12 | 0.71 | 1.69 | 4.59 | 4.59 | 0.79 | 2.25 |
| | | 17 | 3.91 | 2.57 | 0.67 | 1.51 | 3.88 | 3.10 | 0.67 | 1.49 | 3.84 | 3.63 | 0.66 | 1.46 | 4.13 | 4.13 | 0.71 | 1.70 | 4.60 | 4.60 | 0.79 | 2.26 |
| | | 19 | - | - | - | - | 5.27 | 3.00 | 0.90 | 3.28 | 5.24 | 3.52 | 0.90 | 3.23 | 5.21 | 4.04 | 0.89 | 3.18 | 5.17 | 4.56 | 0.89 | 3.12 |
| | | 20 | - | - | - | - | 6.08 | 2.97 | 1.04 | 4.73 | 6.04 | 3.50 | 1.04 | 4.66 | 6.00 | 4.02 | 1.03 | 4.59 | 5.96 | 4.53 | 1.02 | 4.53 |
| 6 | 15 | 2.34 | 2.34 | 0.33 | 0.68 | 2.84 | 2.84 | 0.41 | 0.83 | 3.34 | 3.34 | 0.48 | 0.98 | 3.83 | 3.83 | 0.55 | 1.12 | 4.33 | 4.33 | 0.62 | 1.30 | |
| | 17 | 3.22 | 2.29 | 0.46 | 0.94 | 3.19 | 2.82 | 0.46 | 0.93 | 3.33 | 3.31 | 0.48 | 0.98 | 3.84 | 3.84 | 0.55 | 1.12 | 4.33 | 4.33 | 0.62 | 1.31 | |
| | 19 | - | - | - | - | 4.70 | 2.77 | 0.67 | 1.53 | 4.66 | 3.29 | 0.67 | 1.49 | 4.63 | 3.81 | 0.66 | 1.47 | 4.58 | 4.33 | 0.65 | 1.44 | |
| | 20 | - | - | - | - | 5.41 | 2.70 | 0.77 | 2.16 | 5.38 | 3.23 | 0.77 | 2.13 | 5.35 | 3.76 | 0.76 | 2.10 | 5.32 | 4.27 | 0.76 | 2.07 | |
| 7 | 3 | 15 | 2.70 | 2.70 | 0.78 | 2.20 | 3.20 | 3.20 | 0.92 | 3.46 | 3.71 | 3.71 | 1.07 | 5.01 | 4.23 | 4.23 | 1.21 | 6.40 | 4.75 | 4.75 | 1.36 | 7.79 |
| | | 17 | 4.13 | 2.67 | 1.18 | 6.15 | 4.10 | 3.19 | 1.17 | 6.07 | 4.06 | 3.71 | 1.16 | 5.96 | 4.23 | 4.23 | 1.21 | 6.41 | 4.76 | 4.76 | 1.36 | 7.81 |
| | | 19 | - | - | - | - | 5.81 | 3.22 | 1.66 | 10.96 | 5.77 | 3.75 | 1.65 | 10.84 | 5.73 | 4.26 | 1.64 | 10.72 | 5.70 | 4.78 | 1.63 | 10.60 |
| | | 20 | - | - | - | - | 6.70 | 3.23 | 1.92 | 13.98 | 6.65 | 3.75 | 1.91 | 13.83 | 6.61 | 4.27 | 1.89 | 13.68 | 6.57 | 4.79 | 1.88 | 13.53 |
| | 4 | 15 | 2.42 | 2.42 | 0.52 | 1.04 | 2.93 | 2.93 | 0.63 | 1.33 | 3.41 | 3.41 | 0.73 | 1.90 | 3.89 | 3.89 | 0.84 | 2.73 | 4.38 | 4.38 | 0.94 | 3.75 |
| | | 17 | 3.41 | 2.37 | 0.73 | 1.90 | 3.38 | 2.90 | 0.73 | 1.85 | 3.40 | 3.37 | 0.73 | 1.89 | 3.90 | 3.90 | 0.84 | 2.74 | 4.39 | 4.39 | 0.94 | 3.76 |
| | | 19 | - | - | - | - | 4.86 | 2.83 | 1.05 | 4.82 | 4.83 | 3.36 | 1.04 | 4.75 | 4.79 | 3.88 | 1.03 | 4.67 | 4.74 | 4.39 | 1.02 | 4.57 |
| | | 20 | - | - | - | - | 5.78 | 2.85 | 1.25 | 6.67 | 5.74 | 3.38 | 1.24 | 6.59 | 5.70 | 3.90 | 1.23 | 6.52 | 5.66 | 4.41 | 1.22 | 6.44 |
| | 5 | 15 | 2.14 | 2.14 | 0.37 | 0.73 | 2.64 | 2.64 | 0.46 | 0.90 | 3.14 | 3.14 | 0.54 | 1.07 | 3.64 | 3.64 | 0.63 | 1.33 | 4.12 | 4.12 | 0.71 | 1.77 |
| | | 17 | 2.76 | 2.11 | 0.48 | 0.94 | 2.73 | 2.64 | 0.47 | 0.93 | 3.15 | 3.15 | 0.54 | 1.07 | 3.65 | 3.65 | 0.63 | 1.33 | 4.12 | 4.12 | 0.71 | 1.77 |
| | | 19 | - | - | - | - | 4.18 | 2.56 | 0.72 | 1.84 | 4.15 | 3.09 | 0.72 | 1.81 | 4.14 | 3.28 | 0.74 | 20.00 | 4.12 | 4.11 | 0.71 | 1.77 |
| | | 20 | - | - | - | - | 4.90 | 2.50 | 0.84 | 2.81 | 4.87 | 3.03 | 0.84 | 2.76 | 4.84 | 3.56 | 0.83 | 2.72 | 4.80 | 4.08 | 0.83 | 2.67 |
| 6 | 15 | 1.86 | 1.86 | 0.27 | 0.52 | 2.36 | 2.36 | 0.34 | 0.65 | 2.86 | 2.86 | 0.41 | 0.79 | 3.35 | 3.35 | 0.48 | 0.93 | 3.85 | 3.85 | 0.55 | 1.08 | |
| | 17 | 2.06 | 1.85 | 0.30 | 0.57 | 2.36 | 2.36 | 0.34 | 0.66 | 2.86 | 2.86 | 0.41 | 0.79 | 3.36 | 3.36 | 0.48 | 0.93 | 3.86 | 3.86 | 0.55 | 1.08 | |
| | 19 | - | - | - | - | 3.51 | 2.31 | 0.50 | 0.98 | 3.48 | 2.84 | 0.50 | 0.97 | 3.45 | 3.36 | 0.50 | 0.96 | 3.86 | 3.86 | 0.56 | 1.08 | |
| | 20 | - | - | - | - | 4.30 | 2.27 | 0.62 | 1.28 | 4.27 | 2.81 | 0.61 | 1.27 | 4.24 | 3.33 | 0.61 | 1.25 | 4.19 | 3.85 | 0.60 | 1.23 | |
| 9 | 3 | 15 | 2.22 | 2.22 | 0.64 | 1.38 | 2.70 | 2.70 | 0.78 | 2.30 | 3.20 | 3.20 | 0.92 | 3.58 | 3.72 | 3.72 | 1.07 | 5.04 | 4.24 | 4.24 | 1.22 | 6.34 |
| | | 17 | 2.89 | 2.16 | 0.83 | 2.74 | 2.85 | 2.69 | 0.82 | 2.64 | 3.20 | 3.20 | 0.92 | 3.59 | 3.72 | 3.72 | 1.07 | 5.05 | 4.25 | 4.25 | 1.22 | 6.35 |
| | | 19 | - | - | - | - | 4.53 | 2.70 | 1.30 | 7.07 | 4.49 | 3.22 | 1.29 | 6.98 | 4.46 | 3.74 | 1.28 | 6.89 | 4.40 | 4.26 | 1.26 | 6.74 |
| | | 20 | - | - | - | - | 5.42 | 2.71 | 1.56 | 9.61 | 5.38 | 3.23 | 1.55 | 9.50 | 5.35 | 3.76 | 1.53 | 9.39 | 5.31 | 4.27 | 1.52 | 9.28 |
| | 4 | 15 | 1.93 | 1.93 | 0.42 | 0.79 | 2.44 | 2.44 | 0.53 | 1.00 | 2.94 | 2.94 | 0.63 | 1.36 | 3.41 | 3.41 | 0.74 | 2.02 | 3.90 | 3.90 | 0.84 | 2.89 |
| | | 17 | 2.24 | 1.91 | 0.48 | 0.92 | 2.43 | 2.41 | 0.53 | 1.00 | 2.94 | 2.94 | 0.64 | 1.36 | 3.42 | 3.42 | 0.74 | 2.03 | 3.90 | 3.90 | 0.84 | 2.90 |
| | | 19 | - | - | - | - | 3.64 | 2.36 | 0.79 | 2.41 | 3.61 | 2.89 | 0.78 | 2.36 | 3.57 | 3.41 | 0.77 | 2.29 | 3.91 | 3.91 | 0.84 | 2.92 |
| | | 20 | - | - | - | - | 4.44 | 2.33 | 0.96 | 4.02 | 4.40 | 2.86 | 0.95 | 3.95 | 4.37 | 3.38 | 0.95 | 3.89 | 4.33 | 3.90 | 0.94 | 3.79 |
| | 5 | 15 | 1.64 | 1.64 | 0.28 | 0.52 | 2.14 | 2.14 | 0.37 | 0.69 | 2.65 | 2.65 | 0.46 | 0.85 | 3.15 | 3.15 | 0.54 | 1.02 | 3.64 | 3.64 | 0.63 | 1.32 |
| | | 17 | 1.64 | 1.62 | 0.28 | 0.52 | 2.15 | 2.15 | 0.37 | 0.69 | 2.65 | 2.65 | 0.46 | 0.85 | 3.15 | 3.15 | 0.54 | 1.02 | 3.64 | 3.64 | 0.63 | 1.33 |
| | | 19 | - | - | - | - | 2.98 | 2.11 | 0.51 | 0.95 | 2.94 | 2.64 | 0.51 | 0.94 | 3.15 | 3.13 | 0.54 | 1.02 | 3.65 | 3.65 | 0.63 | 1.33 |
| | | 20 | - | - | - | - | 3.74 | 2.07 | 0.64 | 1.42 | 3.72 | 2.60 | 0.64 | 1.40 | 3.68 | 3.13 | 0.63 | 1.36 | 3.68 | 3.65 | 0.63 | 1.36 |
| 6 | 15 | 1.37 | 1.37 | 0.20 | 0.36 | 1.87 | 1.87 | 0.27 | 0.49 | 2.37 | 2.37 | 0.34 | 0.62 | 2.87 | 2.87 | 0.41 | 0.75 | 3.36 | 3.36 | 0.48 | 0.88 | |
| | 17 | 1.38 | 1.38 | 0.20 | 0.36 | 1.87 | 1.87 | 0.27 | 0.49 | 2.37 | 2.37 | 0.34 | 0.62 | 2.87 | 2.87 | 0.41 | 0.75 | 3.37 | 3.37 | 0.48 | 0.88 | |
| | 19 | - | - | - | - | 2.24 | 1.85 | 0.32 | 0.58 | 2.37 | 2.35 | 0.34 | 0.62 | 2.87 | 2.87 | 0.41 | 0.75 | 3.37 | 3.37 | 0.48 | 0.88 | |
| | 20 | - | - | - | - | 3.02 | 1.81 | 0.43 | 0.79 | 2.98 | 2.34 | 0.43 | 0.78 | 2.97 | 2.87 | 0.43 | 0.78 | 3.37 | 3.37 | 0.48 | 0.88 | |

Continue:

| MDVF-600C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | |
| 11 | 3 | 15 | 1.71 | 1.71 | 0.49 | 0.89 | 2.21 | 2.21 | 0.63 | 1.35 | 2.70 | 2.70 | 0.77 | 2.32 | 3.20 | 3.20 | 0.91 | 3.62 | 3.72 | 3.72 | 1.06 | 4.94 | |
| | | 17 | 1.73 | 1.71 | 0.49 | 0.90 | 2.22 | 2.22 | 0.63 | 1.36 | 2.70 | 2.70 | 0.77 | 2.33 | 3.20 | 3.20 | 0.91 | 3.63 | 3.73 | 3.73 | 1.06 | 4.95 | |
| | | 19 | - | - | - | - | 3.11 | 2.16 | 0.89 | 3.39 | 3.07 | 2.69 | 0.87 | 3.27 | 3.19 | 3.15 | 0.91 | 3.59 | 3.74 | 3.74 | 1.06 | 4.97 | |
| | | 20 | - | - | - | - | 4.02 | 2.17 | 1.15 | 5.63 | 3.99 | 2.70 | 1.14 | 5.55 | 3.95 | 3.22 | 1.13 | 5.47 | 3.89 | 3.74 | 1.11 | 5.33 | |
| | 4 | 15 | 1.43 | 1.43 | 0.31 | 0.55 | 1.93 | 1.93 | 0.41 | 0.74 | 2.44 | 2.44 | 0.52 | 0.94 | 2.93 | 2.93 | 0.63 | 1.35 | 3.41 | 3.41 | 0.73 | 2.03 | |
| | | 17 | 1.43 | 1.43 | 0.31 | 0.55 | 1.93 | 1.93 | 0.41 | 0.74 | 2.44 | 2.44 | 0.52 | 0.95 | 2.93 | 2.93 | 0.63 | 1.36 | 3.41 | 3.41 | 0.73 | 2.04 | |
| | | 19 | - | - | - | - | 2.42 | 1.91 | 0.52 | 0.94 | 2.45 | 2.44 | 0.52 | 0.95 | 2.94 | 2.94 | 0.63 | 1.36 | 3.42 | 3.42 | 0.73 | 2.05 | |
| | | 20 | - | - | - | - | 3.17 | 1.86 | 0.68 | 1.67 | 3.14 | 2.40 | 0.67 | 1.63 | 3.10 | 2.93 | 0.66 | 1.58 | 3.42 | 3.42 | 0.73 | 2.06 | |
| | 5 | 15 | 1.16 | 1.16 | 0.20 | 0.35 | 1.66 | 1.66 | 0.29 | 0.50 | 2.16 | 2.16 | 0.37 | 0.65 | 2.66 | 2.66 | 0.46 | 0.81 | 3.16 | 3.16 | 0.54 | 1.00 | |
| | | 17 | 1.16 | 1.16 | 0.20 | 0.35 | 1.66 | 1.66 | 0.29 | 0.50 | 2.16 | 2.16 | 0.37 | 0.66 | 2.67 | 2.67 | 0.46 | 0.81 | 3.16 | 3.16 | 0.54 | 1.00 | |
| | | 19 | - | - | - | - | 1.72 | 1.66 | 0.30 | 0.52 | 2.17 | 2.17 | 0.37 | 0.66 | 2.67 | 2.67 | 0.46 | 0.81 | 3.17 | 3.17 | 0.55 | 1.00 | |
| | | 20 | - | - | - | - | 2.46 | 1.62 | 0.42 | 0.74 | 2.42 | 2.15 | 0.42 | 0.73 | 2.66 | 2.64 | 0.46 | 0.81 | 3.17 | 3.17 | 0.55 | 1.00 | |
| | 6 | 15 | 0.90 | 0.90 | 0.13 | 0.22 | 1.39 | 1.39 | 0.20 | 0.34 | 1.88 | 1.88 | 0.27 | 0.47 | 2.38 | 2.38 | 0.34 | 0.59 | 2.88 | 2.88 | 0.41 | 0.72 | |
| | | 17 | 0.90 | 0.90 | 0.13 | 0.22 | 1.39 | 1.39 | 0.20 | 0.34 | 1.89 | 1.89 | 0.27 | 0.47 | 2.38 | 2.38 | 0.34 | 0.59 | 2.88 | 2.88 | 0.41 | 0.72 | |
| | | 19 | - | - | - | - | 1.39 | 1.38 | 0.20 | 0.35 | 1.89 | 1.89 | 0.27 | 0.47 | 2.39 | 2.39 | 0.34 | 0.59 | 2.89 | 2.89 | 0.41 | 0.72 | |
| | | 20 | - | - | - | - | 1.69 | 1.37 | 0.24 | 0.42 | 1.89 | 1.87 | 0.27 | 0.47 | 2.39 | 2.39 | 0.34 | 0.59 | 2.89 | 2.89 | 0.41 | 0.72 | |
| | 13 | 3 | 15 | 1.21 | 1.21 | 0.35 | 0.60 | 1.72 | 1.72 | 0.49 | 0.86 | 2.22 | 2.22 | 0.64 | 1.44 | 2.70 | 2.70 | 0.78 | 2.47 | 3.21 | 3.21 | 0.92 | 3.77 |
| | | | 17 | 1.21 | 1.21 | 0.35 | 0.60 | 1.72 | 1.72 | 0.49 | 0.86 | 2.22 | 2.22 | 0.64 | 1.44 | 2.71 | 2.71 | 0.78 | 2.48 | 3.22 | 3.22 | 0.92 | 3.78 |
| | | | 19 | - | - | - | - | 1.86 | 1.72 | 0.53 | 0.96 | 2.22 | 2.22 | 0.64 | 1.45 | 2.71 | 2.71 | 0.78 | 2.49 | 3.22 | 3.22 | 0.93 | 3.80 |
| | | | 20 | - | - | - | - | 2.58 | 1.66 | 0.74 | 2.19 | 2.55 | 2.20 | 0.73 | 2.10 | 2.69 | 2.65 | 0.77 | 2.45 | 3.23 | 3.23 | 0.93 | 3.80 |
| | | 4 | 15 | 0.94 | 0.94 | 0.20 | 0.34 | 1.44 | 1.44 | 0.31 | 0.52 | 1.94 | 1.94 | 0.42 | 0.71 | 2.45 | 2.45 | 0.53 | 0.93 | 2.93 | 2.93 | 0.63 | 1.42 |
| | | | 17 | 0.94 | 0.94 | 0.20 | 0.34 | 1.44 | 1.44 | 0.31 | 0.53 | 1.94 | 1.94 | 0.42 | 0.71 | 2.45 | 2.45 | 0.53 | 0.94 | 2.93 | 2.93 | 0.63 | 1.43 |
| | | | 19 | - | - | - | - | 1.44 | 1.42 | 0.31 | 0.53 | 1.95 | 1.95 | 0.42 | 0.71 | 2.45 | 2.45 | 0.53 | 0.94 | 2.94 | 2.94 | 0.63 | 1.43 |
| | | | 20 | - | - | - | - | 1.85 | 1.42 | 0.40 | 0.67 | 1.94 | 1.91 | 0.42 | 0.71 | 2.46 | 2.46 | 0.53 | 0.94 | 2.94 | 2.94 | 0.63 | 1.44 |
| 5 | | 15 | 0.67 | 0.67 | 0.12 | 0.19 | 1.16 | 1.16 | 0.20 | 0.33 | 1.66 | 1.66 | 0.29 | 0.48 | 2.16 | 2.16 | 0.37 | 0.62 | 2.66 | 2.66 | 0.46 | 0.76 | |
| | | 17 | 0.67 | 0.67 | 0.12 | 0.19 | 1.17 | 1.17 | 0.20 | 0.33 | 1.66 | 1.66 | 0.29 | 0.48 | 2.16 | 2.16 | 0.37 | 0.62 | 2.67 | 2.67 | 0.46 | 0.76 | |
| | | 19 | - | - | - | - | 1.17 | 1.17 | 0.20 | 0.33 | 1.67 | 1.67 | 0.29 | 0.48 | 2.17 | 2.17 | 0.37 | 0.62 | 2.67 | 2.67 | 0.46 | 0.77 | |
| | | 20 | - | - | - | - | 1.17 | 1.17 | 0.20 | 0.33 | 1.67 | 1.67 | 0.29 | 0.48 | 2.17 | 2.17 | 0.37 | 0.62 | 2.67 | 2.67 | 0.46 | 0.77 | |
| 6 | | 15 | 0.43 | 0.43 | 0.06 | 0.10 | 0.91 | 0.91 | 0.13 | 0.21 | 1.40 | 1.40 | 0.20 | 0.33 | 1.89 | 1.89 | 0.27 | 0.44 | 2.39 | 2.39 | 0.34 | 0.56 | |
| | | 17 | 0.43 | 0.43 | 0.06 | 0.10 | 0.91 | 0.91 | 0.13 | 0.21 | 1.40 | 1.40 | 0.20 | 0.33 | 1.89 | 1.89 | 0.27 | 0.44 | 2.39 | 2.39 | 0.34 | 0.56 | |
| | | 19 | - | - | - | - | 0.91 | 0.91 | 0.13 | 0.21 | 1.40 | 1.40 | 0.20 | 0.33 | 1.90 | 1.90 | 0.27 | 0.45 | 2.40 | 2.40 | 0.34 | 0.56 | |
| | | 20 | - | - | - | - | 0.91 | 0.90 | 0.13 | 0.21 | 1.40 | 1.40 | 0.20 | 0.33 | 1.90 | 1.90 | 0.27 | 0.45 | 2.40 | 2.40 | 0.34 | 0.56 | |
| 15 | | 3 | 15 | 0.70 | 0.70 | 0.20 | 0.33 | 1.21 | 1.21 | 0.34 | 0.56 | 1.72 | 1.72 | 0.49 | 0.82 | 2.21 | 2.21 | 0.63 | 1.45 | 2.70 | 2.70 | 0.77 | 2.50 |
| | | | 17 | 0.70 | 0.70 | 0.20 | 0.33 | 1.21 | 1.21 | 0.34 | 0.57 | 1.72 | 1.72 | 0.49 | 0.82 | 2.21 | 2.21 | 0.63 | 1.46 | 2.70 | 2.70 | 0.77 | 2.51 |
| | | | 19 | - | - | - | - | 1.21 | 1.21 | 0.35 | 0.57 | 1.72 | 1.72 | 0.49 | 0.82 | 2.21 | 2.21 | 0.63 | 1.46 | 2.71 | 2.71 | 0.77 | 2.52 |
| | | | 20 | - | - | - | - | 1.24 | 1.21 | 0.35 | 0.58 | 1.72 | 1.72 | 0.49 | 0.82 | 2.21 | 2.21 | 0.63 | 1.47 | 2.71 | 2.71 | 0.77 | 2.52 |
| | | 4 | 15 | 0.45 | 0.45 | 0.10 | 0.15 | 0.94 | 0.94 | 0.20 | 0.32 | 1.44 | 1.44 | 0.31 | 0.50 | 1.94 | 1.94 | 0.42 | 0.67 | 2.45 | 2.45 | 0.52 | 0.92 |
| | | | 17 | 0.45 | 0.45 | 0.10 | 0.15 | 0.94 | 0.94 | 0.20 | 0.32 | 1.44 | 1.44 | 0.31 | 0.50 | 1.95 | 1.95 | 0.42 | 0.67 | 2.45 | 2.45 | 0.52 | 0.92 |
| | | | 19 | - | - | - | - | 0.94 | 0.94 | 0.20 | 0.32 | 1.44 | 1.44 | 0.31 | 0.50 | 1.95 | 1.95 | 0.42 | 0.67 | 2.45 | 2.45 | 0.53 | 0.92 |
| | | | 20 | - | - | - | - | 0.94 | 0.94 | 0.20 | 0.32 | 1.45 | 1.45 | 0.31 | 0.50 | 1.95 | 1.95 | 0.42 | 0.67 | 2.45 | 2.45 | 0.53 | 0.93 |
| | 5 | 15 | 0.25 | 0.25 | 0.04 | 0.07 | 0.69 | 0.69 | 0.12 | 0.19 | 1.18 | 1.18 | 0.20 | 0.32 | 1.68 | 1.68 | 0.29 | 0.46 | 2.17 | 2.17 | 0.37 | 0.59 | |
| | | 17 | 0.25 | 0.25 | 0.04 | 0.07 | 0.69 | 0.69 | 0.12 | 0.19 | 1.18 | 1.18 | 0.20 | 0.32 | 1.68 | 1.68 | 0.29 | 0.46 | 2.18 | 2.18 | 0.38 | 0.60 | |
| | | 19 | - | - | - | - | 0.69 | 0.69 | 0.12 | 0.19 | 1.18 | 1.18 | 0.20 | 0.32 | 1.68 | 1.68 | 0.29 | 0.46 | 2.18 | 2.18 | 0.38 | 0.60 | |
| | | 20 | - | - | - | - | 0.69 | 0.69 | 0.12 | 0.19 | 1.18 | 1.18 | 0.20 | 0.32 | 1.68 | 1.68 | 0.29 | 0.46 | 2.18 | 2.18 | 0.38 | 0.60 | |
| | 6 | 15 | - | - | - | - | 0.44 | 0.44 | 0.06 | 0.10 | 0.92 | 0.92 | 0.13 | 0.21 | 1.41 | 1.41 | 0.20 | 0.32 | 1.90 | 1.90 | 0.27 | 0.43 | |
| | | 17 | - | - | - | - | 0.44 | 0.44 | 0.06 | 0.10 | 0.92 | 0.92 | 0.13 | 0.21 | 1.41 | 1.41 | 0.20 | 0.32 | 1.91 | 1.91 | 0.27 | 0.43 | |
| | | 19 | - | - | - | - | 0.44 | 0.44 | 0.06 | 0.10 | 0.92 | 0.92 | 0.13 | 0.21 | 1.41 | 1.41 | 0.20 | 0.32 | 1.91 | 1.91 | 0.27 | 0.43 | |
| | | 20 | - | - | - | - | 0.44 | 0.44 | 0.06 | 0.10 | 0.92 | 0.92 | 0.13 | 0.21 | 1.42 | 1.42 | 0.20 | 0.32 | 1.91 | 1.91 | 0.27 | 0.43 | |

Abbreviations:

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

Cooling Capacity

| MDVF-750C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|-------|------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|
| 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 | 3 | 15 | 4.13 | 3.46 | 1.19 | 6.24 | 4.08 | 4.03 | 1.17 | 6.10 | 4.61 | 4.61 | 1.32 | 7.58 | 5.18 | 5.18 | 1.49 | 9.23 | 5.73 | 5.73 | 1.65 | 10.98 | |
| | | 17 | 5.85 | 3.49 | 1.68 | 11.37 | 5.82 | 4.06 | 1.67 | 11.25 | 5.78 | 4.63 | 1.66 | 11.13 | 5.74 | 5.19 | 1.65 | 11.00 | 5.73 | 5.71 | 1.65 | 10.97 | |
| | | 19 | - | - | - | - | 7.61 | 4.07 | 2.17 | 17.61 | 7.57 | 4.64 | 2.16 | 17.43 | 7.53 | 5.20 | 2.15 | 17.26 | 7.48 | 5.76 | 2.14 | 17.08 | |
| | | 20 | - | - | - | - | 8.59 | 4.09 | 2.47 | 21.94 | 8.54 | 4.65 | 2.46 | 21.73 | 8.50 | 5.22 | 2.44 | 21.52 | 8.45 | 5.78 | 2.43 | 21.31 | |
| | 4 | 15 | 3.41 | 3.15 | 0.73 | 1.83 | 3.70 | 3.70 | 0.79 | 2.26 | 4.22 | 4.22 | 0.91 | 3.27 | 4.76 | 4.76 | 1.02 | 4.49 | 5.32 | 5.32 | 1.14 | 5.79 | |
| | | 17 | 4.87 | 3.06 | 1.05 | 4.76 | 4.84 | 3.63 | 1.04 | 4.69 | 4.81 | 4.20 | 1.04 | 4.61 | 4.78 | 4.77 | 1.03 | 4.53 | 5.32 | 5.32 | 1.15 | 5.81 | |
| | | 19 | - | - | - | - | 6.70 | 3.67 | 1.44 | 8.72 | 6.66 | 4.24 | 1.43 | 8.62 | 6.62 | 4.80 | 1.42 | 8.53 | 6.58 | 5.36 | 1.42 | 8.44 | |
| | | 20 | - | - | - | - | 7.66 | 3.67 | 1.64 | 10.83 | 7.61 | 4.24 | 1.63 | 10.72 | 7.57 | 4.81 | 1.62 | 10.61 | 7.52 | 5.37 | 1.61 | 10.50 | |
| | 5 | 15 | 2.84 | 2.82 | 0.49 | 1.02 | 3.40 | 3.40 | 0.58 | 1.22 | 3.94 | 3.94 | 0.68 | 1.53 | 4.46 | 4.46 | 0.77 | 2.08 | 4.97 | 4.97 | 0.85 | 2.80 | |
| | | 17 | 4.21 | 2.78 | 0.72 | 1.79 | 4.19 | 3.36 | 0.72 | 1.76 | 4.15 | 3.93 | 0.71 | 1.72 | 4.47 | 4.47 | 0.77 | 2.09 | 4.98 | 4.98 | 0.85 | 2.81 | |
| | | 19 | - | - | - | - | 5.70 | 3.25 | 0.98 | 4.04 | 5.67 | 3.82 | 0.97 | 3.98 | 5.63 | 4.39 | 0.97 | 3.92 | 5.60 | 4.95 | 0.96 | 3.85 | |
| | | 20 | - | - | - | - | 6.63 | 3.24 | 1.14 | 5.71 | 6.59 | 3.81 | 1.13 | 5.63 | 6.54 | 4.38 | 1.12 | 5.56 | 6.50 | 4.94 | 1.11 | 5.48 | |
| | 6 | 15 | 2.54 | 2.54 | 0.36 | 0.74 | 3.08 | 3.08 | 0.44 | 0.90 | 3.63 | 3.63 | 0.52 | 1.06 | 4.17 | 4.17 | 0.60 | 1.24 | 4.70 | 4.70 | 0.67 | 1.53 | |
| | | 17 | 3.50 | 2.49 | 0.50 | 1.02 | 3.46 | 3.07 | 0.49 | 1.01 | 3.62 | 3.60 | 0.52 | 1.06 | 4.17 | 4.17 | 0.60 | 1.24 | 4.71 | 4.71 | 0.67 | 1.54 | |
| | | 19 | - | - | - | - | 5.04 | 2.98 | 0.72 | 1.80 | 5.02 | 3.56 | 0.72 | 1.77 | 4.99 | 4.13 | 0.71 | 1.74 | 4.95 | 4.69 | 0.71 | 1.72 | |
| | | 20 | - | - | - | - | 5.81 | 2.91 | 0.83 | 2.64 | 5.78 | 3.49 | 0.83 | 2.60 | 5.75 | 4.06 | 0.82 | 2.56 | 5.72 | 4.62 | 0.82 | 2.52 | |
| | 7 | 3 | 15 | 2.92 | 2.90 | 0.84 | 2.70 | 3.47 | 3.47 | 1.00 | 4.29 | 4.04 | 4.04 | 1.16 | 5.91 | 4.61 | 4.61 | 1.32 | 7.42 | 5.18 | 5.18 | 1.48 | 9.02 |
| | | | 17 | 4.53 | 2.91 | 1.30 | 7.18 | 4.49 | 3.49 | 1.29 | 7.09 | 4.45 | 4.05 | 1.27 | 6.97 | 4.61 | 4.61 | 1.32 | 7.42 | 5.19 | 5.19 | 1.49 | 9.04 |
| | | | 19 | - | - | - | - | 6.33 | 3.51 | 1.82 | 12.72 | 6.29 | 4.08 | 1.80 | 12.58 | 6.26 | 4.65 | 1.79 | 12.45 | 6.22 | 5.20 | 1.78 | 12.31 |
| | | | 20 | - | - | - | - | 7.32 | 3.53 | 2.11 | 16.47 | 7.27 | 4.10 | 2.10 | 16.30 | 7.23 | 4.66 | 2.09 | 16.13 | 7.18 | 5.22 | 2.07 | 15.96 |
| 4 | | 15 | 2.63 | 2.63 | 0.57 | 1.14 | 3.18 | 3.18 | 0.68 | 1.59 | 3.69 | 3.69 | 0.79 | 2.36 | 4.22 | 4.22 | 0.91 | 3.40 | 4.77 | 4.77 | 1.03 | 4.62 | |
| | | 17 | 3.66 | 2.56 | 0.79 | 2.31 | 3.63 | 3.13 | 0.78 | 2.25 | 3.68 | 3.64 | 0.79 | 2.34 | 4.23 | 4.23 | 0.91 | 3.41 | 4.78 | 4.78 | 1.03 | 4.64 | |
| | | 19 | - | - | - | - | 5.33 | 3.10 | 1.15 | 5.80 | 5.29 | 3.67 | 1.14 | 5.73 | 5.25 | 4.23 | 1.13 | 5.65 | 5.20 | 4.79 | 1.12 | 5.55 | |
| | | 20 | - | - | - | - | 6.33 | 3.12 | 1.36 | 7.77 | 6.28 | 3.69 | 1.35 | 7.68 | 6.24 | 4.25 | 1.34 | 7.60 | 6.20 | 4.82 | 1.34 | 7.51 | |
| 5 | | 15 | 2.32 | 2.32 | 0.40 | 0.79 | 2.87 | 2.87 | 0.50 | 0.98 | 3.42 | 3.42 | 0.59 | 1.19 | 3.95 | 3.95 | 0.68 | 1.59 | 4.46 | 4.46 | 0.77 | 2.18 | |
| | | 17 | 2.99 | 2.29 | 0.52 | 1.02 | 2.97 | 2.87 | 0.51 | 1.01 | 3.42 | 3.42 | 0.59 | 1.19 | 3.95 | 3.95 | 0.68 | 1.59 | 4.46 | 4.46 | 0.77 | 2.19 | |
| | | 19 | - | - | - | - | 4.49 | 2.76 | 0.77 | 2.23 | 4.46 | 3.34 | 0.77 | 2.19 | 4.43 | 3.81 | 0.80 | 20.40 | 4.45 | 4.42 | 0.77 | 2.18 | |
| | | 20 | - | - | - | - | 5.29 | 2.71 | 0.91 | 3.46 | 5.26 | 3.28 | 0.90 | 3.40 | 5.23 | 3.86 | 0.90 | 3.35 | 5.19 | 4.42 | 0.89 | 3.29 | |
| 6 | | 15 | 2.02 | 2.02 | 0.29 | 0.56 | 2.56 | 2.56 | 0.37 | 0.71 | 3.10 | 3.10 | 0.45 | 0.86 | 3.65 | 3.65 | 0.52 | 1.01 | 4.18 | 4.18 | 0.60 | 1.22 | |
| | | 17 | 2.24 | 2.00 | 0.32 | 0.62 | 2.56 | 2.56 | 0.37 | 0.71 | 3.11 | 3.11 | 0.45 | 0.86 | 3.65 | 3.65 | 0.52 | 1.02 | 4.19 | 4.19 | 0.60 | 1.22 | |
| | | 19 | - | - | - | - | 3.81 | 2.50 | 0.55 | 1.07 | 3.77 | 3.08 | 0.54 | 1.05 | 3.75 | 3.65 | 0.54 | 1.05 | 4.20 | 4.20 | 0.60 | 1.23 | |
| | | 20 | - | - | - | - | 4.63 | 2.46 | 0.67 | 1.52 | 4.60 | 3.04 | 0.66 | 1.49 | 4.57 | 3.61 | 0.66 | 1.47 | 4.53 | 4.18 | 0.65 | 1.44 | |
| 9 | | 3 | 15 | 2.40 | 2.40 | 0.69 | 1.67 | 2.93 | 2.93 | 0.84 | 2.83 | 3.48 | 3.48 | 1.00 | 4.38 | 4.06 | 4.06 | 1.16 | 5.88 | 4.63 | 4.63 | 1.33 | 7.34 |
| | | | 17 | 3.13 | 2.34 | 0.90 | 3.38 | 3.08 | 2.92 | 0.88 | 3.25 | 3.48 | 3.48 | 1.00 | 4.40 | 4.06 | 4.06 | 1.17 | 5.89 | 4.63 | 4.63 | 1.33 | 7.36 |
| | | | 19 | - | - | - | - | 4.95 | 2.94 | 1.42 | 8.22 | 4.91 | 3.51 | 1.41 | 8.12 | 4.87 | 4.08 | 1.40 | 8.02 | 4.81 | 4.64 | 1.38 | 7.85 |
| | | | 20 | - | - | - | - | 5.91 | 2.95 | 1.70 | 11.15 | 5.88 | 3.52 | 1.69 | 11.02 | 5.84 | 4.09 | 1.67 | 10.90 | 5.80 | 4.66 | 1.66 | 10.78 |
| | 4 | 15 | 2.09 | 2.09 | 0.45 | 0.86 | 2.65 | 2.65 | 0.57 | 1.11 | 3.18 | 3.18 | 0.69 | 1.66 | 3.70 | 3.70 | 0.80 | 2.51 | 4.23 | 4.23 | 0.92 | 3.59 | |
| | | 17 | 2.43 | 2.08 | 0.53 | 1.00 | 2.64 | 2.62 | 0.57 | 1.11 | 3.18 | 3.18 | 0.69 | 1.66 | 3.70 | 3.70 | 0.80 | 2.52 | 4.23 | 4.23 | 0.92 | 3.60 | |
| | | 19 | - | - | - | - | 3.93 | 2.55 | 0.85 | 2.96 | 3.90 | 3.13 | 0.84 | 2.90 | 3.85 | 3.70 | 0.83 | 2.81 | 4.24 | 4.24 | 0.92 | 3.62 | |
| | | 20 | - | - | - | - | 4.83 | 2.53 | 1.04 | 4.79 | 4.80 | 3.11 | 1.03 | 4.72 | 4.76 | 3.68 | 1.02 | 4.64 | 4.71 | 4.24 | 1.01 | 4.53 | |
| | 5 | 15 | 1.79 | 1.79 | 0.31 | 0.57 | 2.33 | 2.33 | 0.40 | 0.75 | 2.88 | 2.88 | 0.49 | 0.92 | 3.42 | 3.42 | 0.59 | 1.16 | 3.94 | 3.94 | 0.68 | 1.62 | |
| | | 17 | 1.78 | 1.77 | 0.31 | 0.57 | 2.33 | 2.33 | 0.40 | 0.75 | 2.88 | 2.88 | 0.50 | 0.92 | 3.42 | 3.42 | 0.59 | 1.16 | 3.94 | 3.94 | 0.68 | 1.63 | |
| | | 19 | - | - | - | - | 3.23 | 2.29 | 0.56 | 1.06 | 3.19 | 2.87 | 0.55 | 1.04 | 3.42 | 3.41 | 0.59 | 1.16 | 3.95 | 3.95 | 0.68 | 1.63 | |
| | | 20 | - | - | - | - | 4.02 | 2.23 | 0.69 | 1.71 | 3.99 | 2.81 | 0.69 | 1.68 | 3.96 | 3.39 | 0.68 | 1.64 | 3.97 | 3.96 | 0.68 | 1.65 | |
| | 6 | 15 | 1.49 | 1.49 | 0.21 | 0.39 | 2.03 | 2.03 | 0.29 | 0.53 | 2.57 | 2.57 | 0.37 | 0.67 | 3.11 | 3.11 | 0.45 | 0.82 | 3.65 | 3.65 | 0.52 | 0.97 | |
| | | 17 | 1.50 | 1.50 | 0.21 | 0.39 | 2.03 | 2.03 | 0.29 | 0.53 | 2.58 | 2.58 | 0.37 | 0.67 | 3.12 | 3.12 | 0.45 | 0.82 | 3.66 | 3.66 | 0.52 | 0.97 | |
| | | 19 | - | - | - | - | 2.42 | 2.01 | 0.35 | 0.63 | 2.58 | 2.57 | 0.37 | 0.68 | 3.12 | 3.12 | 0.45 | 0.82 | 3.66 | 3.66 | 0.53 | 0.97 | |
| | | 20 | - | - | - | - | 3.27 | 1.97 | 0.47 | 0.86 | 3.23 | 2.55 | 0.46 | 0.85 | 3.23 | 3.12 | 0.46 | 0.84 | 3.67 | 3.67 | 0.53 | 0.97 | |

Continue:

| MDVF-750C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | |
| 11 | 3 | 15 | 1.86 | 1.86 | 0.53 | 0.97 | 2.39 | 2.39 | 0.68 | 1.67 | 2.92 | 2.92 | 0.83 | 2.89 | 3.49 | 3.49 | 0.99 | 4.38 | 4.06 | 4.06 | 1.16 | 5.73 | |
| | | 17 | 1.88 | 1.86 | 0.53 | 0.98 | 2.40 | 2.40 | 0.68 | 1.68 | 2.93 | 2.93 | 0.83 | 2.90 | 3.49 | 3.49 | 1.00 | 4.39 | 4.07 | 4.07 | 1.16 | 5.74 | |
| | | 19 | - | - | - | - | 3.40 | 2.35 | 0.97 | 4.15 | 3.35 | 2.93 | 0.95 | 4.02 | 3.47 | 3.43 | 0.99 | 4.35 | 4.08 | 4.08 | 1.16 | 5.76 | |
| | | 20 | - | - | - | - | 4.40 | 2.37 | 1.26 | 6.56 | 4.37 | 2.95 | 1.25 | 6.48 | 4.33 | 3.52 | 1.23 | 6.38 | 4.27 | 4.08 | 1.22 | 6.23 | |
| | 4 | 15 | 1.55 | 1.55 | 0.33 | 0.59 | 2.10 | 2.10 | 0.45 | 0.80 | 2.65 | 2.65 | 0.57 | 1.08 | 3.17 | 3.17 | 0.68 | 1.67 | 3.69 | 3.69 | 0.79 | 2.53 | |
| | | 17 | 1.55 | 1.55 | 0.33 | 0.59 | 2.10 | 2.10 | 0.45 | 0.81 | 2.65 | 2.65 | 0.57 | 1.08 | 3.17 | 3.17 | 0.68 | 1.68 | 3.70 | 3.70 | 0.79 | 2.54 | |
| | | 19 | - | - | - | - | 2.63 | 2.08 | 0.56 | 1.06 | 2.66 | 2.66 | 0.57 | 1.08 | 3.18 | 3.18 | 0.68 | 1.69 | 3.70 | 3.70 | 0.79 | 2.55 | |
| | | 20 | - | - | - | - | 3.40 | 2.01 | 0.73 | 2.03 | 3.37 | 2.59 | 0.72 | 1.98 | 3.33 | 3.17 | 0.71 | 1.92 | 3.71 | 3.71 | 0.79 | 2.56 | |
| | 5 | 15 | 1.26 | 1.26 | 0.22 | 0.38 | 1.80 | 1.80 | 0.31 | 0.55 | 2.35 | 2.35 | 0.40 | 0.71 | 2.89 | 2.89 | 0.50 | 0.88 | 3.43 | 3.43 | 0.59 | 1.18 | |
| | | 17 | 1.26 | 1.26 | 0.22 | 0.38 | 1.81 | 1.81 | 0.31 | 0.55 | 2.35 | 2.35 | 0.40 | 0.71 | 2.90 | 2.90 | 0.50 | 0.88 | 3.43 | 3.43 | 0.59 | 1.18 | |
| | | 19 | - | - | - | - | 1.87 | 1.80 | 0.32 | 0.57 | 2.35 | 2.35 | 0.41 | 0.71 | 2.90 | 2.90 | 0.50 | 0.88 | 3.44 | 3.44 | 0.59 | 1.18 | |
| | | 20 | - | - | - | - | 2.67 | 1.76 | 0.46 | 0.81 | 2.63 | 2.34 | 0.45 | 0.80 | 2.90 | 2.88 | 0.50 | 0.88 | 3.44 | 3.44 | 0.59 | 1.19 | |
| | 6 | 15 | 0.98 | 0.98 | 0.14 | 0.24 | 1.51 | 1.51 | 0.22 | 0.37 | 2.05 | 2.05 | 0.29 | 0.51 | 2.59 | 2.59 | 0.37 | 0.64 | 3.13 | 3.13 | 0.45 | 0.78 | |
| | | 17 | 0.98 | 0.98 | 0.14 | 0.24 | 1.51 | 1.51 | 0.22 | 0.38 | 2.05 | 2.05 | 0.29 | 0.51 | 2.59 | 2.59 | 0.37 | 0.64 | 3.13 | 3.13 | 0.45 | 0.78 | |
| | | 19 | - | - | - | - | 1.51 | 1.50 | 0.22 | 0.38 | 2.06 | 2.06 | 0.29 | 0.51 | 2.60 | 2.60 | 0.37 | 0.65 | 3.14 | 3.14 | 0.45 | 0.78 | |
| | | 20 | - | - | - | - | 1.84 | 1.48 | 0.26 | 0.45 | 2.06 | 2.04 | 0.29 | 0.51 | 2.60 | 2.60 | 0.37 | 0.65 | 3.14 | 3.14 | 0.45 | 0.78 | |
| | 13 | 3 | 15 | 1.31 | 1.31 | 0.38 | 0.65 | 1.87 | 1.87 | 0.54 | 0.97 | 2.40 | 2.40 | 0.69 | 1.78 | 2.94 | 2.94 | 0.84 | 3.06 | 3.51 | 3.51 | 1.01 | 4.45 |
| | | | 17 | 1.32 | 1.32 | 0.38 | 0.65 | 1.87 | 1.87 | 0.54 | 0.97 | 2.40 | 2.40 | 0.69 | 1.79 | 2.94 | 2.94 | 0.84 | 3.07 | 3.51 | 3.51 | 1.01 | 4.46 |
| | | | 19 | - | - | - | - | 2.01 | 1.86 | 0.58 | 1.12 | 2.40 | 2.40 | 0.69 | 1.80 | 2.94 | 2.94 | 0.85 | 3.09 | 3.52 | 3.52 | 1.01 | 4.47 |
| | | | 20 | - | - | - | - | 2.79 | 1.80 | 0.80 | 2.70 | 2.75 | 2.38 | 0.79 | 2.58 | 2.93 | 2.89 | 0.84 | 3.04 | 3.52 | 3.52 | 1.01 | 4.48 |
| 4 | | 15 | 1.02 | 1.02 | 0.22 | 0.37 | 1.56 | 1.56 | 0.34 | 0.57 | 2.11 | 2.11 | 0.45 | 0.77 | 2.65 | 2.65 | 0.57 | 1.10 | 3.17 | 3.17 | 0.68 | 1.77 | |
| | | 17 | 1.02 | 1.02 | 0.22 | 0.37 | 1.56 | 1.56 | 0.34 | 0.57 | 2.11 | 2.11 | 0.46 | 0.77 | 2.66 | 2.66 | 0.57 | 1.10 | 3.17 | 3.17 | 0.68 | 1.77 | |
| | | 19 | - | - | - | - | 1.56 | 1.55 | 0.34 | 0.57 | 2.12 | 2.12 | 0.46 | 0.77 | 2.66 | 2.66 | 0.57 | 1.11 | 3.18 | 3.18 | 0.68 | 1.78 | |
| | | 20 | - | - | - | - | 2.00 | 1.54 | 0.43 | 0.73 | 2.11 | 2.09 | 0.45 | 0.77 | 2.66 | 2.66 | 0.57 | 1.11 | 3.18 | 3.18 | 0.69 | 1.78 | |
| 5 | | 15 | 0.73 | 0.73 | 0.13 | 0.21 | 1.26 | 1.26 | 0.22 | 0.36 | 1.81 | 1.81 | 0.31 | 0.52 | 2.35 | 2.35 | 0.40 | 0.67 | 2.89 | 2.89 | 0.50 | 0.85 | |
| | | 17 | 0.73 | 0.73 | 0.13 | 0.21 | 1.27 | 1.27 | 0.22 | 0.36 | 1.81 | 1.81 | 0.31 | 0.52 | 2.35 | 2.35 | 0.40 | 0.67 | 2.90 | 2.90 | 0.50 | 0.85 | |
| | | 19 | - | - | - | - | 1.27 | 1.27 | 0.22 | 0.36 | 1.81 | 1.81 | 0.31 | 0.52 | 2.36 | 2.36 | 0.40 | 0.68 | 2.90 | 2.90 | 0.50 | 0.85 | |
| | | 20 | - | - | - | - | 1.28 | 1.28 | 0.22 | 0.36 | 1.81 | 1.81 | 0.31 | 0.52 | 2.36 | 2.36 | 0.40 | 0.68 | 2.91 | 2.91 | 0.50 | 0.85 | |
| 6 | | 15 | 0.47 | 0.47 | 0.07 | 0.11 | 0.99 | 0.99 | 0.14 | 0.23 | 1.52 | 1.52 | 0.22 | 0.36 | 2.06 | 2.06 | 0.29 | 0.48 | 2.60 | 2.60 | 0.37 | 0.61 | |
| | | 17 | 0.47 | 0.47 | 0.07 | 0.11 | 0.99 | 0.99 | 0.14 | 0.23 | 1.52 | 1.52 | 0.22 | 0.36 | 2.06 | 2.06 | 0.29 | 0.48 | 2.60 | 2.60 | 0.37 | 0.61 | |
| | | 19 | - | - | - | - | 0.99 | 0.99 | 0.14 | 0.23 | 1.52 | 1.52 | 0.22 | 0.36 | 2.06 | 2.06 | 0.30 | 0.48 | 2.61 | 2.61 | 0.37 | 0.61 | |
| | | 20 | - | - | - | - | 0.99 | 0.98 | 0.14 | 0.23 | 1.52 | 1.52 | 0.22 | 0.36 | 2.06 | 2.06 | 0.30 | 0.49 | 2.61 | 2.61 | 0.37 | 0.61 | |
| 15 | | 3 | 15 | 0.76 | 0.76 | 0.22 | 0.36 | 1.31 | 1.31 | 0.37 | 0.61 | 1.86 | 1.86 | 0.53 | 0.95 | 2.39 | 2.39 | 0.68 | 1.80 | 2.93 | 2.93 | 0.84 | 3.08 |
| | | | 17 | 0.76 | 0.76 | 0.22 | 0.36 | 1.31 | 1.31 | 0.37 | 0.61 | 1.87 | 1.87 | 0.53 | 0.95 | 2.39 | 2.39 | 0.68 | 1.81 | 2.94 | 2.94 | 0.84 | 3.09 |
| | | | 19 | - | - | - | - | 1.32 | 1.32 | 0.38 | 0.61 | 1.87 | 1.87 | 0.53 | 0.95 | 2.40 | 2.40 | 0.68 | 1.82 | 2.94 | 2.94 | 0.84 | 3.10 |
| | | | 20 | - | - | - | - | 1.35 | 1.32 | 0.39 | 0.63 | 1.87 | 1.87 | 0.53 | 0.95 | 2.40 | 2.40 | 0.68 | 1.82 | 2.95 | 2.95 | 0.84 | 3.10 |
| | 4 | 15 | 0.49 | 0.49 | 0.10 | 0.17 | 1.02 | 1.02 | 0.22 | 0.35 | 1.57 | 1.57 | 0.34 | 0.54 | 2.11 | 2.11 | 0.45 | 0.73 | 2.65 | 2.65 | 0.57 | 1.11 | |
| | | 17 | 0.49 | 0.49 | 0.10 | 0.17 | 1.02 | 1.02 | 0.22 | 0.35 | 1.57 | 1.57 | 0.34 | 0.54 | 2.12 | 2.12 | 0.45 | 0.73 | 2.65 | 2.65 | 0.57 | 1.12 | |
| | | 19 | - | - | - | - | 1.02 | 1.02 | 0.22 | 0.35 | 1.57 | 1.57 | 0.34 | 0.54 | 2.12 | 2.12 | 0.45 | 0.73 | 2.66 | 2.66 | 0.57 | 1.12 | |
| | | 20 | - | - | - | - | 1.02 | 1.02 | 0.22 | 0.35 | 1.57 | 1.57 | 0.34 | 0.54 | 2.12 | 2.12 | 0.45 | 0.74 | 2.66 | 2.66 | 0.57 | 1.12 | |
| | 5 | 15 | 0.26 | 0.26 | 0.05 | 0.07 | 0.74 | 0.74 | 0.13 | 0.20 | 1.28 | 1.28 | 0.22 | 0.35 | 1.82 | 1.82 | 0.31 | 0.50 | 2.37 | 2.37 | 0.41 | 0.65 | |
| | | 17 | 0.26 | 0.26 | 0.05 | 0.07 | 0.75 | 0.75 | 0.13 | 0.20 | 1.28 | 1.28 | 0.22 | 0.35 | 1.83 | 1.83 | 0.31 | 0.50 | 2.37 | 2.37 | 0.41 | 0.65 | |
| | | 19 | - | - | - | - | 0.75 | 0.75 | 0.13 | 0.20 | 1.28 | 1.28 | 0.22 | 0.35 | 1.83 | 1.83 | 0.31 | 0.50 | 2.37 | 2.37 | 0.41 | 0.65 | |
| | | 20 | - | - | - | - | 0.75 | 0.75 | 0.13 | 0.20 | 1.29 | 1.29 | 0.22 | 0.35 | 1.83 | 1.83 | 0.32 | 0.50 | 2.37 | 2.37 | 0.41 | 0.65 | |
| | 6 | 15 | - | - | - | - | 0.48 | 0.48 | 0.07 | 0.11 | 1.00 | 1.00 | 0.14 | 0.22 | 1.53 | 1.53 | 0.22 | 0.34 | 2.07 | 2.07 | 0.30 | 0.46 | |
| | | 17 | - | - | - | - | 0.48 | 0.48 | 0.07 | 0.11 | 1.00 | 1.00 | 0.14 | 0.22 | 1.54 | 1.54 | 0.22 | 0.34 | 2.07 | 2.07 | 0.30 | 0.47 | |
| | | 19 | - | - | - | - | 0.48 | 0.48 | 0.07 | 0.11 | 1.00 | 1.00 | 0.14 | 0.22 | 1.54 | 1.54 | 0.22 | 0.34 | 2.08 | 2.08 | 0.30 | 0.47 | |
| | | 20 | - | - | - | - | 0.48 | 0.48 | 0.07 | 0.11 | 1.00 | 1.00 | 0.14 | 0.22 | 1.54 | 1.54 | 0.22 | 0.34 | 2.08 | 2.08 | 0.30 | 0.47 | |

Abbreviations:

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

Cooling Capacity

| MDVF-850C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|-------|------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|
| 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 | 3 | 15 | 4.48 | 3.72 | 1.29 | 7.22 | 4.42 | 4.32 | 1.27 | 7.07 | 4.93 | 4.93 | 1.42 | 8.49 | 5.53 | 5.53 | 1.59 | 10.32 | 6.12 | 6.12 | 1.76 | 12.27 | |
| | | 17 | 6.29 | 3.74 | 1.81 | 12.87 | 6.25 | 4.35 | 1.80 | 12.73 | 6.21 | 4.95 | 1.79 | 12.59 | 6.17 | 5.54 | 1.77 | 12.45 | 6.14 | 6.13 | 1.76 | 12.32 | |
| | | 19 | - | - | - | - | 8.18 | 4.37 | 2.35 | 20.15 | 8.13 | 4.97 | 2.34 | 19.94 | 8.08 | 5.56 | 2.32 | 19.75 | 8.04 | 6.15 | 2.31 | 19.55 | |
| | | 20 | - | - | - | - | 9.19 | 4.37 | 2.64 | 24.65 | 9.14 | 4.97 | 2.63 | 24.40 | 9.09 | 5.57 | 2.61 | 24.16 | 9.04 | 6.16 | 2.60 | 23.93 | |
| | 4 | 15 | 3.66 | 3.36 | 0.79 | 2.20 | 3.95 | 3.95 | 0.85 | 2.72 | 4.51 | 4.51 | 0.97 | 3.91 | 5.09 | 5.09 | 1.10 | 5.28 | 5.69 | 5.69 | 1.23 | 6.60 | |
| | | 17 | 5.28 | 3.30 | 1.14 | 5.72 | 5.25 | 3.90 | 1.13 | 5.64 | 5.21 | 4.50 | 1.12 | 5.55 | 5.15 | 5.10 | 1.11 | 5.42 | 5.70 | 5.70 | 1.23 | 6.62 | |
| | | 19 | - | - | - | - | 7.21 | 3.94 | 1.55 | 9.82 | 7.18 | 4.55 | 1.55 | 9.80 | 7.14 | 5.14 | 1.54 | 9.70 | 7.09 | 5.74 | 1.53 | 9.60 | |
| | | 20 | - | - | - | - | 8.24 | 3.95 | 1.76 | 12.27 | 8.19 | 4.55 | 1.75 | 12.14 | 8.14 | 5.15 | 1.74 | 12.02 | 8.09 | 5.74 | 1.73 | 11.90 | |
| | 5 | 15 | 3.05 | 3.03 | 0.52 | 1.09 | 3.64 | 3.64 | 0.63 | 1.34 | 4.21 | 4.21 | 0.72 | 1.79 | 4.75 | 4.75 | 0.82 | 2.48 | 5.30 | 5.30 | 0.91 | 3.34 | |
| | | 17 | 4.52 | 2.97 | 0.78 | 2.16 | 4.49 | 3.58 | 0.77 | 2.12 | 4.45 | 4.19 | 0.76 | 2.07 | 4.76 | 4.76 | 0.82 | 2.49 | 5.31 | 5.31 | 0.91 | 3.35 | |
| | | 19 | - | - | - | - | 6.16 | 3.49 | 1.06 | 4.90 | 6.13 | 4.10 | 1.05 | 4.82 | 6.09 | 4.70 | 1.05 | 4.75 | 6.05 | 5.29 | 1.04 | 4.68 | |
| | | 20 | - | - | - | - | 7.21 | 3.51 | 1.24 | 6.66 | 7.16 | 4.11 | 1.23 | 6.58 | 7.11 | 4.71 | 1.22 | 6.51 | 7.06 | 5.31 | 1.21 | 6.43 | |
| | 6 | 15 | 2.73 | 2.73 | 0.39 | 0.80 | 3.31 | 3.31 | 0.47 | 0.97 | 3.89 | 3.89 | 0.56 | 1.14 | 4.46 | 4.46 | 0.64 | 1.37 | 5.01 | 5.01 | 0.72 | 1.77 | |
| | | 17 | 3.81 | 2.68 | 0.54 | 1.11 | 3.76 | 3.29 | 0.54 | 1.10 | 3.88 | 3.86 | 0.55 | 1.14 | 4.47 | 4.47 | 0.64 | 1.38 | 5.02 | 5.02 | 0.72 | 1.78 | |
| | | 19 | - | - | - | - | 5.41 | 3.19 | 0.77 | 2.17 | 5.38 | 3.80 | 0.77 | 2.13 | 5.35 | 4.40 | 0.76 | 2.10 | 5.30 | 5.00 | 0.76 | 2.05 | |
| | | 20 | - | - | - | - | 6.25 | 3.12 | 0.89 | 3.21 | 6.22 | 3.73 | 0.89 | 3.16 | 6.18 | 4.34 | 0.88 | 3.12 | 6.15 | 4.94 | 0.88 | 3.07 | |
| | 7 | 3 | 15 | 3.12 | 3.12 | 0.90 | 3.26 | 3.71 | 3.71 | 1.07 | 5.03 | 4.32 | 4.32 | 1.24 | 6.65 | 4.93 | 4.93 | 1.41 | 8.30 | 5.53 | 5.53 | 1.58 | 10.08 |
| | | | 17 | 4.90 | 3.13 | 1.40 | 8.20 | 4.86 | 3.74 | 1.39 | 8.10 | 4.81 | 4.34 | 1.38 | 7.97 | 4.92 | 4.90 | 1.41 | 8.28 | 5.54 | 5.54 | 1.59 | 10.11 |
| | | | 19 | - | - | - | - | 6.80 | 3.76 | 1.95 | 14.36 | 6.76 | 4.37 | 1.94 | 14.21 | 6.72 | 4.96 | 1.92 | 14.05 | 6.67 | 5.56 | 1.91 | 13.90 |
| | | | 20 | - | - | - | - | 7.84 | 3.77 | 2.26 | 18.54 | 7.79 | 4.38 | 2.25 | 18.34 | 7.74 | 4.98 | 2.24 | 18.15 | 7.70 | 5.57 | 2.22 | 17.97 |
| | | 4 | 15 | 2.82 | 2.82 | 0.61 | 1.25 | 3.39 | 3.39 | 0.73 | 1.86 | 3.94 | 3.94 | 0.85 | 2.82 | 4.51 | 4.51 | 0.97 | 4.04 | 5.11 | 5.11 | 1.10 | 5.36 |
| | | | 17 | 3.94 | 2.73 | 0.85 | 2.81 | 3.90 | 3.34 | 0.84 | 2.74 | 3.93 | 3.89 | 0.84 | 2.79 | 4.52 | 4.52 | 0.97 | 4.06 | 5.12 | 5.12 | 1.10 | 5.38 |
| | | | 19 | - | - | - | - | 5.79 | 3.34 | 1.25 | 6.68 | 5.75 | 3.94 | 1.24 | 6.60 | 5.71 | 4.54 | 1.23 | 6.53 | 5.65 | 5.14 | 1.22 | 6.42 |
| | | | 20 | - | - | - | - | 6.83 | 3.36 | 1.47 | 8.85 | 6.79 | 3.96 | 1.46 | 8.76 | 6.74 | 4.56 | 1.45 | 8.66 | 6.70 | 5.16 | 1.44 | 8.56 |
| 5 | | 15 | 2.50 | 2.50 | 0.43 | 0.85 | 3.08 | 3.08 | 0.53 | 1.05 | 3.66 | 3.66 | 0.63 | 1.34 | 4.21 | 4.21 | 0.72 | 1.87 | 4.75 | 4.75 | 0.82 | 2.59 | |
| | | 17 | 3.26 | 2.46 | 0.56 | 1.11 | 3.23 | 3.08 | 0.56 | 1.10 | 3.66 | 3.66 | 0.63 | 1.34 | 4.21 | 4.21 | 0.73 | 1.88 | 4.76 | 4.76 | 0.82 | 2.60 | |
| | | 19 | - | - | - | - | 4.81 | 2.95 | 0.83 | 2.68 | 4.79 | 3.56 | 0.82 | 2.64 | 4.73 | 3.93 | 0.85 | 25.00 | 4.75 | 4.73 | 0.82 | 2.59 | |
| | | 20 | - | - | - | - | 5.73 | 2.92 | 0.98 | 4.21 | 5.69 | 3.53 | 0.98 | 4.15 | 5.65 | 4.13 | 0.97 | 4.08 | 5.61 | 4.73 | 0.96 | 4.01 | |
| 6 | | 15 | 2.18 | 2.18 | 0.31 | 0.60 | 2.75 | 2.75 | 0.40 | 0.76 | 3.33 | 3.33 | 0.48 | 0.93 | 3.91 | 3.91 | 0.56 | 1.10 | 4.47 | 4.47 | 0.64 | 1.40 | |
| | | 17 | 2.46 | 2.16 | 0.35 | 0.68 | 2.75 | 2.74 | 0.40 | 0.76 | 3.34 | 3.34 | 0.48 | 0.93 | 3.91 | 3.91 | 0.56 | 1.10 | 4.48 | 4.48 | 0.64 | 1.40 | |
| | | 19 | - | - | - | - | 4.14 | 2.69 | 0.60 | 1.20 | 4.10 | 3.31 | 0.59 | 1.18 | 4.07 | 3.91 | 0.59 | 1.17 | 4.49 | 4.49 | 0.64 | 1.40 | |
| | | 20 | - | - | - | - | 4.97 | 2.63 | 0.71 | 1.82 | 4.94 | 3.24 | 0.71 | 1.80 | 4.91 | 3.85 | 0.71 | 1.76 | 4.87 | 4.45 | 0.70 | 1.72 | |
| 9 | | 3 | 15 | 2.56 | 2.56 | 0.74 | 1.98 | 3.13 | 3.13 | 0.90 | 3.37 | 3.73 | 3.73 | 1.07 | 5.07 | 4.34 | 4.34 | 1.25 | 6.59 | 4.94 | 4.94 | 1.42 | 8.21 |
| | | | 17 | 3.39 | 2.51 | 0.97 | 4.12 | 3.33 | 3.12 | 0.96 | 3.97 | 3.73 | 3.73 | 1.07 | 5.08 | 4.35 | 4.35 | 1.25 | 6.60 | 4.95 | 4.95 | 1.42 | 8.23 |
| | | | 19 | - | - | - | - | 5.33 | 3.16 | 1.53 | 9.35 | 5.30 | 3.76 | 1.52 | 9.24 | 5.26 | 4.36 | 1.51 | 9.12 | 5.19 | 4.96 | 1.49 | 8.93 |
| | | | 20 | - | - | - | - | 6.36 | 3.16 | 1.82 | 12.61 | 6.31 | 3.77 | 1.81 | 12.46 | 6.27 | 4.37 | 1.80 | 12.32 | 6.23 | 4.97 | 1.79 | 12.19 |
| | | 4 | 15 | 2.25 | 2.25 | 0.49 | 0.92 | 2.83 | 2.83 | 0.61 | 1.25 | 3.39 | 3.39 | 0.73 | 1.98 | 3.95 | 3.95 | 0.85 | 3.00 | 4.52 | 4.52 | 0.98 | 4.22 |
| | | | 17 | 2.65 | 2.23 | 0.57 | 1.11 | 2.83 | 2.80 | 0.61 | 1.25 | 3.39 | 3.39 | 0.73 | 1.98 | 3.95 | 3.95 | 0.85 | 3.01 | 4.53 | 4.53 | 0.98 | 4.23 |
| | | | 19 | - | - | - | - | 4.25 | 2.74 | 0.92 | 3.62 | 4.21 | 3.35 | 0.91 | 3.55 | 4.16 | 3.95 | 0.90 | 3.44 | 4.54 | 4.54 | 0.98 | 4.25 |
| | | | 20 | - | - | - | - | 5.27 | 2.74 | 1.13 | 5.59 | 5.23 | 3.35 | 1.12 | 5.51 | 5.19 | 3.95 | 1.12 | 5.44 | 5.13 | 4.55 | 1.10 | 5.34 |
| | 5 | 15 | 1.92 | 1.92 | 0.33 | 0.61 | 2.50 | 2.50 | 0.43 | 0.80 | 3.08 | 3.08 | 0.53 | 0.99 | 3.65 | 3.65 | 0.63 | 1.34 | 4.20 | 4.20 | 0.72 | 1.93 | |
| | | 17 | 1.93 | 1.93 | 0.33 | 0.62 | 2.51 | 2.51 | 0.43 | 0.80 | 3.09 | 3.09 | 0.53 | 0.99 | 3.66 | 3.66 | 0.63 | 1.34 | 4.20 | 4.20 | 0.72 | 1.94 | |
| | | 19 | - | - | - | - | 3.50 | 2.46 | 0.60 | 1.22 | 3.46 | 3.07 | 0.60 | 1.19 | 3.66 | 3.63 | 0.63 | 1.34 | 4.21 | 4.21 | 0.72 | 1.95 | |
| | | 20 | - | - | - | - | 4.31 | 2.39 | 0.74 | 2.08 | 4.29 | 3.00 | 0.74 | 2.04 | 4.24 | 3.61 | 0.73 | 1.99 | 4.24 | 4.21 | 0.73 | 1.99 | |
| | 6 | 15 | 1.61 | 1.61 | 0.23 | 0.42 | 2.19 | 2.19 | 0.31 | 0.57 | 2.77 | 2.77 | 0.40 | 0.72 | 3.34 | 3.34 | 0.48 | 0.87 | 3.91 | 3.91 | 0.56 | 1.07 | |
| | | 17 | 1.62 | 1.61 | 0.23 | 0.42 | 2.19 | 2.19 | 0.31 | 0.57 | 2.77 | 2.77 | 0.40 | 0.72 | 3.34 | 3.34 | 0.48 | 0.88 | 3.92 | 3.92 | 0.56 | 1.07 | |
| | | 19 | - | - | - | - | 2.66 | 2.16 | 0.38 | 0.70 | 2.78 | 2.78 | 0.40 | 0.73 | 3.35 | 3.35 | 0.48 | 0.88 | 3.93 | 3.93 | 0.56 | 1.07 | |
| | | 20 | - | - | - | - | 3.57 | 2.12 | 0.51 | 0.94 | 3.53 | 2.74 | 0.51 | 0.93 | 3.51 | 3.34 | 0.50 | 0.92 | 3.93 | 3.92 | 0.56 | 1.07 | |

Continue:

| MDVF-850C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | |
| 11 | 3 | 15 | 1.99 | 1.99 | 0.57 | 1.08 | 2.55 | 2.55 | 0.73 | 1.99 | 3.13 | 3.13 | 0.89 | 3.43 | 3.74 | 3.74 | 1.06 | 4.97 | 4.34 | 4.34 | 1.24 | 6.41 | |
| | | 17 | 2.03 | 1.99 | 0.58 | 1.12 | 2.55 | 2.55 | 0.73 | 2.00 | 3.13 | 3.13 | 0.89 | 3.44 | 3.74 | 3.74 | 1.07 | 4.98 | 4.35 | 4.35 | 1.24 | 6.43 | |
| | | 19 | - | - | - | - | 3.71 | 2.53 | 1.06 | 4.91 | 3.65 | 3.14 | 1.04 | 4.78 | 3.72 | 3.68 | 1.06 | 4.94 | 4.36 | 4.36 | 1.24 | 6.45 | |
| | | 20 | - | - | - | - | 4.76 | 2.55 | 1.36 | 7.50 | 4.73 | 3.16 | 1.35 | 7.41 | 4.69 | 3.77 | 1.34 | 7.29 | 4.62 | 4.37 | 1.32 | 7.13 | |
| | 4 | 15 | 1.67 | 1.67 | 0.36 | 0.64 | 2.25 | 2.25 | 0.48 | 0.86 | 2.83 | 2.83 | 0.61 | 1.24 | 3.38 | 3.38 | 0.72 | 1.99 | 3.94 | 3.94 | 0.84 | 3.02 | |
| | | 17 | 1.67 | 1.67 | 0.36 | 0.64 | 2.25 | 2.25 | 0.48 | 0.86 | 2.83 | 2.83 | 0.61 | 1.24 | 3.38 | 3.38 | 0.72 | 2.00 | 3.95 | 3.95 | 0.85 | 3.03 | |
| | | 19 | - | - | - | - | 2.84 | 2.22 | 0.61 | 1.25 | 2.86 | 2.84 | 0.61 | 1.27 | 3.39 | 3.39 | 0.73 | 2.01 | 3.96 | 3.96 | 0.85 | 3.04 | |
| | | 20 | - | - | - | - | 3.66 | 2.15 | 0.78 | 2.48 | 3.63 | 2.77 | 0.78 | 2.42 | 3.58 | 3.38 | 0.77 | 2.34 | 3.96 | 3.96 | 0.85 | 3.05 | |
| | 5 | 15 | 1.36 | 1.36 | 0.23 | 0.41 | 1.94 | 1.94 | 0.33 | 0.59 | 2.52 | 2.52 | 0.43 | 0.76 | 3.10 | 3.10 | 0.53 | 0.97 | 3.66 | 3.66 | 0.63 | 1.38 | |
| | | 17 | 1.36 | 1.36 | 0.23 | 0.41 | 1.94 | 1.94 | 0.33 | 0.59 | 2.52 | 2.52 | 0.43 | 0.76 | 3.10 | 3.10 | 0.53 | 0.97 | 3.66 | 3.66 | 0.63 | 1.39 | |
| | | 19 | - | - | - | - | 2.04 | 1.94 | 0.35 | 0.62 | 2.53 | 2.52 | 0.43 | 0.77 | 3.11 | 3.11 | 0.54 | 0.97 | 3.67 | 3.67 | 0.63 | 1.39 | |
| | | 20 | - | - | - | - | 2.91 | 1.89 | 0.50 | 0.89 | 2.87 | 2.51 | 0.49 | 0.87 | 3.10 | 3.08 | 0.53 | 0.97 | 3.67 | 3.67 | 0.63 | 1.40 | |
| | 6 | 15 | 1.06 | 1.06 | 0.15 | 0.26 | 1.63 | 1.63 | 0.23 | 0.40 | 2.20 | 2.20 | 0.32 | 0.55 | 2.78 | 2.78 | 0.40 | 0.69 | 3.35 | 3.35 | 0.48 | 0.84 | |
| | | 17 | 1.06 | 1.06 | 0.15 | 0.26 | 1.63 | 1.63 | 0.23 | 0.40 | 2.21 | 2.21 | 0.32 | 0.55 | 2.78 | 2.78 | 0.40 | 0.69 | 3.36 | 3.36 | 0.48 | 0.84 | |
| | | 19 | - | - | - | - | 1.63 | 1.62 | 0.23 | 0.40 | 2.21 | 2.21 | 0.32 | 0.55 | 2.79 | 2.79 | 0.40 | 0.69 | 3.36 | 3.36 | 0.48 | 0.84 | |
| | | 20 | - | - | - | - | 2.03 | 1.60 | 0.29 | 0.50 | 2.22 | 2.22 | 0.32 | 0.55 | 2.79 | 2.79 | 0.40 | 0.69 | 3.37 | 3.37 | 0.48 | 0.84 | |
| | 13 | 3 | 15 | 1.41 | 1.41 | 0.41 | 0.70 | 2.00 | 2.00 | 0.57 | 1.10 | 2.56 | 2.56 | 0.73 | 2.13 | 3.14 | 3.14 | 0.90 | 3.59 | 3.75 | 3.75 | 1.08 | 4.99 |
| | | | 17 | 1.41 | 1.41 | 0.41 | 0.70 | 2.00 | 2.00 | 0.57 | 1.11 | 2.56 | 2.56 | 0.73 | 2.14 | 3.15 | 3.15 | 0.90 | 3.61 | 3.76 | 3.76 | 1.08 | 5.01 |
| | | | 19 | - | - | - | - | 2.16 | 1.99 | 0.62 | 1.35 | 2.56 | 2.56 | 0.74 | 2.14 | 3.15 | 3.15 | 0.90 | 3.62 | 3.77 | 3.77 | 1.08 | 5.02 |
| | | | 20 | - | - | - | - | 3.03 | 1.93 | 0.87 | 3.30 | 2.98 | 2.55 | 0.85 | 3.17 | 3.13 | 3.07 | 0.90 | 3.55 | 3.77 | 3.77 | 1.08 | 5.03 |
| | | 4 | 15 | 1.10 | 1.10 | 0.24 | 0.40 | 1.68 | 1.68 | 0.36 | 0.61 | 2.26 | 2.26 | 0.49 | 0.83 | 2.83 | 2.83 | 0.61 | 1.30 | 3.38 | 3.38 | 0.73 | 2.11 |
| | | | 17 | 1.10 | 1.10 | 0.24 | 0.40 | 1.68 | 1.68 | 0.36 | 0.61 | 2.27 | 2.27 | 0.49 | 0.83 | 2.83 | 2.83 | 0.61 | 1.30 | 3.39 | 3.39 | 0.73 | 2.12 |
| | | | 19 | - | - | - | - | 1.68 | 1.66 | 0.36 | 0.61 | 2.27 | 2.27 | 0.49 | 0.84 | 2.84 | 2.84 | 0.61 | 1.31 | 3.40 | 3.40 | 0.73 | 2.12 |
| | | | 20 | - | - | - | - | 2.19 | 1.66 | 0.47 | 0.80 | 2.27 | 2.26 | 0.49 | 0.84 | 2.84 | 2.84 | 0.61 | 1.31 | 3.39 | 3.39 | 0.73 | 2.13 |
| 5 | | 15 | 0.79 | 0.79 | 0.14 | 0.23 | 1.36 | 1.36 | 0.23 | 0.39 | 1.94 | 1.94 | 0.33 | 0.56 | 2.52 | 2.52 | 0.43 | 0.72 | 3.10 | 3.10 | 0.53 | 0.95 | |
| | | 17 | 0.79 | 0.79 | 0.14 | 0.23 | 1.37 | 1.37 | 0.23 | 0.39 | 1.95 | 1.95 | 0.33 | 0.56 | 2.52 | 2.52 | 0.43 | 0.72 | 3.10 | 3.10 | 0.53 | 0.95 | |
| | | 19 | - | - | - | - | 1.37 | 1.37 | 0.23 | 0.39 | 1.95 | 1.95 | 0.33 | 0.56 | 2.53 | 2.53 | 0.43 | 0.72 | 3.11 | 3.11 | 0.53 | 0.95 | |
| | | 20 | - | - | - | - | 1.39 | 1.37 | 0.24 | 0.40 | 1.95 | 1.95 | 0.33 | 0.56 | 2.53 | 2.53 | 0.43 | 0.72 | 3.11 | 3.11 | 0.53 | 0.95 | |
| 6 | | 15 | 0.51 | 0.51 | 0.07 | 0.12 | 1.07 | 1.07 | 0.15 | 0.25 | 1.64 | 1.64 | 0.23 | 0.38 | 2.21 | 2.21 | 0.32 | 0.52 | 2.79 | 2.79 | 0.40 | 0.65 | |
| | | 17 | 0.51 | 0.51 | 0.07 | 0.12 | 1.07 | 1.07 | 0.15 | 0.25 | 1.64 | 1.64 | 0.23 | 0.38 | 2.21 | 2.21 | 0.32 | 0.52 | 2.79 | 2.79 | 0.40 | 0.66 | |
| | | 19 | - | - | - | - | 1.07 | 1.07 | 0.15 | 0.25 | 1.64 | 1.64 | 0.24 | 0.39 | 2.22 | 2.22 | 0.32 | 0.52 | 2.79 | 2.79 | 0.40 | 0.66 | |
| | | 20 | - | - | - | - | 1.07 | 1.06 | 0.15 | 0.25 | 1.64 | 1.64 | 0.24 | 0.39 | 2.22 | 2.22 | 0.32 | 0.52 | 2.80 | 2.80 | 0.40 | 0.66 | |
| 15 | | 3 | 15 | 0.82 | 0.82 | 0.23 | 0.38 | 1.41 | 1.41 | 0.40 | 0.66 | 1.99 | 1.99 | 0.57 | 1.10 | 2.55 | 2.55 | 0.73 | 2.16 | 3.14 | 3.14 | 0.90 | 3.57 |
| | | | 17 | 0.83 | 0.83 | 0.24 | 0.38 | 1.41 | 1.41 | 0.40 | 0.66 | 1.99 | 1.99 | 0.57 | 1.10 | 2.55 | 2.55 | 0.73 | 2.16 | 3.15 | 3.15 | 0.90 | 3.58 |
| | | | 19 | - | - | - | - | 1.41 | 1.41 | 0.40 | 0.66 | 2.00 | 2.00 | 0.57 | 1.11 | 2.56 | 2.56 | 0.73 | 2.17 | 3.15 | 3.15 | 0.90 | 3.59 |
| | | | 20 | - | - | - | - | 1.47 | 1.41 | 0.42 | 0.69 | 2.00 | 2.00 | 0.57 | 1.11 | 2.56 | 2.56 | 0.73 | 2.18 | 3.16 | 3.16 | 0.90 | 3.60 |
| | | 4 | 15 | 0.53 | 0.53 | 0.11 | 0.18 | 1.10 | 1.10 | 0.24 | 0.38 | 1.68 | 1.68 | 0.36 | 0.58 | 2.26 | 2.26 | 0.49 | 0.80 | 2.82 | 2.82 | 0.60 | 1.32 |
| | | | 17 | 0.53 | 0.53 | 0.11 | 0.18 | 1.10 | 1.10 | 0.24 | 0.38 | 1.68 | 1.68 | 0.36 | 0.58 | 2.27 | 2.27 | 0.49 | 0.80 | 2.83 | 2.83 | 0.61 | 1.33 |
| | | | 19 | - | - | - | - | 1.10 | 1.10 | 0.24 | 0.38 | 1.69 | 1.69 | 0.36 | 0.58 | 2.27 | 2.27 | 0.49 | 0.80 | 2.83 | 2.83 | 0.61 | 1.33 |
| | | | 20 | - | - | - | - | 1.10 | 1.09 | 0.24 | 0.38 | 1.69 | 1.69 | 0.36 | 0.58 | 2.27 | 2.27 | 0.49 | 0.81 | 2.83 | 2.83 | 0.61 | 1.33 |
| | 5 | 15 | 0.28 | 0.28 | 0.05 | 0.08 | 0.81 | 0.81 | 0.14 | 0.22 | 1.38 | 1.38 | 0.24 | 0.38 | 1.96 | 1.96 | 0.34 | 0.53 | 2.53 | 2.53 | 0.44 | 0.69 | |
| | | 17 | 0.28 | 0.28 | 0.05 | 0.08 | 0.81 | 0.81 | 0.14 | 0.22 | 1.38 | 1.38 | 0.24 | 0.38 | 1.96 | 1.96 | 0.34 | 0.54 | 2.54 | 2.54 | 0.44 | 0.70 | |
| | | 19 | - | - | - | - | 0.81 | 0.81 | 0.14 | 0.22 | 1.38 | 1.38 | 0.24 | 0.38 | 1.96 | 1.96 | 0.34 | 0.54 | 2.54 | 2.54 | 0.44 | 0.70 | |
| | | 20 | - | - | - | - | 0.81 | 0.81 | 0.14 | 0.22 | 1.39 | 1.39 | 0.24 | 0.38 | 1.96 | 1.96 | 0.34 | 0.54 | 2.55 | 2.55 | 0.44 | 0.70 | |
| | 6 | 15 | - | - | - | - | 0.52 | 0.52 | 0.07 | 0.12 | 1.08 | 1.08 | 0.16 | 0.24 | 1.65 | 1.65 | 0.24 | 0.37 | 2.23 | 2.23 | 0.32 | 0.50 | |
| | | 17 | - | - | - | - | 0.52 | 0.52 | 0.07 | 0.12 | 1.08 | 1.08 | 0.16 | 0.24 | 1.65 | 1.65 | 0.24 | 0.37 | 2.23 | 2.23 | 0.32 | 0.50 | |
| | | 19 | - | - | - | - | 0.52 | 0.52 | 0.08 | 0.12 | 1.09 | 1.09 | 0.16 | 0.24 | 1.66 | 1.66 | 0.24 | 0.37 | 2.23 | 2.23 | 0.32 | 0.50 | |
| | | 20 | - | - | - | - | 0.52 | 0.52 | 0.08 | 0.12 | 1.09 | 1.09 | 0.16 | 0.24 | 1.66 | 1.66 | 0.24 | 0.37 | 2.23 | 2.23 | 0.32 | 0.50 | |

Abbreviations:

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

Cooling Capacity

| MDVF-950C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|-------|------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|
| 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 | 3 | 15 | 4.69 | 3.88 | 1.35 | 7.69 | 4.63 | 4.50 | 1.33 | 7.53 | 5.13 | 5.13 | 1.47 | 8.95 | 5.75 | 5.75 | 1.65 | 10.86 | 6.36 | 6.36 | 1.83 | 12.91 | |
| | | 17 | 6.56 | 3.90 | 1.89 | 13.62 | 6.52 | 4.53 | 1.88 | 13.47 | 6.48 | 5.15 | 1.86 | 13.33 | 6.44 | 5.76 | 1.85 | 13.18 | 6.39 | 6.37 | 1.84 | 13.01 | |
| | | 19 | - | - | - | - | 8.51 | 4.54 | 2.45 | 21.27 | 8.46 | 5.17 | 2.43 | 21.05 | 8.41 | 5.78 | 2.42 | 20.84 | 8.36 | 6.39 | 2.41 | 20.64 | |
| | | 20 | - | - | - | - | 9.56 | 4.55 | 2.75 | 25.99 | 9.51 | 5.17 | 2.74 | 25.74 | 9.46 | 5.79 | 2.72 | 25.48 | 9.40 | 6.40 | 2.70 | 25.23 | |
| | 4 | 15 | 3.81 | 3.49 | 0.82 | 2.44 | 4.10 | 4.10 | 0.88 | 2.98 | 4.69 | 4.69 | 1.01 | 4.26 | 5.30 | 5.30 | 1.14 | 5.68 | 5.93 | 5.93 | 1.28 | 6.98 | |
| | | 17 | 5.54 | 3.45 | 1.19 | 6.19 | 5.50 | 4.07 | 1.18 | 6.11 | 5.46 | 4.70 | 1.18 | 6.03 | 5.40 | 5.31 | 1.16 | 5.89 | 5.94 | 5.94 | 1.28 | 7.00 | |
| | | 19 | - | - | - | - | 7.53 | 4.10 | 1.61 | 10.37 | 7.48 | 4.73 | 1.60 | 10.26 | 7.43 | 5.35 | 1.59 | 10.15 | 7.39 | 5.96 | 1.58 | 10.04 | |
| | | 20 | - | - | - | - | 8.60 | 4.12 | 1.84 | 12.99 | 8.54 | 4.74 | 1.83 | 12.86 | 8.49 | 5.36 | 1.82 | 12.73 | 8.44 | 5.98 | 1.81 | 12.60 | |
| | 5 | 15 | 3.18 | 3.16 | 0.55 | 1.12 | 3.79 | 3.79 | 0.65 | 1.40 | 4.37 | 4.37 | 0.75 | 1.94 | 4.94 | 4.94 | 0.85 | 2.71 | 5.51 | 5.51 | 0.95 | 3.65 | |
| | | 17 | 4.70 | 3.09 | 0.81 | 2.37 | 4.67 | 3.72 | 0.80 | 2.33 | 4.63 | 4.35 | 0.79 | 2.27 | 4.94 | 4.94 | 0.85 | 2.72 | 5.52 | 5.52 | 0.95 | 3.66 | |
| | | 19 | - | - | - | - | 6.46 | 3.65 | 1.11 | 5.36 | 6.42 | 4.28 | 1.10 | 5.29 | 6.38 | 4.90 | 1.10 | 5.21 | 6.33 | 5.51 | 1.09 | 5.13 | |
| | | 20 | - | - | - | - | 7.55 | 3.67 | 1.30 | 7.11 | 7.50 | 4.30 | 1.29 | 7.03 | 7.46 | 4.92 | 1.28 | 6.96 | 7.41 | 5.54 | 1.27 | 6.88 | |
| | 6 | 15 | 2.85 | 2.85 | 0.41 | 0.82 | 3.45 | 3.45 | 0.49 | 0.99 | 4.05 | 4.05 | 0.58 | 1.17 | 4.64 | 4.64 | 0.66 | 1.46 | 5.21 | 5.21 | 0.74 | 1.92 | |
| | | 17 | 3.99 | 2.80 | 0.57 | 1.15 | 3.95 | 3.43 | 0.56 | 1.14 | 4.04 | 4.02 | 0.58 | 1.17 | 4.65 | 4.65 | 0.66 | 1.46 | 5.21 | 5.21 | 0.75 | 1.93 | |
| | | 19 | - | - | - | - | 5.63 | 3.31 | 0.81 | 2.38 | 5.60 | 3.95 | 0.80 | 2.35 | 5.57 | 4.57 | 0.80 | 2.31 | 5.52 | 5.19 | 0.79 | 2.25 | |
| | | 20 | - | - | - | - | 6.53 | 3.26 | 0.93 | 3.55 | 6.49 | 3.89 | 0.93 | 3.50 | 6.45 | 4.51 | 0.92 | 3.44 | 6.41 | 5.13 | 0.92 | 3.39 | |
| | 7 | 3 | 15 | 3.25 | 3.25 | 0.94 | 3.58 | 3.87 | 3.87 | 1.11 | 5.40 | 4.50 | 4.50 | 1.29 | 7.01 | 5.13 | 5.13 | 1.47 | 8.75 | 5.75 | 5.75 | 1.65 | 10.61 |
| | | | 17 | 5.12 | 3.26 | 1.47 | 8.71 | 5.08 | 3.89 | 1.46 | 8.61 | 5.03 | 4.52 | 1.44 | 8.47 | 5.12 | 5.08 | 1.47 | 8.71 | 5.76 | 5.76 | 1.65 | 10.64 |
| | | | 19 | - | - | - | - | 7.11 | 3.92 | 2.05 | 15.45 | 7.07 | 4.55 | 2.04 | 15.28 | 7.02 | 5.17 | 2.03 | 15.12 | 6.98 | 5.78 | 2.01 | 14.96 |
| | | | 20 | - | - | - | - | 8.16 | 3.93 | 2.36 | 19.58 | 8.11 | 4.56 | 2.34 | 19.38 | 8.06 | 5.18 | 2.33 | 19.18 | 8.01 | 5.79 | 2.31 | 18.98 |
| 4 | | 15 | 2.94 | 2.94 | 0.63 | 1.31 | 3.52 | 3.52 | 0.76 | 2.03 | 4.10 | 4.10 | 0.88 | 3.09 | 4.70 | 4.70 | 1.01 | 4.39 | 5.32 | 5.32 | 1.15 | 5.70 | |
| | | 17 | 4.11 | 2.84 | 0.88 | 3.11 | 4.07 | 3.48 | 0.87 | 3.03 | 4.08 | 4.05 | 0.88 | 3.06 | 4.70 | 4.70 | 1.01 | 4.41 | 5.33 | 5.33 | 1.15 | 5.72 | |
| | | 19 | - | - | - | - | 6.06 | 3.49 | 1.31 | 7.12 | 6.02 | 4.11 | 1.30 | 7.04 | 5.98 | 4.74 | 1.29 | 6.96 | 5.92 | 5.35 | 1.28 | 6.85 | |
| | | 20 | - | - | - | - | 7.14 | 3.50 | 1.54 | 9.40 | 7.09 | 4.13 | 1.53 | 9.30 | 7.05 | 4.75 | 1.52 | 9.19 | 7.00 | 5.37 | 1.51 | 9.09 | |
| 5 | | 15 | 2.60 | 2.60 | 0.45 | 0.87 | 3.21 | 3.21 | 0.55 | 1.08 | 3.80 | 3.80 | 0.66 | 1.43 | 4.37 | 4.37 | 0.75 | 2.04 | 4.94 | 4.94 | 0.85 | 2.83 | |
| | | 17 | 3.41 | 2.57 | 0.59 | 1.17 | 3.38 | 3.20 | 0.58 | 1.15 | 3.81 | 3.81 | 0.66 | 1.44 | 4.37 | 4.37 | 0.75 | 2.05 | 4.94 | 4.94 | 0.85 | 2.84 | |
| | | 19 | - | - | - | - | 5.02 | 3.07 | 0.86 | 2.97 | 4.99 | 3.71 | 0.86 | 2.92 | 4.96 | 4.10 | 0.89 | 35.00 | 4.95 | 4.93 | 0.85 | 2.84 | |
| | | 20 | - | - | - | - | 6.01 | 3.05 | 1.03 | 4.63 | 5.96 | 3.68 | 1.03 | 4.56 | 5.92 | 4.31 | 1.02 | 4.49 | 5.88 | 4.93 | 1.01 | 4.42 | |
| 6 | | 15 | 2.27 | 2.27 | 0.33 | 0.62 | 2.87 | 2.87 | 0.41 | 0.79 | 3.47 | 3.47 | 0.50 | 0.95 | 4.07 | 4.07 | 0.58 | 1.15 | 4.65 | 4.65 | 0.67 | 1.51 | |
| | | 17 | 2.59 | 2.25 | 0.37 | 0.71 | 2.87 | 2.86 | 0.41 | 0.79 | 3.48 | 3.48 | 0.50 | 0.95 | 4.07 | 4.07 | 0.59 | 1.15 | 4.65 | 4.65 | 0.67 | 1.51 | |
| | | 19 | - | - | - | - | 4.33 | 2.81 | 0.62 | 1.28 | 4.29 | 3.44 | 0.62 | 1.26 | 4.26 | 4.07 | 0.61 | 1.24 | 4.66 | 4.66 | 0.67 | 1.52 | |
| | | 20 | - | - | - | - | 5.17 | 2.73 | 0.74 | 2.00 | 5.14 | 3.37 | 0.74 | 1.97 | 5.11 | 4.00 | 0.73 | 1.94 | 5.06 | 4.62 | 0.73 | 1.89 | |
| 9 | | 3 | 15 | 2.66 | 2.66 | 0.76 | 2.16 | 3.25 | 3.25 | 0.93 | 3.68 | 3.88 | 3.88 | 1.11 | 5.37 | 4.52 | 4.52 | 1.30 | 6.94 | 5.14 | 5.14 | 1.47 | 8.64 |
| | | | 17 | 3.55 | 2.62 | 1.02 | 4.52 | 3.50 | 3.25 | 1.00 | 4.37 | 3.89 | 3.89 | 1.12 | 5.39 | 4.52 | 4.52 | 1.30 | 6.96 | 5.15 | 5.15 | 1.48 | 8.67 |
| | | | 19 | - | - | - | - | 5.57 | 3.29 | 1.60 | 9.91 | 5.53 | 3.92 | 1.59 | 9.80 | 5.49 | 4.54 | 1.58 | 9.67 | 5.43 | 5.16 | 1.56 | 9.48 |
| | | | 20 | - | - | - | - | 6.63 | 3.30 | 1.90 | 13.34 | 6.58 | 3.93 | 1.89 | 13.19 | 6.54 | 4.55 | 1.88 | 13.04 | 6.50 | 5.17 | 1.86 | 12.89 |
| | 4 | 15 | 2.34 | 2.34 | 0.51 | 0.94 | 2.94 | 2.94 | 0.64 | 1.34 | 3.52 | 3.52 | 0.76 | 2.16 | 4.10 | 4.10 | 0.89 | 3.27 | 4.72 | 4.72 | 1.02 | 4.54 | |
| | | 17 | 2.77 | 2.32 | 0.60 | 1.18 | 2.94 | 2.91 | 0.63 | 1.34 | 3.52 | 3.52 | 0.76 | 2.17 | 4.11 | 4.11 | 0.89 | 3.28 | 4.71 | 4.71 | 1.01 | 4.48 | |
| | | 19 | - | - | - | - | 4.45 | 2.85 | 0.96 | 3.99 | 4.41 | 3.49 | 0.95 | 3.91 | 4.35 | 4.11 | 0.94 | 3.79 | 4.72 | 4.72 | 1.02 | 4.50 | |
| | | 20 | - | - | - | - | 5.53 | 2.87 | 1.19 | 5.97 | 5.49 | 3.50 | 1.18 | 5.90 | 5.45 | 4.13 | 1.17 | 5.82 | 5.39 | 4.74 | 1.16 | 5.72 | |
| | 5 | 15 | 2.00 | 2.00 | 0.34 | 0.63 | 2.61 | 2.61 | 0.45 | 0.82 | 3.21 | 3.21 | 0.55 | 1.03 | 3.80 | 3.80 | 0.65 | 1.45 | 4.36 | 4.36 | 0.75 | 2.11 | |
| | | 17 | 2.02 | 2.01 | 0.35 | 0.64 | 2.61 | 2.61 | 0.45 | 0.82 | 3.22 | 3.22 | 0.55 | 1.03 | 3.80 | 3.80 | 0.65 | 1.45 | 4.37 | 4.37 | 0.75 | 2.12 | |
| | | 19 | - | - | - | - | 3.66 | 2.56 | 0.63 | 1.32 | 3.62 | 3.20 | 0.62 | 1.29 | 3.80 | 3.77 | 0.65 | 1.45 | 4.37 | 4.37 | 0.75 | 2.13 | |
| | | 20 | - | - | - | - | 4.50 | 2.48 | 0.77 | 2.29 | 4.47 | 3.12 | 0.77 | 2.25 | 4.42 | 3.75 | 0.76 | 2.19 | 4.41 | 4.38 | 0.76 | 2.18 | |
| | 6 | 15 | 1.69 | 1.69 | 0.24 | 0.43 | 2.28 | 2.28 | 0.33 | 0.59 | 2.88 | 2.88 | 0.41 | 0.74 | 3.48 | 3.48 | 0.50 | 0.90 | 4.07 | 4.07 | 0.58 | 1.13 | |
| | | 17 | 1.69 | 1.69 | 0.24 | 0.43 | 2.29 | 2.29 | 0.33 | 0.59 | 2.89 | 2.89 | 0.41 | 0.74 | 3.48 | 3.48 | 0.50 | 0.90 | 4.08 | 4.08 | 0.58 | 1.13 | |
| | | 19 | - | - | - | - | 2.80 | 2.26 | 0.40 | 0.72 | 2.90 | 2.90 | 0.42 | 0.75 | 3.49 | 3.49 | 0.50 | 0.90 | 4.08 | 4.08 | 0.59 | 1.14 | |
| | | 20 | - | - | - | - | 3.75 | 2.21 | 0.54 | 0.98 | 3.70 | 2.85 | 0.53 | 0.97 | 3.68 | 3.48 | 0.53 | 0.96 | 4.09 | 4.08 | 0.59 | 1.14 | |

Continue:

| MDVF-950C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|--------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | |
| 11 | 3 | 15 | 2.07 | 2.07 | 0.59 | 1.14 | 2.65 | 2.65 | 0.76 | 2.18 | 3.26 | 3.26 | 0.93 | 3.72 | 3.89 | 3.89 | 1.11 | 5.25 | 4.52 | 4.52 | 1.29 | 6.76 | |
| | | 17 | 2.12 | 2.07 | 0.60 | 1.20 | 2.65 | 2.65 | 0.76 | 2.19 | 3.26 | 3.26 | 0.93 | 3.73 | 3.90 | 3.90 | 1.11 | 5.26 | 4.53 | 4.53 | 1.29 | 6.78 | |
| | | 19 | - | - | - | - | 3.90 | 2.65 | 1.11 | 5.26 | 3.84 | 3.28 | 1.10 | 5.13 | 3.88 | 3.85 | 1.11 | 5.22 | 4.53 | 4.53 | 1.29 | 6.80 | |
| | | 20 | - | - | - | - | 4.98 | 2.66 | 1.42 | 7.98 | 4.94 | 3.30 | 1.41 | 7.87 | 4.90 | 3.92 | 1.40 | 7.76 | 4.84 | 4.54 | 1.38 | 7.59 | |
| | 4 | 15 | 1.74 | 1.74 | 0.37 | 0.66 | 2.34 | 2.34 | 0.50 | 0.89 | 2.94 | 2.94 | 0.63 | 1.34 | 3.51 | 3.51 | 0.75 | 2.18 | 4.10 | 4.10 | 0.88 | 3.28 | |
| | | 17 | 1.74 | 1.74 | 0.37 | 0.66 | 2.35 | 2.35 | 0.50 | 0.89 | 2.94 | 2.94 | 0.63 | 1.35 | 3.52 | 3.52 | 0.75 | 2.19 | 4.11 | 4.11 | 0.88 | 3.30 | |
| | | 19 | - | - | - | - | 2.96 | 2.31 | 0.63 | 1.36 | 2.97 | 2.95 | 0.64 | 1.38 | 3.52 | 3.52 | 0.75 | 2.20 | 4.12 | 4.12 | 0.88 | 3.31 | |
| | | 20 | - | - | - | - | 3.83 | 2.24 | 0.82 | 2.75 | 3.79 | 2.88 | 0.81 | 2.68 | 3.74 | 3.51 | 0.80 | 2.59 | 4.12 | 4.12 | 0.88 | 3.32 | |
| | 5 | 15 | 1.42 | 1.42 | 0.24 | 0.42 | 2.02 | 2.02 | 0.35 | 0.60 | 2.62 | 2.62 | 0.45 | 0.78 | 3.22 | 3.22 | 0.56 | 1.02 | 3.80 | 3.80 | 0.65 | 1.51 | |
| | | 17 | 1.42 | 1.42 | 0.25 | 0.42 | 2.03 | 2.03 | 0.35 | 0.60 | 2.63 | 2.63 | 0.45 | 0.78 | 3.23 | 3.23 | 0.56 | 1.02 | 3.80 | 3.80 | 0.65 | 1.51 | |
| | | 19 | - | - | - | - | 2.14 | 2.02 | 0.37 | 0.64 | 2.63 | 2.63 | 0.45 | 0.79 | 3.23 | 3.23 | 0.56 | 1.03 | 3.81 | 3.81 | 0.66 | 1.52 | |
| | | 20 | - | - | - | - | 3.05 | 1.98 | 0.53 | 0.93 | 3.01 | 2.61 | 0.52 | 0.91 | 3.23 | 3.20 | 0.56 | 1.02 | 3.81 | 3.81 | 0.66 | 1.52 | |
| | 6 | 15 | 1.11 | 1.11 | 0.16 | 0.27 | 1.70 | 1.70 | 0.24 | 0.42 | 2.30 | 2.30 | 0.33 | 0.56 | 2.90 | 2.90 | 0.42 | 0.71 | 3.49 | 3.49 | 0.50 | 0.86 | |
| | | 17 | 1.11 | 1.11 | 0.16 | 0.27 | 1.71 | 1.71 | 0.24 | 0.42 | 2.30 | 2.30 | 0.33 | 0.56 | 2.90 | 2.90 | 0.42 | 0.71 | 3.50 | 3.50 | 0.50 | 0.87 | |
| | | 19 | - | - | - | - | 1.70 | 1.69 | 0.24 | 0.42 | 2.31 | 2.31 | 0.33 | 0.56 | 2.91 | 2.91 | 0.42 | 0.71 | 3.50 | 3.50 | 0.50 | 0.87 | |
| | | 20 | - | - | - | - | 2.14 | 1.67 | 0.31 | 0.52 | 2.32 | 2.32 | 0.33 | 0.57 | 2.91 | 2.91 | 0.42 | 0.71 | 3.51 | 3.51 | 0.50 | 0.87 | |
| | 13 | 3 | 15 | 1.47 | 1.47 | 0.42 | 0.72 | 2.08 | 2.08 | 0.60 | 1.19 | 2.66 | 2.66 | 0.76 | 2.33 | 3.27 | 3.27 | 0.94 | 3.86 | 3.91 | 3.91 | 1.12 | 5.26 |
| | | | 17 | 1.47 | 1.47 | 0.42 | 0.72 | 2.08 | 2.08 | 0.60 | 1.20 | 2.66 | 2.66 | 0.76 | 2.34 | 3.28 | 3.28 | 0.94 | 3.87 | 3.91 | 3.91 | 1.12 | 5.28 |
| | | | 19 | - | - | - | - | 2.25 | 2.06 | 0.65 | 1.48 | 2.67 | 2.67 | 0.77 | 2.35 | 3.28 | 3.28 | 0.94 | 3.89 | 3.92 | 3.92 | 1.13 | 5.29 |
| | | | 20 | - | - | - | - | 3.18 | 2.02 | 0.91 | 3.64 | 3.13 | 2.65 | 0.90 | 3.50 | 3.26 | 3.20 | 0.93 | 3.82 | 3.92 | 3.92 | 1.13 | 5.30 |
| | | 4 | 15 | 1.15 | 1.15 | 0.25 | 0.41 | 1.75 | 1.75 | 0.38 | 0.63 | 2.36 | 2.36 | 0.51 | 0.87 | 2.94 | 2.94 | 0.63 | 1.42 | 3.51 | 3.51 | 0.76 | 2.31 |
| | | | 17 | 1.15 | 1.15 | 0.25 | 0.41 | 1.75 | 1.75 | 0.38 | 0.63 | 2.36 | 2.36 | 0.51 | 0.87 | 2.94 | 2.94 | 0.63 | 1.42 | 3.52 | 3.52 | 0.76 | 2.32 |
| | | | 19 | - | - | - | - | 1.75 | 1.72 | 0.38 | 0.63 | 2.36 | 2.36 | 0.51 | 0.87 | 2.95 | 2.95 | 0.63 | 1.43 | 3.53 | 3.53 | 0.76 | 2.32 |
| | | | 20 | - | - | - | - | 2.30 | 1.73 | 0.49 | 0.84 | 2.37 | 2.37 | 0.51 | 0.87 | 2.95 | 2.95 | 0.63 | 1.43 | 3.53 | 3.53 | 0.76 | 2.33 |
| 5 | | 15 | 0.83 | 0.83 | 0.14 | 0.23 | 1.42 | 1.42 | 0.24 | 0.40 | 2.02 | 2.02 | 0.35 | 0.57 | 2.63 | 2.63 | 0.45 | 0.74 | 3.22 | 3.22 | 0.55 | 1.01 | |
| | | 17 | 0.83 | 0.83 | 0.14 | 0.23 | 1.43 | 1.43 | 0.24 | 0.40 | 2.03 | 2.03 | 0.35 | 0.57 | 2.63 | 2.63 | 0.45 | 0.74 | 3.23 | 3.23 | 0.55 | 1.01 | |
| | | 19 | - | - | - | - | 1.43 | 1.43 | 0.25 | 0.40 | 2.03 | 2.03 | 0.35 | 0.57 | 2.63 | 2.63 | 0.45 | 0.74 | 3.23 | 3.23 | 0.55 | 1.02 | |
| | | 20 | - | - | - | - | 1.46 | 1.43 | 0.25 | 0.41 | 2.03 | 2.03 | 0.35 | 0.57 | 2.64 | 2.64 | 0.45 | 0.74 | 3.23 | 3.23 | 0.55 | 1.02 | |
| 6 | | 15 | 0.54 | 0.54 | 0.08 | 0.12 | 1.12 | 1.12 | 0.16 | 0.26 | 1.71 | 1.71 | 0.24 | 0.39 | 2.31 | 2.31 | 0.33 | 0.53 | 2.90 | 2.90 | 0.42 | 0.67 | |
| | | 17 | 0.54 | 0.54 | 0.08 | 0.12 | 1.12 | 1.12 | 0.16 | 0.26 | 1.71 | 1.71 | 0.25 | 0.40 | 2.31 | 2.31 | 0.33 | 0.53 | 2.91 | 2.91 | 0.42 | 0.67 | |
| | | 19 | - | - | - | - | 1.12 | 1.12 | 0.16 | 0.26 | 1.72 | 1.72 | 0.25 | 0.40 | 2.31 | 2.31 | 0.33 | 0.53 | 2.91 | 2.91 | 0.42 | 0.67 | |
| | | 20 | - | - | - | - | 1.12 | 1.11 | 0.16 | 0.26 | 1.72 | 1.72 | 0.25 | 0.40 | 2.32 | 2.32 | 0.33 | 0.54 | 2.91 | 2.91 | 0.42 | 0.67 | |
| 15 | | 3 | 15 | 0.86 | 0.86 | 0.25 | 0.40 | 1.47 | 1.47 | 0.42 | 0.68 | 2.07 | 2.07 | 0.59 | 1.20 | 2.65 | 2.65 | 0.76 | 2.36 | 3.28 | 3.28 | 0.93 | 3.80 |
| | | | 17 | 0.86 | 0.86 | 0.25 | 0.40 | 1.47 | 1.47 | 0.42 | 0.68 | 2.07 | 2.07 | 0.59 | 1.20 | 2.66 | 2.66 | 0.76 | 2.37 | 3.28 | 3.28 | 0.94 | 3.81 |
| | | | 19 | - | - | - | - | 1.47 | 1.47 | 0.42 | 0.68 | 2.07 | 2.07 | 0.59 | 1.21 | 2.66 | 2.66 | 0.76 | 2.38 | 3.29 | 3.29 | 0.94 | 3.82 |
| | | | 20 | - | - | - | - | 1.54 | 1.47 | 0.44 | 0.71 | 2.08 | 2.08 | 0.59 | 1.21 | 2.66 | 2.66 | 0.76 | 2.38 | 3.29 | 3.29 | 0.94 | 3.82 |
| | | 4 | 15 | 0.55 | 0.55 | 0.12 | 0.19 | 1.15 | 1.15 | 0.25 | 0.39 | 1.75 | 1.75 | 0.38 | 0.60 | 2.36 | 2.36 | 0.51 | 0.84 | 2.93 | 2.93 | 0.63 | 1.44 |
| | | | 17 | 0.55 | 0.55 | 0.12 | 0.19 | 1.15 | 1.15 | 0.25 | 0.39 | 1.75 | 1.75 | 0.38 | 0.60 | 2.36 | 2.36 | 0.51 | 0.85 | 2.94 | 2.94 | 0.63 | 1.45 |
| | | | 19 | - | - | - | - | 1.15 | 1.15 | 0.25 | 0.39 | 1.76 | 1.76 | 0.38 | 0.60 | 2.36 | 2.36 | 0.51 | 0.85 | 2.94 | 2.94 | 0.63 | 1.45 |
| | | | 20 | - | - | - | - | 1.15 | 1.14 | 0.25 | 0.39 | 1.76 | 1.76 | 0.38 | 0.60 | 2.37 | 2.37 | 0.51 | 0.85 | 2.94 | 2.94 | 0.63 | 1.46 |
| | 5 | 15 | 0.29 | 0.29 | 0.05 | 0.08 | 0.85 | 0.85 | 0.15 | 0.23 | 1.44 | 1.44 | 0.25 | 0.39 | 2.04 | 2.04 | 0.35 | 0.55 | 2.64 | 2.64 | 0.45 | 0.72 | |
| | | 17 | 0.29 | 0.29 | 0.05 | 0.08 | 0.85 | 0.85 | 0.15 | 0.23 | 1.44 | 1.44 | 0.25 | 0.39 | 2.04 | 2.04 | 0.35 | 0.55 | 2.64 | 2.64 | 0.46 | 0.72 | |
| | | 19 | - | - | - | - | 0.85 | 0.85 | 0.15 | 0.23 | 1.44 | 1.44 | 0.25 | 0.39 | 2.05 | 2.05 | 0.35 | 0.55 | 2.65 | 2.65 | 0.46 | 0.72 | |
| | | 20 | - | - | - | - | 0.85 | 0.85 | 0.15 | 0.23 | 1.45 | 1.45 | 0.25 | 0.39 | 2.05 | 2.05 | 0.35 | 0.55 | 2.65 | 2.65 | 0.46 | 0.72 | |
| | 6 | 15 | - | - | - | - | 0.55 | 0.55 | 0.08 | 0.12 | 1.13 | 1.13 | 0.16 | 0.25 | 1.72 | 1.72 | 0.25 | 0.38 | 2.32 | 2.32 | 0.33 | 0.51 | |
| | | 17 | - | - | - | - | 0.55 | 0.55 | 0.08 | 0.12 | 1.13 | 1.13 | 0.16 | 0.25 | 1.73 | 1.73 | 0.25 | 0.38 | 2.32 | 2.32 | 0.33 | 0.51 | |
| | | 19 | - | - | - | - | 0.55 | 0.55 | 0.08 | 0.12 | 1.14 | 1.14 | 0.16 | 0.25 | 1.73 | 1.73 | 0.25 | 0.38 | 2.33 | 2.33 | 0.33 | 0.51 | |
| | | 20 | - | - | - | - | 0.55 | 0.55 | 0.08 | 0.12 | 1.14 | 1.14 | 0.16 | 0.25 | 1.73 | 1.73 | 0.25 | 0.38 | 2.33 | 2.33 | 0.33 | 0.51 | |

Abbreviations:

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

Cooling Capacity

| MDVF-1200C4FE | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|--------------------|---------------------------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|
| 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 | 3 | 15 | 6.79 | 5.52 | 1.95 | 8.97 | 6.71 | 6.38 | 1.93 | 8.78 | 7.23 | 7.23 | 2.08 | 9.98 | 8.08 | 8.08 | 2.32 | 12.04 | 8.92 | 8.92 | 2.56 | 14.24 |
| | | 17 | 9.39 | 5.55 | 2.70 | 15.56 | 9.32 | 6.41 | 2.68 | 15.36 | 9.26 | 7.27 | 2.66 | 15.16 | 9.18 | 8.11 | 2.64 | 14.96 | 9.09 | 8.94 | 2.61 | 14.69 |
| | | 19 | - | - | - | - | 12.09 | 6.44 | 3.48 | 23.96 | 12.00 | 7.29 | 3.45 | 23.67 | 11.92 | 8.14 | 3.43 | 23.38 | 11.83 | 8.97 | 3.40 | 23.10 |
| | | 20 | - | - | - | - | 13.52 | 6.44 | 3.87 | 28.72 | 13.43 | 7.29 | 3.84 | 28.37 | 13.33 | 8.14 | 3.81 | 28.03 | 13.24 | 8.97 | 3.78 | 27.69 |
| | 4 | 15 | 5.66 | 5.02 | 1.22 | 2.95 | 5.86 | 5.84 | 1.26 | 3.24 | 6.69 | 6.69 | 1.44 | 4.63 | 7.51 | 7.51 | 1.62 | 6.21 | 8.36 | 8.36 | 1.80 | 7.75 |
| | | 17 | 8.09 | 4.97 | 1.74 | 7.29 | 8.03 | 5.83 | 1.73 | 7.17 | 7.96 | 6.69 | 1.71 | 7.05 | 7.86 | 7.53 | 1.69 | 6.87 | 8.37 | 8.37 | 1.80 | 7.77 |
| | | 19 | - | - | - | - | 10.82 | 5.87 | 2.32 | 11.93 | 10.74 | 6.73 | 2.30 | 11.78 | 10.66 | 7.57 | 2.28 | 11.64 | 10.59 | 8.41 | 2.27 | 11.49 |
| | | 20 | - | - | - | - | 12.30 | 5.89 | 2.64 | 14.84 | 12.21 | 6.75 | 2.62 | 14.65 | 12.13 | 7.60 | 2.60 | 14.48 | 12.04 | 8.43 | 2.58 | 14.30 |
| | 5 | 15 | 4.69 | 4.59 | 0.80 | 1.36 | 5.44 | 5.44 | 0.93 | 1.61 | 6.26 | 6.26 | 1.07 | 2.14 | 7.05 | 7.05 | 1.21 | 2.94 | 7.84 | 7.84 | 1.35 | 3.94 |
| | | 17 | 6.99 | 4.49 | 1.20 | 2.87 | 6.94 | 5.36 | 1.19 | 2.82 | 6.87 | 6.23 | 1.18 | 2.74 | 7.05 | 7.02 | 1.21 | 2.94 | 7.86 | 7.86 | 1.35 | 3.95 |
| | | 19 | - | - | - | - | 9.47 | 5.29 | 1.62 | 6.29 | 9.40 | 6.15 | 1.61 | 6.18 | 9.33 | 7.00 | 1.60 | 6.08 | 9.25 | 7.84 | 1.59 | 5.97 |
| | | 20 | - | - | - | - | 10.97 | 5.32 | 1.88 | 8.33 | 10.89 | 6.18 | 1.87 | 8.22 | 10.81 | 7.03 | 1.85 | 8.11 | 10.73 | 7.87 | 1.84 | 8.01 |
| 6 | 15 | 4.14 | 4.14 | 0.59 | 0.98 | 4.97 | 4.97 | 0.71 | 1.18 | 5.81 | 5.81 | 0.83 | 1.38 | 6.64 | 6.64 | 0.95 | 1.65 | 7.43 | 7.43 | 1.06 | 2.10 | |
| | 17 | 6.00 | 4.08 | 0.86 | 1.43 | 5.94 | 4.95 | 0.85 | 1.41 | 5.90 | 5.81 | 0.84 | 1.40 | 6.65 | 6.65 | 0.95 | 1.66 | 7.44 | 7.44 | 1.06 | 2.11 | |
| | 19 | - | - | - | - | 8.39 | 4.84 | 1.20 | 2.90 | 8.33 | 5.71 | 1.19 | 2.85 | 8.27 | 6.56 | 1.18 | 2.79 | 8.20 | 7.41 | 1.17 | 2.73 | |
| | 20 | - | - | - | - | 9.68 | 4.78 | 1.39 | 4.29 | 9.62 | 5.65 | 1.38 | 4.21 | 9.55 | 6.51 | 1.37 | 4.13 | 9.48 | 7.35 | 1.36 | 4.06 | |
| 7 | 3 | 15 | 4.79 | 4.64 | 1.38 | 4.22 | 5.49 | 5.49 | 1.57 | 5.90 | 6.36 | 6.36 | 1.82 | 7.84 | 7.22 | 7.22 | 2.07 | 9.71 | 8.06 | 8.06 | 2.31 | 11.71 |
| | | 17 | 7.39 | 4.66 | 2.12 | 10.11 | 7.33 | 5.53 | 2.10 | 9.97 | 7.25 | 6.39 | 2.08 | 9.79 | 7.23 | 7.20 | 2.07 | 9.73 | 8.08 | 8.08 | 2.31 | 11.75 |
| | | 19 | - | - | - | - | 10.13 | 5.57 | 2.93 | 17.52 | 10.06 | 6.43 | 2.90 | 17.30 | 9.98 | 7.28 | 2.88 | 17.08 | 9.91 | 8.12 | 2.86 | 16.86 |
| | | 20 | - | - | - | - | 11.57 | 5.57 | 3.32 | 21.72 | 11.48 | 6.43 | 3.29 | 21.45 | 11.40 | 7.28 | 3.27 | 21.18 | 11.32 | 8.12 | 3.25 | 20.92 |
| | 4 | 15 | 4.22 | 4.22 | 0.91 | 1.52 | 5.04 | 5.04 | 1.08 | 2.23 | 5.85 | 5.85 | 1.26 | 3.36 | 6.67 | 6.67 | 1.44 | 4.77 | 7.51 | 7.51 | 1.62 | 6.28 |
| | | 17 | 6.10 | 4.12 | 1.31 | 3.76 | 6.04 | 4.99 | 1.30 | 3.66 | 5.98 | 5.85 | 1.28 | 3.56 | 6.68 | 6.68 | 1.44 | 4.80 | 7.52 | 7.52 | 1.62 | 6.31 |
| | | 19 | - | - | - | - | 8.79 | 5.00 | 1.89 | 8.32 | 8.72 | 5.87 | 1.88 | 8.21 | 8.65 | 6.72 | 1.86 | 8.10 | 8.57 | 7.56 | 1.85 | 7.97 |
| | | 20 | - | - | - | - | 10.28 | 5.03 | 2.22 | 10.85 | 10.20 | 5.89 | 2.20 | 10.71 | 10.12 | 6.74 | 2.18 | 10.57 | 10.05 | 7.58 | 2.17 | 10.43 |
| | 5 | 15 | 3.76 | 3.76 | 0.65 | 1.03 | 4.61 | 4.61 | 0.79 | 1.27 | 5.44 | 5.44 | 0.94 | 1.60 | 6.24 | 6.24 | 1.07 | 2.22 | 7.03 | 7.03 | 1.21 | 3.05 |
| | | 17 | 5.12 | 3.72 | 0.88 | 1.44 | 5.06 | 4.60 | 0.87 | 1.42 | 5.45 | 5.45 | 0.94 | 1.61 | 6.25 | 6.25 | 1.08 | 2.23 | 7.04 | 7.04 | 1.21 | 3.07 |
| | | 19 | - | - | - | - | 7.47 | 4.47 | 1.28 | 3.60 | 7.41 | 5.34 | 1.27 | 3.53 | 7.32 | 5.92 | 1.32 | 40.00 | 7.27 | 7.04 | 1.25 | 3.34 |
| | | 20 | - | - | - | - | 8.85 | 4.45 | 1.52 | 5.52 | 8.78 | 5.31 | 1.51 | 5.42 | 8.71 | 6.17 | 1.50 | 5.32 | 8.64 | 7.02 | 1.49 | 5.22 |
| 6 | 15 | 3.31 | 3.31 | 0.48 | 0.74 | 4.15 | 4.15 | 0.60 | 0.93 | 4.98 | 4.98 | 0.72 | 1.12 | 5.81 | 5.81 | 0.84 | 1.32 | 6.63 | 6.63 | 0.95 | 1.66 | |
| | 17 | 3.98 | 3.28 | 0.57 | 0.89 | 4.13 | 4.06 | 0.59 | 0.93 | 4.99 | 4.99 | 0.72 | 1.12 | 5.82 | 5.82 | 0.84 | 1.32 | 6.64 | 6.64 | 0.95 | 1.66 | |
| | 19 | - | - | - | - | 6.49 | 4.09 | 0.93 | 1.58 | 6.42 | 4.96 | 0.92 | 1.55 | 6.36 | 5.82 | 0.91 | 1.52 | 6.64 | 6.61 | 0.95 | 1.67 | |
| | 20 | - | - | - | - | 7.73 | 4.01 | 1.11 | 2.46 | 7.68 | 4.89 | 1.10 | 2.42 | 7.62 | 5.75 | 1.10 | 2.37 | 7.55 | 6.60 | 1.08 | 2.31 | |
| 9 | 3 | 15 | 3.81 | 3.81 | 1.10 | 2.37 | 4.64 | 4.64 | 1.33 | 4.01 | 5.50 | 5.50 | 1.58 | 5.97 | 6.36 | 6.36 | 1.82 | 7.72 | 7.21 | 7.21 | 2.07 | 9.55 |
| | | 17 | 5.23 | 3.77 | 1.50 | 5.38 | 5.15 | 4.64 | 1.48 | 5.20 | 5.50 | 5.49 | 1.58 | 5.99 | 6.37 | 6.37 | 1.83 | 7.74 | 7.22 | 7.22 | 2.07 | 9.58 |
| | | 19 | - | - | - | - | 8.00 | 4.68 | 2.30 | 11.40 | 7.94 | 5.55 | 2.28 | 11.24 | 7.87 | 6.40 | 2.26 | 11.07 | 7.77 | 7.24 | 2.23 | 10.85 |
| | | 20 | - | - | - | - | 9.48 | 4.70 | 2.73 | 15.27 | 9.40 | 5.56 | 2.70 | 15.05 | 9.33 | 6.42 | 2.68 | 14.84 | 9.25 | 7.26 | 2.66 | 14.63 |
| | 4 | 15 | 3.37 | 3.37 | 0.73 | 1.12 | 4.22 | 4.22 | 0.91 | 1.51 | 5.03 | 5.03 | 1.09 | 2.35 | 5.84 | 5.84 | 1.26 | 3.53 | 6.66 | 6.66 | 1.43 | 4.86 |
| | | 17 | 4.15 | 3.35 | 0.90 | 1.46 | 4.20 | 4.15 | 0.91 | 1.49 | 5.04 | 5.04 | 1.09 | 2.36 | 5.85 | 5.85 | 1.26 | 3.55 | 6.67 | 6.67 | 1.43 | 4.88 |
| | | 19 | - | - | - | - | 6.55 | 4.11 | 1.41 | 4.68 | 6.49 | 4.98 | 1.39 | 4.57 | 6.41 | 5.84 | 1.38 | 4.45 | 6.66 | 6.63 | 1.43 | 4.87 |
| | | 20 | - | - | - | - | 8.06 | 4.14 | 1.73 | 7.04 | 7.99 | 5.01 | 1.72 | 6.94 | 7.92 | 5.86 | 1.70 | 6.84 | 7.84 | 6.71 | 1.69 | 6.71 |
| | 5 | 15 | 2.91 | 2.91 | 0.50 | 0.75 | 3.75 | 3.75 | 0.65 | 0.97 | 4.59 | 4.59 | 0.79 | 1.20 | 5.42 | 5.42 | 0.93 | 1.59 | 6.21 | 6.21 | 1.07 | 2.28 |
| | | 17 | 3.02 | 2.91 | 0.52 | 0.78 | 3.76 | 3.76 | 0.65 | 0.97 | 4.60 | 4.60 | 0.79 | 1.20 | 5.43 | 5.43 | 0.93 | 1.60 | 6.23 | 6.23 | 1.07 | 2.29 |
| | | 19 | - | - | - | - | 5.48 | 3.71 | 0.94 | 1.63 | 5.41 | 4.58 | 0.93 | 1.59 | 5.43 | 5.41 | 0.93 | 1.60 | 6.24 | 6.24 | 1.07 | 2.30 |
| | | 20 | - | - | - | - | 6.72 | 3.63 | 1.16 | 2.82 | 6.67 | 4.51 | 1.15 | 2.76 | 6.60 | 5.37 | 1.14 | 2.68 | 6.53 | 6.23 | 1.12 | 2.61 |
| 6 | 15 | 2.47 | 2.47 | 0.35 | 0.52 | 3.31 | 3.31 | 0.47 | 0.70 | 4.15 | 4.15 | 0.59 | 0.88 | 4.98 | 4.98 | 0.71 | 1.05 | 5.80 | 5.80 | 0.83 | 1.27 | |
| | 17 | 2.47 | 2.45 | 0.35 | 0.52 | 3.32 | 3.32 | 0.48 | 0.70 | 4.15 | 4.15 | 0.60 | 0.88 | 4.99 | 4.99 | 0.72 | 1.06 | 5.81 | 5.81 | 0.83 | 1.28 | |
| | 19 | - | - | - | - | 4.29 | 3.28 | 0.62 | 0.91 | 4.29 | 4.16 | 0.61 | 0.91 | 5.00 | 5.00 | 0.72 | 1.06 | 5.83 | 5.83 | 0.84 | 1.28 | |
| | 20 | - | - | - | - | 5.65 | 3.24 | 0.81 | 1.22 | 5.59 | 4.12 | 0.80 | 1.20 | 5.53 | 4.99 | 0.79 | 1.19 | 5.81 | 5.75 | 0.83 | 1.28 | |

Continue:

| MDVF-1200C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|--------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 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 | |
| 11 | 3 | 15 | 2.97 | 2.97 | 0.85 | 1.30 | 3.79 | 3.79 | 1.08 | 2.38 | 4.63 | 4.63 | 1.32 | 4.04 | 5.49 | 5.49 | 1.56 | 5.85 | 6.35 | 6.35 | 1.81 | 7.48 | |
| | | 17 | 3.15 | 2.97 | 0.90 | 1.46 | 3.80 | 3.80 | 1.08 | 2.39 | 4.64 | 4.64 | 1.32 | 4.06 | 5.50 | 5.50 | 1.57 | 5.86 | 6.36 | 6.36 | 1.81 | 7.51 | |
| | | 19 | - | - | - | - | 5.69 | 3.79 | 1.62 | 6.22 | 5.61 | 4.65 | 1.60 | 6.07 | 5.57 | 5.51 | 1.59 | 5.99 | 6.37 | 6.37 | 1.82 | 7.53 | |
| | | 20 | - | - | - | - | 7.19 | 3.81 | 2.05 | 9.25 | 7.13 | 4.68 | 2.03 | 9.11 | 7.06 | 5.54 | 2.01 | 8.95 | 6.97 | 6.39 | 1.99 | 8.76 | |
| | 4 | 15 | 2.51 | 2.51 | 0.54 | 0.78 | 3.36 | 3.36 | 0.72 | 1.04 | 4.20 | 4.20 | 0.90 | 1.48 | 5.01 | 5.01 | 1.07 | 2.36 | 5.82 | 5.82 | 1.25 | 3.54 | |
| | | 17 | 2.51 | 2.50 | 0.54 | 0.78 | 3.37 | 3.37 | 0.72 | 1.05 | 4.21 | 4.21 | 0.90 | 1.48 | 5.02 | 5.02 | 1.07 | 2.37 | 5.83 | 5.83 | 1.25 | 3.56 | |
| | | 19 | - | - | - | - | 4.43 | 3.33 | 0.95 | 1.69 | 4.40 | 4.21 | 0.94 | 1.66 | 5.03 | 5.03 | 1.08 | 2.38 | 5.85 | 5.85 | 1.25 | 3.57 | |
| | | 20 | - | - | - | - | 5.71 | 3.26 | 1.22 | 3.36 | 5.65 | 4.14 | 1.21 | 3.26 | 5.58 | 5.01 | 1.19 | 3.16 | 5.82 | 5.76 | 1.25 | 3.54 | |
| | 5 | 15 | 2.08 | 2.08 | 0.36 | 0.51 | 2.92 | 2.92 | 0.50 | 0.72 | 3.76 | 3.76 | 0.65 | 0.92 | 4.60 | 4.60 | 0.79 | 1.16 | 5.41 | 5.41 | 0.93 | 1.63 | |
| | | 17 | 2.08 | 2.08 | 0.36 | 0.51 | 2.93 | 2.93 | 0.50 | 0.72 | 3.77 | 3.77 | 0.65 | 0.92 | 4.61 | 4.61 | 0.79 | 1.16 | 5.42 | 5.42 | 0.93 | 1.64 | |
| | | 19 | - | - | - | - | 3.27 | 2.92 | 0.56 | 0.80 | 3.77 | 3.75 | 0.65 | 0.93 | 4.62 | 4.62 | 0.80 | 1.16 | 5.43 | 5.43 | 0.94 | 1.65 | |
| | | 20 | - | - | - | - | 4.61 | 2.88 | 0.79 | 1.16 | 4.55 | 3.76 | 0.78 | 1.14 | 4.61 | 4.58 | 0.79 | 1.16 | 5.44 | 5.44 | 0.94 | 1.65 | |
| 6 | 15 | 1.64 | 1.64 | 0.24 | 0.33 | 2.48 | 2.48 | 0.36 | 0.50 | 3.32 | 3.32 | 0.48 | 0.67 | 4.15 | 4.15 | 0.60 | 0.83 | 4.98 | 4.98 | 0.71 | 1.00 | | |
| | 17 | 1.64 | 1.64 | 0.24 | 0.33 | 2.48 | 2.48 | 0.36 | 0.50 | 3.32 | 3.32 | 0.48 | 0.67 | 4.16 | 4.16 | 0.60 | 0.84 | 4.99 | 4.99 | 0.72 | 1.01 | | |
| | 19 | - | - | - | - | 2.48 | 2.44 | 0.36 | 0.50 | 3.33 | 3.33 | 0.48 | 0.67 | 4.17 | 4.17 | 0.60 | 0.84 | 5.00 | 5.00 | 0.72 | 1.01 | | |
| | 20 | - | - | - | - | 3.33 | 2.45 | 0.48 | 0.67 | 3.39 | 3.34 | 0.49 | 0.68 | 4.17 | 4.17 | 0.60 | 0.84 | 5.01 | 5.01 | 0.72 | 1.01 | | |
| 13 | 3 | 15 | 2.12 | 2.12 | 0.61 | 0.85 | 2.97 | 2.97 | 0.85 | 1.32 | 3.79 | 3.79 | 1.09 | 2.52 | 4.63 | 4.63 | 1.33 | 4.21 | 5.49 | 5.49 | 1.58 | 5.84 | |
| | | 17 | 2.12 | 2.12 | 0.61 | 0.85 | 2.98 | 2.98 | 0.85 | 1.33 | 3.80 | 3.80 | 1.09 | 2.53 | 4.64 | 4.64 | 1.33 | 4.23 | 5.50 | 5.50 | 1.58 | 5.86 | |
| | | 19 | - | - | - | - | 3.37 | 2.95 | 0.97 | 1.82 | 3.80 | 3.80 | 1.09 | 2.54 | 4.65 | 4.65 | 1.33 | 4.25 | 5.52 | 5.52 | 1.58 | 5.88 | |
| | | 20 | - | - | - | - | 4.70 | 2.91 | 1.35 | 4.37 | 4.63 | 3.79 | 1.33 | 4.22 | 4.64 | 4.61 | 1.33 | 4.24 | 5.52 | 5.52 | 1.59 | 5.89 | |
| | 4 | 15 | 1.67 | 1.67 | 0.36 | 0.49 | 2.52 | 2.52 | 0.54 | 0.75 | 3.37 | 3.37 | 0.72 | 1.00 | 4.19 | 4.19 | 0.90 | 1.53 | 5.00 | 5.00 | 1.08 | 2.48 | |
| | | 17 | 1.67 | 1.67 | 0.36 | 0.49 | 2.52 | 2.52 | 0.54 | 0.75 | 3.37 | 3.37 | 0.73 | 1.00 | 4.20 | 4.20 | 0.90 | 1.54 | 5.01 | 5.01 | 1.08 | 2.49 | |
| | | 19 | - | - | - | - | 2.50 | 2.43 | 0.54 | 0.74 | 3.38 | 3.38 | 0.73 | 1.01 | 4.21 | 4.21 | 0.91 | 1.55 | 5.02 | 5.02 | 1.08 | 2.50 | |
| | | 20 | - | - | - | - | 3.48 | 2.50 | 0.75 | 1.05 | 3.48 | 3.38 | 0.75 | 1.05 | 4.21 | 4.21 | 0.91 | 1.55 | 5.02 | 5.02 | 1.08 | 2.51 | |
| | 5 | 15 | 1.23 | 1.23 | 0.21 | 0.28 | 2.07 | 2.07 | 0.36 | 0.48 | 2.91 | 2.91 | 0.50 | 0.67 | 3.75 | 3.75 | 0.64 | 0.87 | 4.59 | 4.59 | 0.79 | 1.13 | |
| | | 17 | 1.23 | 1.23 | 0.21 | 0.28 | 2.07 | 2.07 | 0.36 | 0.48 | 2.92 | 2.92 | 0.50 | 0.68 | 3.76 | 3.76 | 0.64 | 0.87 | 4.59 | 4.59 | 0.79 | 1.13 | |
| | | 19 | - | - | - | - | 2.08 | 2.08 | 0.36 | 0.48 | 2.92 | 2.92 | 0.50 | 0.68 | 3.77 | 3.77 | 0.65 | 0.87 | 4.60 | 4.60 | 0.79 | 1.13 | |
| | | 20 | - | - | - | - | 2.24 | 2.07 | 0.38 | 0.52 | 2.93 | 2.92 | 0.50 | 0.68 | 3.77 | 3.77 | 0.65 | 0.87 | 4.61 | 4.61 | 0.79 | 1.14 | |
| 6 | 15 | 0.81 | 0.81 | 0.12 | 0.15 | 1.64 | 1.64 | 0.24 | 0.31 | 2.48 | 2.48 | 0.35 | 0.47 | 3.32 | 3.32 | 0.47 | 0.63 | 4.15 | 4.15 | 0.59 | 0.79 | | |
| | 17 | 0.81 | 0.81 | 0.12 | 0.15 | 1.65 | 1.65 | 0.24 | 0.31 | 2.49 | 2.49 | 0.36 | 0.47 | 3.32 | 3.32 | 0.48 | 0.63 | 4.16 | 4.16 | 0.59 | 0.79 | | |
| | 19 | - | - | - | - | 1.65 | 1.65 | 0.24 | 0.31 | 2.49 | 2.49 | 0.36 | 0.47 | 3.33 | 3.33 | 0.48 | 0.63 | 4.16 | 4.16 | 0.60 | 0.79 | | |
| | 20 | - | - | - | - | 1.65 | 1.62 | 0.24 | 0.31 | 2.49 | 2.49 | 0.36 | 0.47 | 3.33 | 3.33 | 0.48 | 0.63 | 4.17 | 4.17 | 0.60 | 0.79 | | |
| 15 | 3 | 15 | 1.25 | 1.25 | 0.36 | 0.47 | 2.11 | 2.11 | 0.60 | 0.80 | 2.95 | 2.95 | 0.84 | 1.31 | 3.77 | 3.77 | 1.08 | 2.54 | 4.62 | 4.62 | 1.32 | 4.17 | |
| | | 17 | 1.25 | 1.25 | 0.36 | 0.47 | 2.11 | 2.11 | 0.60 | 0.80 | 2.96 | 2.96 | 0.84 | 1.31 | 3.78 | 3.78 | 1.08 | 2.55 | 4.63 | 4.63 | 1.32 | 4.19 | |
| | | 19 | - | - | - | - | 2.11 | 2.11 | 0.60 | 0.80 | 2.97 | 2.97 | 0.85 | 1.32 | 3.79 | 3.79 | 1.08 | 2.56 | 4.64 | 4.64 | 1.32 | 4.21 | |
| | | 20 | - | - | - | - | 2.33 | 2.11 | 0.66 | 0.88 | 2.97 | 2.97 | 0.85 | 1.32 | 3.79 | 3.79 | 1.08 | 2.57 | 4.64 | 4.64 | 1.32 | 4.22 | |
| | 4 | 15 | 0.82 | 0.82 | 0.18 | 0.23 | 1.67 | 1.67 | 0.36 | 0.47 | 2.51 | 2.51 | 0.54 | 0.70 | 3.36 | 3.36 | 0.72 | 0.96 | 4.18 | 4.18 | 0.89 | 1.55 | |
| | | 17 | 0.82 | 0.82 | 0.18 | 0.23 | 1.67 | 1.67 | 0.36 | 0.47 | 2.52 | 2.52 | 0.54 | 0.70 | 3.37 | 3.37 | 0.72 | 0.96 | 4.18 | 4.18 | 0.90 | 1.56 | |
| | | 19 | - | - | - | - | 1.67 | 1.67 | 0.36 | 0.47 | 2.52 | 2.52 | 0.54 | 0.71 | 3.37 | 3.37 | 0.72 | 0.96 | 4.19 | 4.19 | 0.90 | 1.57 | |
| | | 20 | - | - | - | - | 1.67 | 1.64 | 0.36 | 0.47 | 2.53 | 2.53 | 0.54 | 0.71 | 3.38 | 3.38 | 0.72 | 0.97 | 4.20 | 4.20 | 0.90 | 1.57 | |
| | 5 | 15 | 0.43 | 0.43 | 0.07 | 0.09 | 1.24 | 1.24 | 0.21 | 0.27 | 2.08 | 2.08 | 0.36 | 0.46 | 2.92 | 2.92 | 0.50 | 0.65 | 3.76 | 3.76 | 0.65 | 0.83 | |
| | | 17 | 0.43 | 0.43 | 0.07 | 0.09 | 1.25 | 1.25 | 0.21 | 0.27 | 2.09 | 2.09 | 0.36 | 0.46 | 2.93 | 2.93 | 0.50 | 0.65 | 3.77 | 3.77 | 0.65 | 0.83 | |
| | | 19 | - | - | - | - | 1.25 | 1.25 | 0.22 | 0.28 | 2.09 | 2.09 | 0.36 | 0.46 | 2.94 | 2.94 | 0.51 | 0.65 | 3.77 | 3.77 | 0.65 | 0.84 | |
| | | 20 | - | - | - | - | 1.25 | 1.25 | 0.22 | 0.28 | 2.09 | 2.09 | 0.36 | 0.46 | 2.94 | 2.94 | 0.51 | 0.65 | 3.78 | 3.78 | 0.65 | 0.84 | |
| 6 | 15 | - | - | - | - | 0.82 | 0.82 | 0.12 | 0.15 | 1.65 | 1.65 | 0.24 | 0.30 | 2.49 | 2.49 | 0.36 | 0.45 | 3.32 | 3.32 | 0.48 | 0.60 | | |
| | 17 | - | - | - | - | 0.82 | 0.82 | 0.12 | 0.15 | 1.66 | 1.66 | 0.24 | 0.30 | 2.49 | 2.49 | 0.36 | 0.45 | 3.33 | 3.33 | 0.48 | 0.60 | | |
| | 19 | - | - | - | - | 0.82 | 0.82 | 0.12 | 0.15 | 1.66 | 1.66 | 0.24 | 0.30 | 2.50 | 2.50 | 0.36 | 0.45 | 3.33 | 3.33 | 0.48 | 0.60 | | |
| | 20 | - | - | - | - | 0.82 | 0.82 | 0.12 | 0.15 | 1.66 | 1.66 | 0.24 | 0.30 | 2.50 | 2.50 | 0.36 | 0.45 | 3.34 | 3.34 | 0.48 | 0.61 | | |

Abbreviations:

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

Cooling Capacity

| MDVF-1500C4FE | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|--------------------|---------------------------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|-------|------|-------|
| 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 | 3 | 15 | 8.06 | 6.41 | 2.32 | 11.96 | 7.97 | 7.38 | 2.29 | 11.75 | 8.33 | 8.33 | 2.40 | 12.67 | 9.28 | 9.28 | 2.67 | 15.22 | 10.20 | 10.20 | 2.91 | 17.68 |
| | | 17 | 10.98 | 6.45 | 3.16 | 20.29 | 10.89 | 7.41 | 3.13 | 20.02 | 10.81 | 8.37 | 3.11 | 19.75 | 10.71 | 9.31 | 3.08 | 19.45 | 10.61 | 10.24 | 3.05 | 19.13 |
| | | 19 | - | - | - | - | 13.97 | 7.43 | 3.99 | 30.36 | 13.86 | 8.39 | 3.96 | 29.96 | 13.76 | 9.33 | 3.93 | 29.58 | 13.66 | 10.26 | 3.90 | 29.19 |
| | | 20 | - | - | - | - | 15.62 | 7.44 | 4.47 | 36.80 | 15.50 | 8.40 | 4.43 | 36.34 | 15.39 | 9.35 | 4.40 | 35.88 | 15.28 | 10.28 | 4.37 | 35.43 |
| | 4 | 15 | 6.77 | 5.83 | 1.46 | 4.79 | 6.78 | 6.72 | 1.46 | 4.82 | 7.75 | 7.75 | 1.67 | 6.67 | 8.71 | 8.71 | 1.88 | 8.32 | 9.64 | 9.64 | 2.06 | 9.79 |
| | | 17 | 9.67 | 5.85 | 2.07 | 9.85 | 9.62 | 6.83 | 2.07 | 9.84 | 9.53 | 7.79 | 2.05 | 9.69 | 9.43 | 8.74 | 2.03 | 9.53 | 9.65 | 9.63 | 2.07 | 9.81 |
| | | 19 | - | - | - | - | 12.73 | 6.86 | 2.73 | 15.71 | 12.63 | 7.83 | 2.71 | 15.50 | 12.54 | 8.77 | 2.69 | 15.30 | 12.44 | 9.71 | 2.67 | 15.10 |
| | | 20 | - | - | - | - | 14.40 | 6.89 | 3.10 | 19.57 | 14.29 | 7.85 | 3.08 | 19.32 | 14.18 | 8.80 | 3.06 | 19.08 | 14.08 | 9.73 | 3.03 | 18.84 |
| | 5 | 15 | 5.71 | 5.37 | 0.98 | 1.75 | 6.32 | 6.32 | 1.09 | 2.20 | 7.24 | 7.24 | 1.24 | 3.17 | 8.15 | 8.15 | 1.40 | 4.38 | 9.07 | 9.07 | 1.56 | 5.71 |
| | | 17 | 8.37 | 5.28 | 1.44 | 4.69 | 8.29 | 6.26 | 1.42 | 4.58 | 8.21 | 7.22 | 1.41 | 4.47 | 8.18 | 8.17 | 1.41 | 4.42 | 9.09 | 9.09 | 1.56 | 5.74 |
| | | 19 | - | - | - | - | 11.41 | 6.28 | 1.96 | 8.88 | 11.32 | 7.25 | 1.94 | 8.76 | 11.23 | 8.20 | 1.93 | 8.64 | 11.13 | 9.14 | 1.91 | 8.52 |
| | | 20 | - | - | - | - | 13.08 | 6.31 | 2.24 | 11.20 | 12.98 | 7.27 | 2.23 | 11.05 | 12.88 | 8.23 | 2.21 | 10.91 | 12.78 | 9.17 | 2.19 | 10.76 |
| 6 | 15 | 4.85 | 4.79 | 0.69 | 1.14 | 5.83 | 5.83 | 0.83 | 1.37 | 6.77 | 6.77 | 0.97 | 1.71 | 7.68 | 7.68 | 1.10 | 2.30 | 8.58 | 8.58 | 1.23 | 3.11 | |
| | 17 | 7.28 | 4.82 | 1.04 | 2.00 | 7.21 | 5.80 | 1.03 | 1.95 | 7.14 | 6.77 | 1.02 | 1.91 | 7.70 | 7.70 | 1.10 | 2.31 | 8.60 | 8.60 | 1.23 | 3.13 | |
| | 19 | - | - | - | - | 10.07 | 5.71 | 1.44 | 4.77 | 9.99 | 6.68 | 1.43 | 4.67 | 9.90 | 7.64 | 1.42 | 4.57 | 9.81 | 8.59 | 1.40 | 4.46 | |
| | 20 | - | - | - | - | 11.70 | 5.72 | 1.68 | 6.72 | 11.61 | 6.69 | 1.66 | 6.62 | 11.52 | 7.65 | 1.65 | 6.51 | 11.42 | 8.59 | 1.64 | 6.40 | |
| 7 | 3 | 15 | 5.75 | 5.39 | 1.65 | 6.53 | 6.37 | 6.37 | 1.83 | 7.86 | 7.34 | 7.34 | 2.10 | 9.99 | 8.30 | 8.30 | 2.38 | 12.29 | 9.25 | 9.25 | 2.67 | 14.98 |
| | | 17 | 8.73 | 5.44 | 2.50 | 13.40 | 8.65 | 6.41 | 2.48 | 13.19 | 8.56 | 7.37 | 2.45 | 12.96 | 8.48 | 8.32 | 2.43 | 12.76 | 9.27 | 9.27 | 2.68 | 15.03 |
| | | 19 | - | - | - | - | 11.76 | 6.43 | 3.37 | 22.32 | 11.67 | 7.40 | 3.35 | 22.03 | 11.57 | 8.35 | 3.32 | 21.72 | 11.48 | 9.29 | 3.29 | 21.41 |
| | | 20 | - | - | - | - | 13.44 | 6.46 | 3.88 | 28.45 | 13.31 | 7.42 | 3.82 | 27.62 | 13.20 | 8.37 | 3.79 | 27.26 | 13.10 | 9.31 | 3.76 | 26.90 |
| | 4 | 15 | 4.87 | 4.79 | 1.05 | 2.04 | 5.83 | 5.83 | 1.25 | 3.34 | 6.78 | 6.78 | 1.46 | 4.98 | 7.73 | 7.73 | 1.67 | 6.65 | 8.68 | 8.68 | 1.87 | 8.14 |
| | | 17 | 7.35 | 4.85 | 1.58 | 6.01 | 7.27 | 5.83 | 1.57 | 5.87 | 7.19 | 6.79 | 1.55 | 5.73 | 7.75 | 7.75 | 1.67 | 6.68 | 8.70 | 8.70 | 1.88 | 8.17 |
| | | 19 | - | - | - | - | 10.45 | 5.87 | 2.25 | 11.14 | 10.36 | 6.84 | 2.23 | 10.99 | 10.27 | 7.80 | 2.21 | 10.82 | 10.18 | 8.74 | 2.19 | 10.65 |
| | | 20 | - | - | - | - | 12.12 | 5.90 | 2.62 | 14.40 | 12.02 | 6.87 | 2.60 | 14.20 | 11.93 | 7.82 | 2.58 | 14.02 | 11.83 | 8.76 | 2.56 | 13.82 |
| | 5 | 15 | 4.41 | 4.41 | 0.76 | 1.21 | 5.37 | 5.37 | 0.93 | 1.56 | 6.29 | 6.29 | 1.08 | 2.28 | 7.21 | 7.21 | 1.24 | 3.28 | 8.13 | 8.13 | 1.40 | 4.51 |
| | | 17 | 6.16 | 4.36 | 1.06 | 2.15 | 6.10 | 5.35 | 1.05 | 2.09 | 6.27 | 6.18 | 1.08 | 2.26 | 7.22 | 7.22 | 1.24 | 3.30 | 8.15 | 8.15 | 1.40 | 4.53 |
| | | 19 | - | - | - | - | 9.02 | 5.29 | 1.55 | 5.76 | 8.94 | 6.26 | 1.54 | 5.65 | 8.86 | 7.21 | 1.60 | 45.20 | 8.76 | 8.16 | 1.51 | 5.39 |
| | | 20 | - | - | - | - | 10.71 | 5.32 | 1.84 | 7.87 | 10.62 | 6.29 | 1.83 | 7.76 | 10.53 | 7.25 | 1.81 | 7.65 | 10.43 | 8.19 | 1.79 | 7.53 |
| 6 | 15 | 3.91 | 3.91 | 0.56 | 0.87 | 4.87 | 4.87 | 0.70 | 1.09 | 5.82 | 5.82 | 0.84 | 1.32 | 6.75 | 6.75 | 0.97 | 1.73 | 7.65 | 7.65 | 1.10 | 2.41 | |
| | 17 | 4.95 | 3.89 | 0.71 | 1.10 | 4.96 | 4.88 | 0.71 | 1.11 | 5.83 | 5.83 | 0.84 | 1.32 | 6.76 | 6.76 | 0.97 | 1.74 | 7.67 | 7.67 | 1.10 | 2.42 | |
| | 19 | - | - | - | - | 7.77 | 4.80 | 1.12 | 2.51 | 7.70 | 5.77 | 1.11 | 2.45 | 7.63 | 6.74 | 1.10 | 2.39 | 7.65 | 7.58 | 1.10 | 2.41 | |
| | 20 | - | - | - | - | 9.29 | 4.75 | 1.34 | 4.06 | 9.22 | 5.73 | 1.32 | 3.97 | 9.13 | 6.70 | 1.31 | 3.88 | 9.04 | 7.65 | 1.30 | 3.79 | |
| 9 | 3 | 15 | 4.41 | 4.41 | 1.26 | 3.51 | 5.38 | 5.38 | 1.54 | 5.72 | 6.36 | 6.36 | 1.82 | 7.71 | 7.32 | 7.32 | 2.10 | 9.79 | 8.27 | 8.27 | 2.37 | 12.04 |
| | | 17 | 6.31 | 4.42 | 1.81 | 7.61 | 6.24 | 5.40 | 1.79 | 7.46 | 6.33 | 6.23 | 1.82 | 7.66 | 7.34 | 7.34 | 2.11 | 9.83 | 8.29 | 8.29 | 2.38 | 12.09 |
| | | 19 | - | - | - | - | 9.40 | 5.44 | 2.70 | 15.04 | 9.32 | 6.41 | 2.68 | 14.79 | 9.22 | 7.37 | 2.65 | 14.53 | 9.13 | 8.31 | 2.62 | 14.27 |
| | | 20 | - | - | - | - | 11.04 | 5.45 | 3.17 | 19.75 | 10.95 | 6.42 | 3.14 | 19.48 | 10.86 | 7.38 | 3.12 | 19.19 | 10.76 | 8.33 | 3.09 | 18.90 |
| | 4 | 15 | 3.93 | 3.93 | 0.85 | 1.33 | 4.88 | 4.88 | 1.05 | 2.17 | 5.81 | 5.81 | 1.26 | 3.50 | 6.75 | 6.75 | 1.45 | 5.03 | 7.71 | 7.71 | 1.66 | 6.52 |
| | | 17 | 4.98 | 3.90 | 1.08 | 2.30 | 4.96 | 4.89 | 1.07 | 2.28 | 5.83 | 5.83 | 1.26 | 3.52 | 6.77 | 6.77 | 1.46 | 5.05 | 7.73 | 7.73 | 1.66 | 6.54 |
| | | 19 | - | - | - | - | 7.95 | 4.86 | 1.71 | 6.87 | 7.87 | 5.84 | 1.69 | 6.75 | 7.78 | 6.80 | 1.67 | 6.62 | 7.75 | 7.74 | 1.67 | 6.58 |
| | | 20 | - | - | - | - | 9.64 | 4.89 | 2.07 | 9.51 | 9.55 | 5.86 | 2.05 | 9.37 | 9.46 | 6.83 | 2.04 | 9.22 | 9.36 | 7.77 | 2.01 | 9.06 |
| | 5 | 15 | 3.42 | 3.42 | 0.59 | 0.88 | 4.39 | 4.39 | 0.76 | 1.13 | 5.34 | 5.34 | 0.92 | 1.54 | 6.26 | 6.26 | 1.08 | 2.33 | 7.18 | 7.18 | 1.23 | 3.38 |
| | | 17 | 3.77 | 3.42 | 0.65 | 0.97 | 4.40 | 4.40 | 0.76 | 1.13 | 5.35 | 5.35 | 0.92 | 1.55 | 6.27 | 6.27 | 1.08 | 2.35 | 7.19 | 7.19 | 1.24 | 3.40 |
| | | 19 | - | - | - | - | 6.56 | 4.33 | 1.13 | 2.65 | 6.49 | 5.31 | 1.12 | 2.58 | 6.45 | 6.28 | 1.11 | 2.53 | 7.21 | 7.21 | 1.24 | 3.42 |
| | | 20 | - | - | - | - | 8.12 | 4.31 | 1.40 | 4.63 | 8.04 | 5.29 | 1.38 | 4.52 | 7.96 | 6.25 | 1.37 | 4.41 | 7.88 | 7.21 | 1.36 | 4.30 |
| 6 | 15 | 2.93 | 2.93 | 0.42 | 0.62 | 3.90 | 3.90 | 0.56 | 0.82 | 4.85 | 4.85 | 0.70 | 1.02 | 5.80 | 5.80 | 0.83 | 1.27 | 6.72 | 6.72 | 0.96 | 1.75 | |
| | 17 | 2.93 | 2.87 | 0.42 | 0.62 | 3.90 | 3.90 | 0.56 | 0.82 | 4.86 | 4.86 | 0.70 | 1.02 | 5.81 | 5.81 | 0.83 | 1.27 | 6.73 | 6.73 | 0.96 | 1.76 | |
| | 19 | - | - | - | - | 5.33 | 3.88 | 0.76 | 1.13 | 5.29 | 4.86 | 0.76 | 1.12 | 5.82 | 5.80 | 0.83 | 1.28 | 6.74 | 6.74 | 0.97 | 1.77 | |
| | 20 | - | - | - | - | 6.85 | 3.84 | 0.98 | 1.84 | 6.78 | 4.83 | 0.97 | 1.79 | 6.72 | 5.80 | 0.96 | 1.75 | 6.75 | 6.72 | 0.97 | 1.77 | |

Continue:

| MDVF-1500C4FE | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|--------------------|---------------------------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|
| 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 | |
| 11 | 3 | 15 | 3.44 | 3.44 | 0.98 | 1.82 | 4.39 | 4.39 | 1.25 | 3.54 | 5.37 | 5.37 | 1.53 | 5.61 | 6.34 | 6.34 | 1.81 | 7.45 | 7.29 | 7.29 | 2.08 | 9.46 | |
| | | 17 | 3.78 | 3.43 | 1.08 | 2.36 | 4.40 | 4.40 | 1.25 | 3.56 | 5.38 | 5.38 | 1.53 | 5.63 | 6.35 | 6.35 | 1.81 | 7.48 | 7.31 | 7.31 | 2.08 | 9.49 | |
| | | 19 | - | - | - | - | 6.82 | 4.43 | 1.94 | 8.43 | 6.74 | 5.41 | 1.92 | 8.26 | 6.67 | 6.37 | 1.90 | 8.13 | 7.33 | 7.33 | 2.09 | 9.53 | |
| | | 20 | - | - | - | - | 8.49 | 4.45 | 2.42 | 12.26 | 8.41 | 5.43 | 2.40 | 12.05 | 8.32 | 6.39 | 2.37 | 11.84 | 8.23 | 7.34 | 2.35 | 11.63 | |
| | 4 | 15 | 2.95 | 2.95 | 0.63 | 0.91 | 3.92 | 3.92 | 0.84 | 1.28 | 4.85 | 4.85 | 1.04 | 2.17 | 5.79 | 5.79 | 1.24 | 3.49 | 6.74 | 6.74 | 1.44 | 5.00 | |
| | | 17 | 2.94 | 2.86 | 0.63 | 0.91 | 3.93 | 3.93 | 0.84 | 1.28 | 4.86 | 4.86 | 1.04 | 2.18 | 5.80 | 5.80 | 1.24 | 3.51 | 6.75 | 6.75 | 1.45 | 5.02 | |
| | | 19 | - | - | - | - | 5.32 | 3.88 | 1.14 | 2.79 | 5.27 | 4.86 | 1.13 | 2.72 | 5.81 | 5.81 | 1.24 | 3.53 | 6.77 | 6.77 | 1.45 | 5.05 | |
| | | 20 | - | - | - | - | 6.94 | 3.87 | 1.49 | 5.30 | 6.86 | 4.85 | 1.47 | 5.18 | 6.78 | 5.82 | 1.45 | 5.06 | 6.77 | 6.74 | 1.45 | 5.05 | |
| | 5 | 15 | 2.46 | 2.46 | 0.42 | 0.60 | 3.43 | 3.43 | 0.59 | 0.84 | 4.39 | 4.39 | 0.76 | 1.08 | 5.33 | 5.33 | 0.92 | 1.57 | 6.24 | 6.24 | 1.07 | 2.41 | |
| | | 17 | 2.46 | 2.46 | 0.42 | 0.60 | 3.43 | 3.43 | 0.59 | 0.84 | 4.40 | 4.40 | 0.76 | 1.08 | 5.34 | 5.34 | 0.92 | 1.58 | 6.25 | 6.25 | 1.08 | 2.42 | |
| | | 19 | - | - | - | - | 4.07 | 3.43 | 0.70 | 0.99 | 4.38 | 4.28 | 0.75 | 1.08 | 5.35 | 5.35 | 0.92 | 1.59 | 6.27 | 6.27 | 1.08 | 2.44 | |
| | | 20 | - | - | - | - | 5.57 | 3.39 | 0.96 | 1.77 | 5.52 | 4.38 | 0.95 | 1.72 | 5.50 | 5.35 | 0.95 | 1.71 | 6.27 | 6.27 | 1.08 | 2.45 | |
| | 6 | 15 | 1.96 | 1.96 | 0.28 | 0.39 | 2.93 | 2.93 | 0.42 | 0.58 | 3.89 | 3.89 | 0.56 | 0.78 | 4.84 | 4.84 | 0.69 | 0.97 | 5.78 | 5.78 | 0.83 | 1.25 | |
| | | 17 | 1.97 | 1.97 | 0.28 | 0.39 | 2.94 | 2.94 | 0.42 | 0.59 | 3.90 | 3.90 | 0.56 | 0.78 | 4.85 | 4.85 | 0.70 | 0.97 | 5.79 | 5.79 | 0.83 | 1.26 | |
| | | 19 | - | - | - | - | 2.94 | 2.89 | 0.42 | 0.59 | 3.91 | 3.91 | 0.56 | 0.78 | 4.86 | 4.86 | 0.70 | 0.97 | 5.81 | 5.81 | 0.83 | 1.26 | |
| | | 20 | - | - | - | - | 4.20 | 2.91 | 0.60 | 0.84 | 4.20 | 3.91 | 0.60 | 0.84 | 4.87 | 4.84 | 0.70 | 0.97 | 5.81 | 5.81 | 0.83 | 1.27 | |
| | 13 | 3 | 15 | 2.47 | 2.47 | 0.71 | 0.99 | 3.43 | 3.43 | 0.98 | 1.92 | 4.38 | 4.38 | 1.26 | 3.70 | 5.36 | 5.36 | 1.54 | 5.59 | 6.32 | 6.32 | 1.82 | 7.40 |
| | | | 17 | 2.48 | 2.48 | 0.71 | 0.99 | 3.44 | 3.44 | 0.99 | 1.94 | 4.39 | 4.39 | 1.26 | 3.72 | 5.37 | 5.37 | 1.54 | 5.61 | 6.34 | 6.34 | 1.82 | 7.42 |
| | | | 19 | - | - | - | - | 4.05 | 3.42 | 1.16 | 3.03 | 4.37 | 4.26 | 1.25 | 3.67 | 5.38 | 5.38 | 1.55 | 5.63 | 6.35 | 6.35 | 1.82 | 7.45 |
| | | | 20 | - | - | - | - | 5.72 | 3.44 | 1.64 | 6.23 | 5.64 | 4.42 | 1.62 | 6.10 | 5.60 | 5.39 | 1.61 | 6.02 | 6.36 | 6.36 | 1.83 | 7.47 |
| | | 4 | 15 | 1.97 | 1.97 | 0.42 | 0.58 | 2.94 | 2.94 | 0.63 | 0.87 | 3.91 | 3.91 | 0.84 | 1.29 | 4.83 | 4.83 | 1.04 | 2.27 | 5.77 | 5.77 | 1.24 | 3.62 |
| | | | 17 | 1.98 | 1.98 | 0.43 | 0.58 | 2.95 | 2.95 | 0.64 | 0.87 | 3.91 | 3.91 | 0.84 | 1.29 | 4.84 | 4.84 | 1.04 | 2.28 | 5.78 | 5.78 | 1.25 | 3.64 |
| | | | 19 | - | - | - | - | 2.92 | 2.83 | 0.63 | 0.86 | 3.92 | 3.92 | 0.84 | 1.30 | 4.86 | 4.86 | 1.05 | 2.30 | 5.80 | 5.80 | 1.25 | 3.66 |
| | | | 20 | - | - | - | - | 4.23 | 2.92 | 0.91 | 1.58 | 4.21 | 3.91 | 0.91 | 1.56 | 4.86 | 4.86 | 1.05 | 2.30 | 5.80 | 5.80 | 1.25 | 3.67 |
| 5 | | 15 | 1.47 | 1.47 | 0.25 | 0.34 | 2.45 | 2.45 | 0.42 | 0.56 | 3.41 | 3.41 | 0.58 | 0.79 | 4.37 | 4.37 | 0.75 | 1.03 | 5.29 | 5.29 | 0.91 | 1.58 | |
| | | 17 | 1.48 | 1.48 | 0.25 | 0.34 | 2.45 | 2.45 | 0.42 | 0.56 | 3.42 | 3.42 | 0.59 | 0.79 | 4.38 | 4.38 | 0.75 | 1.04 | 5.30 | 5.30 | 0.91 | 1.59 | |
| | | 19 | - | - | - | - | 2.46 | 2.46 | 0.42 | 0.57 | 3.43 | 3.43 | 0.59 | 0.79 | 4.39 | 4.39 | 0.75 | 1.04 | 5.32 | 5.32 | 0.91 | 1.60 | |
| | | 20 | - | - | - | - | 2.84 | 2.45 | 0.49 | 0.65 | 3.42 | 3.37 | 0.59 | 0.79 | 4.39 | 4.39 | 0.75 | 1.04 | 5.32 | 5.32 | 0.91 | 1.61 | |
| 6 | | 15 | 0.99 | 0.99 | 0.14 | 0.19 | 1.96 | 1.96 | 0.28 | 0.37 | 2.92 | 2.92 | 0.42 | 0.55 | 3.88 | 3.88 | 0.55 | 0.73 | 4.83 | 4.83 | 0.69 | 0.92 | |
| | | 17 | 0.99 | 0.99 | 0.14 | 0.19 | 1.96 | 1.96 | 0.28 | 0.37 | 2.93 | 2.93 | 0.42 | 0.55 | 3.89 | 3.89 | 0.56 | 0.73 | 4.84 | 4.84 | 0.69 | 0.92 | |
| | | 19 | - | - | - | - | 1.97 | 1.97 | 0.28 | 0.37 | 2.94 | 2.94 | 0.42 | 0.55 | 3.90 | 3.90 | 0.56 | 0.74 | 4.85 | 4.85 | 0.69 | 0.92 | |
| | | 20 | - | - | - | - | 1.97 | 1.92 | 0.28 | 0.37 | 2.94 | 2.94 | 0.42 | 0.55 | 3.90 | 3.90 | 0.56 | 0.74 | 4.85 | 4.85 | 0.69 | 0.92 | |
| 15 | | 3 | 15 | 1.48 | 1.48 | 0.42 | 0.56 | 2.46 | 2.46 | 0.70 | 0.93 | 3.41 | 3.41 | 0.97 | 1.93 | 4.36 | 4.36 | 1.24 | 3.68 | 5.34 | 5.34 | 1.52 | 5.40 |
| | | | 17 | 1.48 | 1.48 | 0.42 | 0.56 | 2.46 | 2.46 | 0.70 | 0.94 | 3.42 | 3.42 | 0.97 | 1.94 | 4.37 | 4.37 | 1.25 | 3.70 | 5.35 | 5.35 | 1.53 | 5.42 |
| | | | 19 | - | - | - | - | 2.47 | 2.47 | 0.70 | 0.94 | 3.42 | 3.42 | 0.98 | 1.95 | 4.38 | 4.38 | 1.25 | 3.72 | 5.36 | 5.36 | 1.53 | 5.44 |
| | | | 20 | - | - | - | - | 2.87 | 2.46 | 0.82 | 1.22 | 3.43 | 3.41 | 0.98 | 1.95 | 4.39 | 4.39 | 1.25 | 3.73 | 5.36 | 5.36 | 1.53 | 5.45 |
| | | 4 | 15 | 0.99 | 0.99 | 0.21 | 0.27 | 1.96 | 1.96 | 0.42 | 0.55 | 2.93 | 2.93 | 0.63 | 0.82 | 3.89 | 3.89 | 0.83 | 1.29 | 4.81 | 4.81 | 1.03 | 2.30 |
| | | | 17 | 0.99 | 0.99 | 0.21 | 0.28 | 1.97 | 1.97 | 0.42 | 0.55 | 2.94 | 2.94 | 0.63 | 0.82 | 3.90 | 3.90 | 0.83 | 1.29 | 4.82 | 4.82 | 1.03 | 2.31 |
| | | | 19 | - | - | - | - | 1.97 | 1.97 | 0.42 | 0.55 | 2.95 | 2.95 | 0.63 | 0.82 | 3.90 | 3.90 | 0.84 | 1.30 | 4.83 | 4.83 | 1.04 | 2.32 |
| | | | 20 | - | - | - | - | 1.96 | 1.88 | 0.42 | 0.55 | 2.95 | 2.95 | 0.63 | 0.82 | 3.91 | 3.91 | 0.84 | 1.30 | 4.84 | 4.84 | 1.04 | 2.33 |
| | 5 | 15 | 0.50 | 0.50 | 0.09 | 0.11 | 1.48 | 1.48 | 0.26 | 0.33 | 2.45 | 2.45 | 0.42 | 0.54 | 3.41 | 3.41 | 0.59 | 0.75 | 4.36 | 4.36 | 0.75 | 1.03 | |
| | | 17 | 0.50 | 0.50 | 0.09 | 0.11 | 1.48 | 1.48 | 0.26 | 0.33 | 2.45 | 2.45 | 0.42 | 0.54 | 3.42 | 3.42 | 0.59 | 0.75 | 4.37 | 4.37 | 0.75 | 1.03 | |
| | | 19 | - | - | - | - | 1.49 | 1.49 | 0.26 | 0.33 | 2.46 | 2.46 | 0.42 | 0.54 | 3.42 | 3.42 | 0.59 | 0.75 | 4.38 | 4.38 | 0.75 | 1.03 | |
| | | 20 | - | - | - | - | 1.49 | 1.49 | 0.26 | 0.33 | 2.46 | 2.46 | 0.42 | 0.54 | 3.43 | 3.43 | 0.59 | 0.76 | 4.38 | 4.38 | 0.76 | 1.04 | |
| | 6 | 15 | - | - | - | - | 0.99 | 0.99 | 0.14 | 0.18 | 1.96 | 1.96 | 0.28 | 0.35 | 2.92 | 2.92 | 0.42 | 0.53 | 3.87 | 3.87 | 0.56 | 0.70 | |
| | | 17 | - | - | - | - | 0.99 | 0.99 | 0.14 | 0.18 | 1.97 | 1.97 | 0.28 | 0.35 | 2.93 | 2.93 | 0.42 | 0.53 | 3.88 | 3.88 | 0.56 | 0.70 | |
| | | 19 | - | - | - | - | 1.00 | 1.00 | 0.14 | 0.18 | 1.97 | 1.97 | 0.28 | 0.35 | 2.93 | 2.93 | 0.42 | 0.53 | 3.89 | 3.89 | 0.56 | 0.70 | |
| | | 20 | - | - | - | - | 1.00 | 1.00 | 0.14 | 0.18 | 1.97 | 1.97 | 0.28 | 0.35 | 2.94 | 2.94 | 0.42 | 0.53 | 3.89 | 3.89 | 0.56 | 0.70 | |

Abbreviations:

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

Heating Capacity:

| MDVF-600C4FE | | | | | | | | | | | | | |
|--------------|-------------|---------------------------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|
| EWT | ΔT | 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 2.66 | 0.29 | 4.63 | 2.32 | 0.25 | 3.66 | 1.97 | 0.21 | 2.78 | 1.63 | 0.18 | 1.86 |
| | 10 | 2.29 | 0.20 | 2.41 | 1.96 | 0.17 | 1.66 | 1.65 | 0.14 | 1.05 | 1.35 | 0.12 | 0.65 |
| | 12 | 1.99 | 0.14 | 1.04 | 1.68 | 0.12 | 0.70 | 1.36 | 0.10 | 0.53 | 1.04 | 0.07 | 0.41 |
| | 14 | 1.69 | 0.10 | 0.58 | 1.36 | 0.08 | 0.47 | 1.03 | 0.06 | 0.36 | 0.70 | 0.04 | 0.25 |
| | 16 | 1.37 | 0.07 | 0.42 | 1.04 | 0.06 | 0.32 | 0.71 | 0.04 | 0.22 | 0.37 | 0.02 | 0.12 |
| 45 | 8 | 3.53 | 0.38 | 7.31 | 3.19 | 0.34 | 6.15 | 2.85 | 0.31 | 5.08 | 2.51 | 0.27 | 4.09 |
| | 10 | 3.19 | 0.28 | 4.22 | 2.85 | 0.25 | 3.48 | 2.50 | 0.22 | 2.79 | 2.15 | 0.19 | 2.14 |
| | 12 | 2.82 | 0.20 | 2.55 | 2.48 | 0.18 | 1.96 | 2.16 | 0.15 | 1.38 | 1.85 | 0.13 | 0.92 |
| | 14 | 2.48 | 0.15 | 1.32 | 2.18 | 0.13 | 0.92 | 1.88 | 0.12 | 0.64 | 1.55 | 0.10 | 0.48 |
| | 16 | 2.21 | 0.12 | 0.69 | 1.89 | 0.10 | 0.53 | 1.56 | 0.08 | 0.44 | 1.23 | 0.07 | 0.35 |
| 50 | 8 | 4.39 | 0.47 | 10.40 | 4.05 | 0.44 | 9.05 | 3.71 | 0.40 | 7.79 | 3.38 | 0.36 | 6.61 |
| | 10 | 4.07 | 0.35 | 6.26 | 3.73 | 0.32 | 5.39 | 3.39 | 0.29 | 4.58 | 3.05 | 0.26 | 3.82 |
| | 12 | 3.73 | 0.27 | 3.96 | 3.38 | 0.24 | 3.36 | 3.04 | 0.22 | 2.80 | 2.69 | 0.19 | 2.28 |
| | 14 | 3.37 | 0.21 | 2.58 | 3.01 | 0.19 | 2.13 | 2.67 | 0.16 | 1.66 | 2.34 | 0.14 | 1.20 |
| | 16 | 3.00 | 0.16 | 1.59 | 2.68 | 0.14 | 1.19 | 2.38 | 0.13 | 0.86 | 2.07 | 0.11 | 0.61 |
| 55 | 8 | 5.25 | 0.57 | 13.86 | 4.91 | 0.53 | 12.34 | 4.57 | 0.49 | 10.90 | 4.23 | 0.46 | 9.54 |
| | 10 | 4.94 | 0.43 | 8.54 | 4.59 | 0.40 | 7.55 | 4.25 | 0.37 | 6.61 | 3.91 | 0.34 | 5.73 |
| | 12 | 4.61 | 0.33 | 5.55 | 4.26 | 0.31 | 4.87 | 3.92 | 0.28 | 4.22 | 3.58 | 0.26 | 3.61 |
| | 14 | 4.27 | 0.26 | 3.79 | 3.93 | 0.24 | 3.28 | 3.58 | 0.22 | 2.80 | 3.24 | 0.20 | 2.36 |
| | 16 | 3.92 | 0.21 | 2.61 | 3.57 | 0.19 | 2.23 | 3.21 | 0.17 | 1.86 | 2.87 | 0.15 | 1.47 |
| 60 | 8 | 6.11 | 0.66 | 17.80 | 5.77 | 0.62 | 16.10 | 5.43 | 0.59 | 14.48 | 5.09 | 0.55 | 12.87 |
| | 10 | 5.79 | 0.50 | 11.01 | 5.45 | 0.47 | 9.91 | 5.10 | 0.44 | 8.86 | 4.77 | 0.41 | 7.87 |
| | 12 | 5.48 | 0.39 | 7.35 | 5.14 | 0.37 | 6.57 | 4.80 | 0.35 | 5.84 | 4.46 | 0.32 | 5.15 |
| | 14 | 5.15 | 0.32 | 5.08 | 4.81 | 0.30 | 4.52 | 4.47 | 0.28 | 3.98 | 4.13 | 0.25 | 3.47 |
| | 16 | 4.83 | 0.26 | 3.64 | 4.48 | 0.24 | 3.20 | 4.13 | 0.22 | 2.79 | 3.78 | 0.20 | 2.40 |

Heating Capacity:

| MDVF-750C4FE | | | | | | | | | | | | | |
|--------------|-------------|---------------------------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|
| EWT | ΔT | 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 2.62 | 0.28 | 4.50 | 2.28 | 0.25 | 3.56 | 1.93 | 0.21 | 2.69 | 1.60 | 0.17 | 1.78 |
| | 10 | 2.24 | 0.19 | 2.31 | 1.92 | 0.17 | 1.58 | 1.62 | 0.14 | 1.00 | 1.33 | 0.11 | 0.63 |
| | 12 | 1.95 | 0.14 | 0.99 | 1.65 | 0.12 | 0.68 | 1.33 | 0.10 | 0.52 | 1.01 | 0.07 | 0.40 |
| | 14 | 1.65 | 0.10 | 0.57 | 1.33 | 0.08 | 0.46 | 1.01 | 0.06 | 0.35 | 0.69 | 0.04 | 0.24 |
| | 16 | 1.33 | 0.07 | 0.41 | 1.01 | 0.05 | 0.32 | 0.69 | 0.04 | 0.22 | 0.36 | 0.02 | 0.11 |
| 45 | 8 | 3.48 | 0.38 | 7.13 | 3.15 | 0.34 | 6.00 | 2.81 | 0.30 | 4.95 | 2.47 | 0.27 | 3.98 |
| | 10 | 3.14 | 0.27 | 4.11 | 2.80 | 0.24 | 3.38 | 2.46 | 0.21 | 2.71 | 2.11 | 0.18 | 2.06 |
| | 12 | 2.77 | 0.20 | 2.46 | 2.43 | 0.18 | 1.88 | 2.11 | 0.15 | 1.32 | 1.82 | 0.13 | 0.87 |
| | 14 | 2.44 | 0.15 | 1.25 | 2.14 | 0.13 | 0.88 | 1.84 | 0.11 | 0.62 | 1.52 | 0.09 | 0.47 |
| | 16 | 2.17 | 0.12 | 0.66 | 1.85 | 0.10 | 0.52 | 1.53 | 0.08 | 0.43 | 1.20 | 0.07 | 0.34 |
| 50 | 8 | 4.33 | 0.47 | 10.16 | 4.00 | 0.43 | 8.84 | 3.66 | 0.40 | 7.61 | 3.33 | 0.36 | 6.46 |
| | 10 | 4.01 | 0.35 | 6.11 | 3.67 | 0.32 | 5.26 | 3.34 | 0.29 | 4.46 | 3.00 | 0.26 | 3.72 |
| | 12 | 3.67 | 0.26 | 3.85 | 3.33 | 0.24 | 3.26 | 2.99 | 0.21 | 2.72 | 2.64 | 0.19 | 2.21 |
| | 14 | 3.31 | 0.20 | 2.51 | 2.96 | 0.18 | 2.06 | 2.62 | 0.16 | 1.59 | 2.30 | 0.14 | 1.15 |
| | 16 | 2.95 | 0.16 | 1.52 | 2.63 | 0.14 | 1.14 | 2.34 | 0.13 | 0.82 | 2.04 | 0.11 | 0.58 |
| 55 | 8 | 5.18 | 0.56 | 13.56 | 4.85 | 0.52 | 12.07 | 4.51 | 0.49 | 10.66 | 4.18 | 0.45 | 9.33 |
| | 10 | 4.87 | 0.42 | 8.34 | 4.53 | 0.39 | 7.37 | 4.20 | 0.36 | 6.46 | 3.86 | 0.33 | 5.60 |
| | 12 | 4.54 | 0.33 | 5.42 | 4.20 | 0.30 | 4.75 | 3.87 | 0.28 | 4.11 | 3.53 | 0.25 | 3.52 |
| | 14 | 4.21 | 0.26 | 3.69 | 3.87 | 0.24 | 3.19 | 3.53 | 0.22 | 2.73 | 3.18 | 0.20 | 2.29 |
| | 16 | 3.85 | 0.21 | 2.54 | 3.50 | 0.19 | 2.16 | 3.15 | 0.17 | 1.79 | 2.81 | 0.15 | 1.41 |
| 60 | 8 | 6.04 | 0.65 | 17.41 | 5.70 | 0.62 | 15.75 | 5.36 | 0.58 | 14.09 | 5.02 | 0.54 | 12.59 |
| | 10 | 5.67 | 0.49 | 10.76 | 5.38 | 0.46 | 9.68 | 5.05 | 0.44 | 8.66 | 4.71 | 0.41 | 7.69 |
| | 12 | 5.41 | 0.39 | 7.18 | 5.07 | 0.36 | 6.42 | 4.73 | 0.34 | 5.71 | 4.40 | 0.32 | 5.03 |
| | 14 | 5.08 | 0.31 | 4.96 | 4.74 | 0.29 | 4.41 | 4.40 | 0.27 | 3.88 | 4.07 | 0.25 | 3.39 |
| | 16 | 4.75 | 0.26 | 3.55 | 4.41 | 0.24 | 3.11 | 4.07 | 0.22 | 2.71 | 3.72 | 0.20 | 2.34 |

Heating Capacity:

| MDVF-850C4FE | | | | | | | | | | | | | |
|--------------|-------------|---------------------------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|
| EWT | ΔT | 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 2.74 | 0.30 | 4.85 | 2.38 | 0.26 | 3.84 | 2.02 | 0.22 | 2.91 | 1.67 | 0.18 | 1.98 |
| | 10 | 2.34 | 0.20 | 2.54 | 2.00 | 0.17 | 1.76 | 1.69 | 0.15 | 1.11 | 1.38 | 0.12 | 0.68 |
| | 12 | 2.03 | 0.15 | 1.10 | 1.72 | 0.12 | 0.73 | 1.39 | 0.10 | 0.54 | 1.05 | 0.08 | 0.41 |
| | 14 | 1.72 | 0.11 | 0.59 | 1.39 | 0.09 | 0.48 | 1.05 | 0.06 | 0.36 | 0.71 | 0.04 | 0.25 |
| | 16 | 1.39 | 0.07 | 0.43 | 1.05 | 0.06 | 0.33 | 0.71 | 0.04 | 0.22 | 0.37 | 0.02 | 0.12 |
| 45 | 8 | 3.64 | 0.39 | 7.70 | 3.29 | 0.35 | 6.47 | 2.94 | 0.32 | 5.34 | 2.59 | 0.28 | 4.30 |
| | 10 | 3.28 | 0.28 | 4.43 | 2.93 | 0.25 | 3.65 | 2.57 | 0.22 | 2.93 | 2.21 | 0.19 | 2.25 |
| | 12 | 2.90 | 0.21 | 2.67 | 2.54 | 0.18 | 2.07 | 2.20 | 0.16 | 1.47 | 1.89 | 0.14 | 0.97 |
| | 14 | 2.53 | 0.16 | 1.39 | 2.22 | 0.14 | 0.98 | 1.91 | 0.12 | 0.67 | 1.59 | 0.10 | 0.50 |
| | 16 | 2.26 | 0.12 | 0.72 | 1.93 | 0.10 | 0.55 | 1.59 | 0.09 | 0.45 | 1.25 | 0.07 | 0.35 |
| 50 | 8 | 4.53 | 0.49 | 10.96 | 4.18 | 0.45 | 9.55 | 3.83 | 0.41 | 8.22 | 3.48 | 0.38 | 6.97 |
| | 10 | 4.19 | 0.36 | 6.59 | 3.84 | 0.33 | 5.68 | 3.49 | 0.30 | 4.82 | 3.14 | 0.27 | 4.02 |
| | 12 | 3.84 | 0.28 | 4.16 | 3.48 | 0.25 | 3.52 | 3.12 | 0.22 | 2.93 | 2.76 | 0.20 | 2.39 |
| | 14 | 3.46 | 0.21 | 2.71 | 3.10 | 0.19 | 2.24 | 2.74 | 0.17 | 1.75 | 2.40 | 0.15 | 1.28 |
| | 16 | 3.07 | 0.17 | 1.68 | 2.74 | 0.15 | 1.26 | 2.43 | 0.13 | 0.91 | 2.12 | 0.11 | 0.64 |
| 55 | 8 | 5.42 | 0.59 | 14.72 | 5.07 | 0.55 | 13.03 | 4.72 | 0.51 | 11.52 | 4.37 | 0.47 | 10.08 |
| | 10 | 5.09 | 0.44 | 9.00 | 4.74 | 0.41 | 7.96 | 4.39 | 0.38 | 6.97 | 4.04 | 0.35 | 6.05 |
| | 12 | 4.75 | 0.34 | 5.84 | 4.40 | 0.32 | 5.12 | 4.04 | 0.29 | 4.44 | 3.69 | 0.27 | 3.80 |
| | 14 | 4.40 | 0.27 | 3.98 | 4.05 | 0.25 | 3.45 | 3.69 | 0.23 | 2.95 | 3.33 | 0.21 | 2.48 |
| | 16 | 4.03 | 0.22 | 2.74 | 3.67 | 0.20 | 2.34 | 3.30 | 0.18 | 1.95 | 2.94 | 0.16 | 1.55 |
| 60 | 8 | 6.30 | 0.68 | 18.71 | 5.96 | 0.64 | 17.02 | 5.61 | 0.61 | 15.31 | 5.25 | 0.57 | 13.61 |
| | 10 | 5.98 | 0.52 | 11.62 | 5.63 | 0.49 | 10.46 | 5.28 | 0.45 | 9.36 | 4.93 | 0.42 | 8.31 |
| | 12 | 5.65 | 0.41 | 7.75 | 5.30 | 0.38 | 6.93 | 4.95 | 0.36 | 6.16 | 4.60 | 0.33 | 5.43 |
| | 14 | 5.31 | 0.33 | 5.35 | 4.96 | 0.31 | 4.76 | 4.61 | 0.28 | 4.19 | 4.25 | 0.26 | 3.66 |
| | 16 | 4.97 | 0.27 | 3.83 | 4.61 | 0.25 | 3.37 | 4.25 | 0.23 | 2.93 | 3.90 | 0.21 | 2.52 |

Heating Capacity:

| MDVF-950C4FE | | | | | | | | | | | | | |
|--------------|-------------|---------------------------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|
| EWT | ΔT | 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 2.89 | 0.31 | 5.33 | 2.52 | 0.27 | 4.23 | 2.15 | 0.23 | 3.22 | 1.77 | 0.19 | 2.26 |
| | 10 | 2.49 | 0.21 | 2.85 | 2.12 | 0.18 | 2.02 | 1.78 | 0.15 | 1.28 | 1.46 | 0.13 | 0.77 |
| | 12 | 2.14 | 0.15 | 1.27 | 1.82 | 0.13 | 0.83 | 1.47 | 0.11 | 0.58 | 1.12 | 0.08 | 0.44 |
| | 14 | 1.83 | 0.11 | 0.64 | 1.47 | 0.09 | 0.51 | 1.12 | 0.07 | 0.39 | 0.76 | 0.05 | 0.26 |
| | 16 | 1.48 | 0.08 | 0.46 | 1.12 | 0.06 | 0.35 | 0.76 | 0.04 | 0.24 | 0.40 | 0.02 | 0.13 |
| 45 | 8 | 3.84 | 0.41 | 8.43 | 3.47 | 0.37 | 7.09 | 3.10 | 0.33 | 5.86 | 2.74 | 0.30 | 4.72 |
| | 10 | 3.47 | 0.30 | 4.87 | 3.10 | 0.27 | 4.02 | 2.72 | 0.24 | 3.23 | 2.35 | 0.20 | 2.51 |
| | 12 | 3.08 | 0.22 | 2.95 | 2.70 | 0.19 | 2.34 | 2.33 | 0.17 | 1.69 | 1.99 | 0.14 | 1.12 |
| | 14 | 2.68 | 0.17 | 1.61 | 2.35 | 0.14 | 1.13 | 2.03 | 0.12 | 0.76 | 1.68 | 0.10 | 0.53 |
| | 16 | 2.38 | 0.13 | 0.81 | 2.05 | 0.11 | 0.60 | 1.69 | 0.09 | 0.47 | 1.34 | 0.07 | 0.38 |
| 50 | 8 | 4.77 | 0.51 | 11.99 | 4.40 | 0.47 | 10.44 | 4.04 | 0.44 | 8.99 | 3.67 | 0.40 | 7.63 |
| | 10 | 4.42 | 0.38 | 7.22 | 4.05 | 0.35 | 6.22 | 3.68 | 0.32 | 5.28 | 3.32 | 0.29 | 4.41 |
| | 12 | 4.05 | 0.29 | 4.57 | 3.68 | 0.26 | 3.87 | 3.31 | 0.24 | 3.23 | 2.93 | 0.21 | 2.63 |
| | 14 | 3.67 | 0.23 | 2.99 | 3.29 | 0.20 | 2.48 | 2.90 | 0.18 | 1.98 | 2.54 | 0.16 | 1.47 |
| | 16 | 3.26 | 0.18 | 1.91 | 2.90 | 0.16 | 1.46 | 2.56 | 0.14 | 1.05 | 2.24 | 0.12 | 0.73 |
| 55 | 8 | 5.70 | 0.62 | 16.09 | 5.33 | 0.58 | 14.32 | 4.97 | 0.54 | 12.59 | 4.60 | 0.50 | 11.02 |
| | 10 | 5.36 | 0.46 | 9.85 | 4.99 | 0.43 | 8.71 | 4.62 | 0.40 | 7.63 | 4.26 | 0.37 | 6.62 |
| | 12 | 5.01 | 0.36 | 6.40 | 4.64 | 0.33 | 5.61 | 4.27 | 0.31 | 4.87 | 3.90 | 0.28 | 4.17 |
| | 14 | 4.65 | 0.29 | 4.37 | 4.28 | 0.26 | 3.79 | 3.90 | 0.24 | 3.24 | 3.53 | 0.22 | 2.73 |
| | 16 | 4.27 | 0.23 | 3.02 | 3.89 | 0.21 | 2.58 | 3.51 | 0.19 | 2.17 | 3.12 | 0.17 | 1.76 |
| 60 | 8 | 6.63 | 0.71 | 20.44 | 6.26 | 0.67 | 18.49 | 5.90 | 0.64 | 16.72 | 5.53 | 0.60 | 14.95 |
| | 10 | 6.29 | 0.54 | 12.70 | 5.90 | 0.51 | 11.43 | 5.53 | 0.48 | 10.23 | 5.16 | 0.45 | 9.09 |
| | 12 | 5.95 | 0.43 | 8.48 | 5.58 | 0.40 | 7.59 | 5.22 | 0.38 | 6.74 | 4.85 | 0.35 | 5.95 |
| | 14 | 5.60 | 0.35 | 5.86 | 5.23 | 0.32 | 5.21 | 4.86 | 0.30 | 4.60 | 4.49 | 0.28 | 4.01 |
| | 16 | 5.25 | 0.28 | 4.20 | 4.87 | 0.26 | 3.70 | 4.50 | 0.24 | 3.23 | 4.12 | 0.22 | 2.78 |

Heating Capacity:

| MDVF-1200C4FE | | | | | | | | | | | | | |
|---------------|----|---------------------------|-------------------|-------|------|-------------------|-------|------|-------------------|------|------|-------------------|------|
| 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 3.83 | 0.41 | 2.95 | 3.32 | 0.36 | 2.32 | 2.81 | 0.30 | 1.73 | 2.32 | 0.25 | 1.12 |
| | 10 | 3.26 | 0.28 | 1.47 | 2.79 | 0.24 | 0.99 | 2.36 | 0.20 | 0.63 | 1.91 | 0.17 | 0.40 |
| | 12 | 2.83 | 0.20 | 0.62 | 2.38 | 0.17 | 0.43 | 1.91 | 0.14 | 0.34 | 1.44 | 0.10 | 0.26 |
| | 14 | 2.37 | 0.15 | 0.37 | 1.89 | 0.12 | 0.30 | 1.42 | 0.09 | 0.22 | 0.95 | 0.06 | 0.15 |
| | 16 | 1.89 | 0.10 | 0.27 | 1.42 | 0.08 | 0.20 | 0.95 | 0.05 | 0.14 | 0.48 | 0.03 | 0.07 |
| 45 | 8 | 5.13 | 0.55 | 4.72 | 4.63 | 0.50 | 3.96 | 4.13 | 0.44 | 3.26 | 3.62 | 0.39 | 2.61 |
| | 10 | 4.60 | 0.40 | 2.70 | 4.09 | 0.35 | 2.21 | 3.57 | 0.31 | 1.76 | 3.06 | 0.26 | 1.31 |
| | 12 | 4.03 | 0.29 | 1.58 | 3.53 | 0.25 | 1.19 | 3.06 | 0.22 | 0.83 | 2.63 | 0.19 | 0.54 |
| | 14 | 3.54 | 0.22 | 0.78 | 3.10 | 0.19 | 0.55 | 2.65 | 0.16 | 0.39 | 2.18 | 0.13 | 0.31 |
| | 16 | 3.13 | 0.17 | 0.42 | 2.66 | 0.14 | 0.34 | 2.18 | 0.12 | 0.28 | 1.70 | 0.09 | 0.22 |
| 50 | 8 | 6.40 | 0.69 | 6.76 | 5.90 | 0.64 | 5.88 | 5.40 | 0.58 | 5.05 | 4.91 | 0.53 | 4.28 |
| | 10 | 5.90 | 0.51 | 4.04 | 5.40 | 0.47 | 3.47 | 4.90 | 0.42 | 2.94 | 4.39 | 0.38 | 2.44 |
| | 12 | 5.37 | 0.39 | 2.53 | 4.86 | 0.35 | 2.14 | 4.35 | 0.31 | 1.77 | 3.83 | 0.28 | 1.43 |
| | 14 | 4.81 | 0.30 | 1.63 | 4.29 | 0.26 | 1.32 | 3.80 | 0.23 | 1.00 | 3.34 | 0.21 | 0.72 |
| | 16 | 4.27 | 0.23 | 0.95 | 3.82 | 0.21 | 0.71 | 3.38 | 0.18 | 0.51 | 2.94 | 0.16 | 0.37 |
| 55 | 8 | 7.67 | 0.83 | 9.05 | 7.18 | 0.77 | 8.05 | 6.67 | 0.72 | 7.10 | 6.17 | 0.67 | 6.21 |
| | 10 | 7.19 | 0.62 | 5.54 | 6.68 | 0.58 | 4.89 | 6.18 | 0.53 | 4.28 | 5.68 | 0.49 | 3.70 |
| | 12 | 6.66 | 0.48 | 3.58 | 6.18 | 0.44 | 3.13 | 5.66 | 0.41 | 2.71 | 5.17 | 0.37 | 2.31 |
| | 14 | 6.17 | 0.38 | 2.42 | 5.66 | 0.35 | 2.09 | 5.15 | 0.32 | 1.78 | 4.63 | 0.29 | 1.49 |
| | 16 | 5.61 | 0.30 | 1.65 | 5.09 | 0.27 | 1.40 | 4.57 | 0.25 | 1.14 | 4.08 | 0.22 | 0.89 |
| 60 | 8 | 8.94 | 0.96 | 11.60 | 8.44 | 0.91 | 10.48 | 7.94 | 0.86 | 9.47 | 7.39 | 0.80 | 8.46 |
| | 10 | 8.46 | 0.73 | 7.18 | 7.96 | 0.69 | 6.45 | 7.45 | 0.64 | 5.76 | 6.95 | 0.60 | 5.11 |
| | 12 | 7.98 | 0.57 | 4.77 | 7.47 | 0.54 | 4.26 | 6.96 | 0.50 | 3.76 | 6.46 | 0.46 | 3.31 |
| | 14 | 7.47 | 0.46 | 3.28 | 6.97 | 0.43 | 2.91 | 6.46 | 0.40 | 2.56 | 5.96 | 0.37 | 2.22 |
| | 16 | 6.96 | 0.38 | 2.32 | 6.45 | 0.35 | 2.04 | 5.94 | 0.32 | 1.77 | 5.43 | 0.29 | 1.52 |

Heating Capacity:

| MDVF-1500C4FE | | | | | | | | | | | | | |
|---------------|-------------|---------------------------|-------------------|-------|-------|-------------------|-------|------|-------------------|-------|------|-------------------|-------|
| EWT | ΔT | 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 ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa | kW | m ³ /h | kPa |
| 40 | 8 | 4.65 | 0.50 | 4.10 | 4.05 | 0.44 | 3.25 | 3.46 | 0.37 | 2.48 | 2.85 | 0.31 | 1.78 |
| | 10 | 4.02 | 0.35 | 2.21 | 3.41 | 0.29 | 1.63 | 2.85 | 0.25 | 1.04 | 2.33 | 0.20 | 0.61 |
| | 12 | 3.42 | 0.25 | 1.03 | 2.90 | 0.21 | 0.66 | 2.36 | 0.17 | 0.43 | 1.79 | 0.13 | 0.32 |
| | 14 | 2.93 | 0.18 | 0.48 | 2.36 | 0.15 | 0.37 | 1.79 | 0.11 | 0.28 | 1.22 | 0.08 | 0.19 |
| | 16 | 2.37 | 0.13 | 0.34 | 1.80 | 0.10 | 0.26 | 1.23 | 0.07 | 0.18 | 0.64 | 0.03 | 0.09 |
| 45 | 8 | 6.16 | 0.66 | 6.46 | 5.56 | 0.60 | 5.43 | 4.97 | 0.54 | 4.48 | 4.38 | 0.47 | 3.62 |
| | 10 | 5.57 | 0.48 | 3.74 | 4.97 | 0.43 | 3.08 | 4.37 | 0.38 | 2.48 | 3.77 | 0.33 | 1.93 |
| | 12 | 4.96 | 0.36 | 2.27 | 4.35 | 0.31 | 1.82 | 3.74 | 0.27 | 1.36 | 3.18 | 0.23 | 0.91 |
| | 14 | 4.31 | 0.27 | 1.30 | 3.75 | 0.23 | 0.91 | 3.22 | 0.20 | 0.61 | 2.69 | 0.17 | 0.40 |
| | 16 | 3.80 | 0.21 | 0.65 | 3.27 | 0.18 | 0.46 | 2.71 | 0.15 | 0.35 | 2.13 | 0.12 | 0.27 |
| 50 | 8 | 7.64 | 0.82 | 9.19 | 7.05 | 0.76 | 7.99 | 6.46 | 0.70 | 6.87 | 5.82 | 0.63 | 5.83 |
| | 10 | 7.08 | 0.61 | 5.53 | 6.49 | 0.56 | 4.76 | 5.90 | 0.51 | 4.04 | 5.31 | 0.46 | 3.37 |
| | 12 | 6.50 | 0.47 | 3.50 | 5.90 | 0.42 | 2.97 | 5.30 | 0.38 | 2.48 | 4.70 | 0.34 | 2.02 |
| | 14 | 5.89 | 0.36 | 2.30 | 5.29 | 0.33 | 1.91 | 4.67 | 0.29 | 1.55 | 4.07 | 0.25 | 1.18 |
| | 16 | 5.25 | 0.28 | 1.51 | 4.65 | 0.25 | 1.17 | 4.09 | 0.22 | 0.85 | 3.56 | 0.19 | 0.58 |
| 55 | 8 | 9.13 | 0.98 | 12.26 | 8.51 | 0.92 | 10.91 | 7.94 | 0.86 | 9.62 | 7.35 | 0.79 | 8.42 |
| | 10 | 8.58 | 0.74 | 7.54 | 7.99 | 0.69 | 6.66 | 7.40 | 0.64 | 5.83 | 6.80 | 0.59 | 5.05 |
| | 12 | 8.02 | 0.58 | 4.90 | 7.41 | 0.53 | 4.29 | 6.83 | 0.49 | 3.72 | 6.23 | 0.45 | 3.18 |
| | 14 | 7.45 | 0.46 | 3.34 | 6.85 | 0.42 | 2.90 | 6.25 | 0.39 | 2.48 | 5.65 | 0.35 | 2.09 |
| | 16 | 6.85 | 0.37 | 2.31 | 6.24 | 0.34 | 1.98 | 5.63 | 0.30 | 1.66 | 5.02 | 0.27 | 1.36 |
| 60 | 8 | 10.61 | 1.15 | 15.75 | 10.02 | 1.08 | 14.16 | 9.43 | 1.02 | 12.73 | 8.82 | 0.95 | 11.37 |
| | 10 | 10.07 | 0.87 | 9.73 | 9.48 | 0.82 | 8.75 | 8.88 | 0.77 | 7.82 | 8.29 | 0.71 | 6.94 |
| | 12 | 9.53 | 0.69 | 6.49 | 8.93 | 0.64 | 5.80 | 8.34 | 0.60 | 5.15 | 7.75 | 0.56 | 4.53 |
| | 14 | 8.97 | 0.55 | 4.49 | 8.37 | 0.52 | 3.98 | 7.77 | 0.48 | 3.51 | 7.18 | 0.44 | 3.06 |
| | 16 | 8.40 | 0.45 | 3.21 | 7.79 | 0.42 | 2.82 | 7.19 | 0.39 | 2.46 | 6.59 | 0.36 | 2.12 |

Abbreviations:

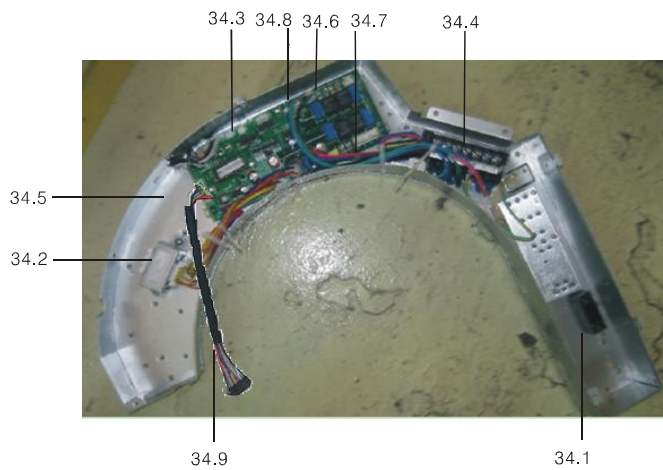
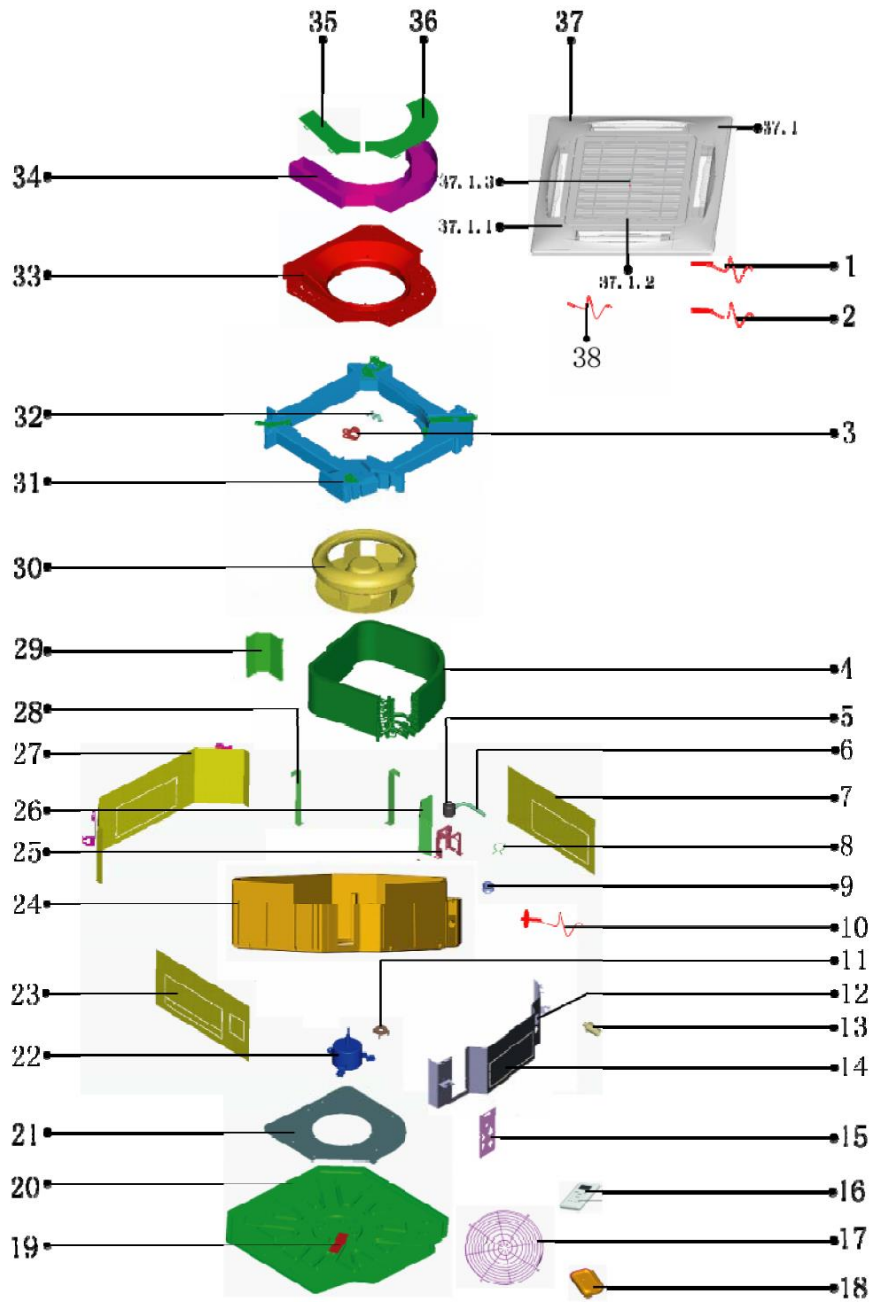
ΔT : Temperature Difference. ($^{\circ}C$) **TH:** Total Heating Capacity. (kW) **WF:** Water Flow. (m³/h) **WPD:** Water Pressure Drop. (kPa)

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 |

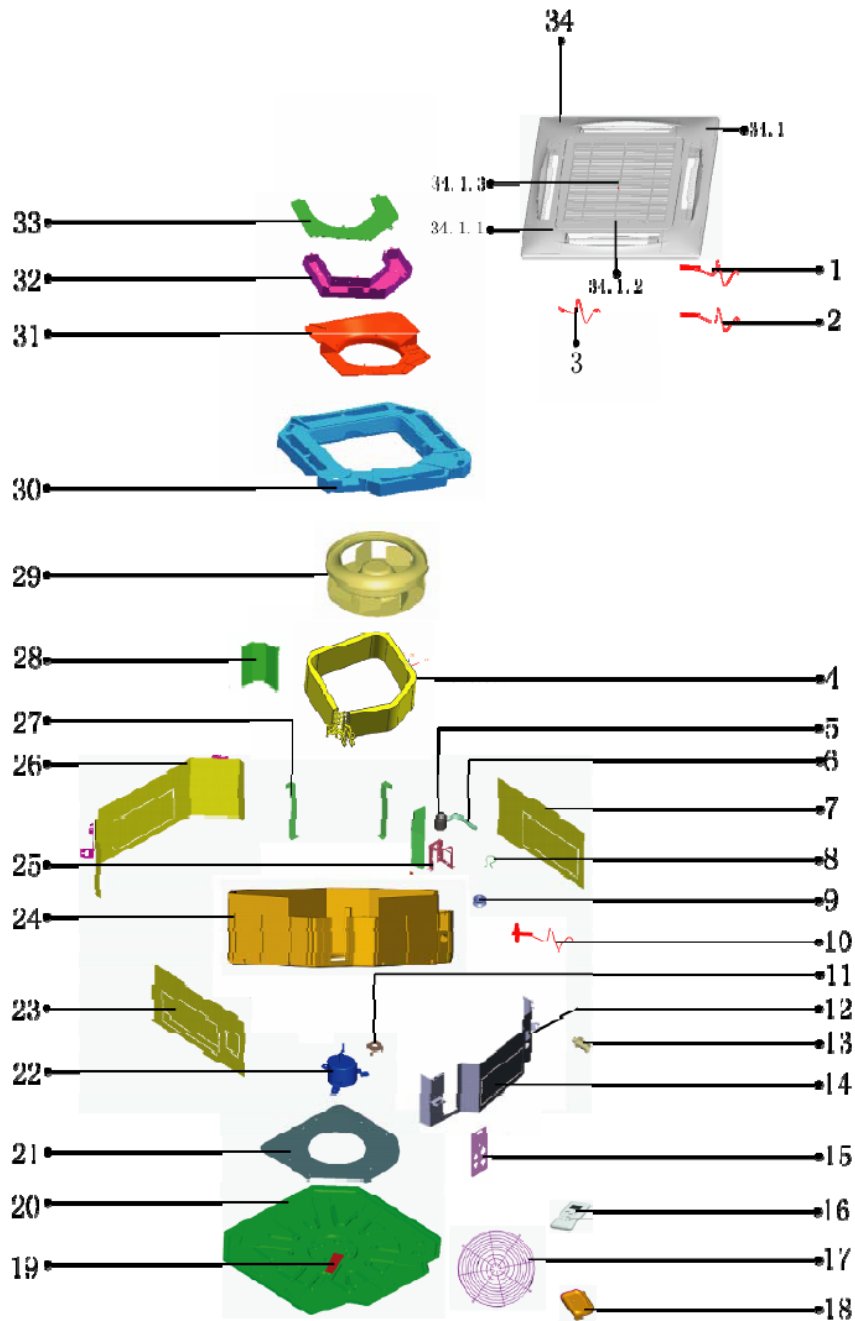
11. Exploded View

MDVF-600C4FE, MDVF-750C4FE, MDVF-850C4FE, MDVF-950C4FE



| No. | Part Name | Quantity | No. | Part Name | Quantity |
|-----|---------------------------------------|----------|--------|-----------------------------------|----------|
| 1 | Temperature sensor | 1 | 27 | Board ass'y | 1 |
| 2 | Temp. sensor ass'y | 1 | 28 | Evaporator fixing hanger | 3 |
| 3 | Wire clip | 1 | 29 | Evaporator fixing board | 1 |
| 4 | Evaporator ass'y | 1 | 30 | Fan ass'y | 1 |
| 5 | Drain pump | 1 | 31 | Foam ass'y | 1 |
| 6 | Water pipe | 1 | 32 | Wire clamp | 1 |
| 7 | Board ass'y | 1 | 33 | Ring ass'y | 1 |
| 8 | Water pipe clamp | 1 | 34 | E-part box | 1 |
| 9 | Pump rubber washer | 3 | 34.1 | Motor capacitor | 1 |
| 10 | Water level sensor ass'y | 1 | 34.2 | Transformer | 1 |
| 11 | Fan clip | 1 | 34.3 | Main controller ass'y | 1 |
| 12 | Water cover ass'y | 1 | 34.4 | Wire joint, 7p | 1 |
| 13 | Water pipe | 1 | 34.5 | E-part box | 1 |
| 14 | Board ass'y | 1 | 34.6 | Outdoor communication cable | 1 |
| 15 | Cover ass'y | 1 | 34.7 | Wire | 1 |
| 16 | Remote controller | 1 | 34.8 | Outdoor communication cable | 1 |
| 17 | Net | 1 | 34.9 | Signal wire | 1 |
| 18 | Installation bracket | 1 | 35 | Electricity control box coping II | 1 |
| 19 | Wire clamp | 1 | 36 | Electricity control box coping I | 1 |
| 20 | Base | 1 | 37 | Panel | 1 |
| 21 | Gasket | 1 | 37.1 | Panel ass'y | 1 |
| 22 | Fan Motor | 1 | 37.1.1 | Swing motor | 2 |
| 23 | Board ass'y | 1 | 37.1.2 | Display control box ass'y | 1 |
| 24 | Foam ass'y | 1 | 37.1.3 | Room temp sensor ass'y | 1 |
| 25 | Water Pump installation bracket ass'y | 1 | 38 | Fan motor connection cable | 1 |
| 26 | Water pump board | 1 | | | |

MDVF-1200C4FE, MDVF-1500C4FE



| No. | Part Name | Quantity | No. | Part Name | Quantity |
|-----|----------------------------|----------|--------|---------------------------------------|----------|
| 1 | Temperature sensor | 1 | 25 | Water Pump installation bracket ass'y | 1 |
| 2 | Temp.sensor ass'y | 1 | 26 | Board ass'y | 1 |
| 3 | Fan motor connection cable | 1 | 27 | Evaporator Fixing board | 2 |
| 4 | Evaporator ass'y | 1 | 28 | Evaporator joint board | 1 |
| 5 | Drain pump | 1 | 29 | Fan ass'y | 1 |
| 6 | Water pipe | 1 | 30 | Foam ass'y | 1 |
| 7 | Board ass'y | 1 | 31 | Ring ass'y | 1 |
| 8 | Water pipe clamp | 1 | 32 | E-part box ass'y | 1 |
| 9 | Pump rubber washer | 3 | 32.1 | E-part box | 1 |
| 10 | Water level sensor ass'y | 1 | 32.2 | Motor capacitor | 1 |
| 11 | Fan clip | 1 | 32.3 | Transformer | 1 |
| 12 | Water cover ass'y | 1 | 32.4 | Outdoor communication cable | 1 |
| 13 | Water pipe | 1 | 32.5 | Outdoor communication cable | 1 |
| 14 | Board ass'y | 1 | 32.6 | Wire | 1 |
| 15 | Cover ass'y | 1 | 32.7 | Main controller ass'y | 1 |
| 16 | Remote controller | 1 | 32.8 | Wire joint, 7p | 1 |
| 17 | Net | 1 | 32.9 | Signal wire | 1 |
| 18 | Installation bracket | 1 | 33 | E-Part box cover | 1 |
| 19 | Wire clamp | 1 | 34 | Panel | 1 |
| 20 | Base | 1 | 34.1 | Panel ass'y | 1 |
| 21 | Gasket | 1 | 34.1.1 | Swing motor | 2 |
| 22 | Motor | 1 | 34.1.2 | Display control box ass'y | 1 |
| 23 | Board ass'y | 1 | 34.1.3 | Room temp sensor ass'y | 1 |
| 24 | Foam ass'y | 1 | | | |

12. Installation

12.1 Installation space

The indoor unit should be installed in a location that meets the following requirements:

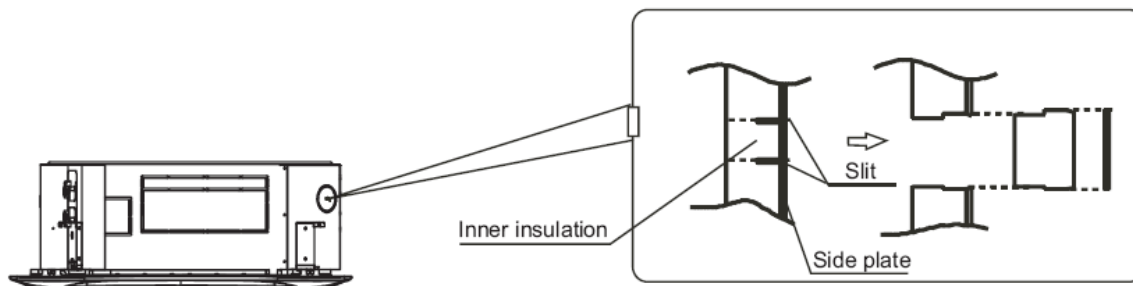
- There is enough room for installation and maintenance.
- The ceiling is horizontal, and its structure can endure the weight of the indoor unit.
- The outlet and the inlet are not impeded, and the influence of external air is the least.
- The air flow can reach throughout the room.
- The connecting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

Caution:

Keep indoor unit, outdoor unit, power supply wiring and transmission wiring at least 1 meter away from televisions and radios. This is to prevent image interference and noise in those electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if 1 meter is kept.)

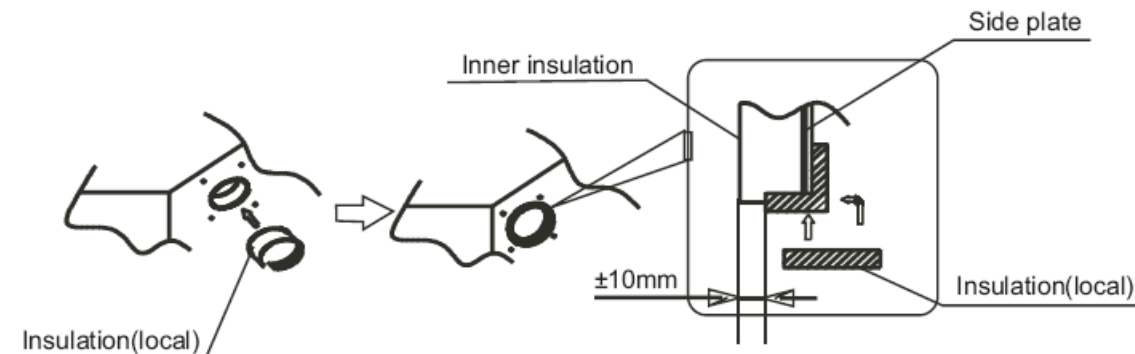
12.2 Installation procedures for fresh air intake duct connection

- Preparing the connection hole



- Cut off the knockout hole on the side plate with a nipper.
- Cut the inner insulation of the hole portion with a cutter.

- Placing the insulation



- Put the insulation tightly around the hole of the unit as shown. The ends of the side plate and the inner insulation must be completely adhered without leaving any clearance along the circumference of the hole. Make sure the inner surface of insulation tightly contacts the inner insulation edge and the side plate.

12.3 Install the main body

A. The existing ceiling (to be horizontal)

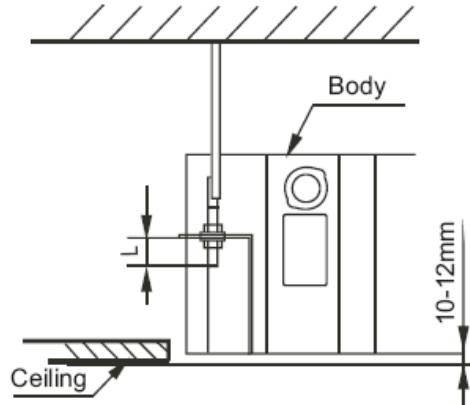
a. Cut a quadrangular hole of 880×880mm in the ceiling according to the shape of the installation paper board.

- The center of the hole should be at the same position of that of the air conditioner body.
- Determine the lengths and outlets of the connecting pipe, drain pipe and cables.
- To balance the ceiling and to avoid vibration, please enforce the ceiling when necessary.

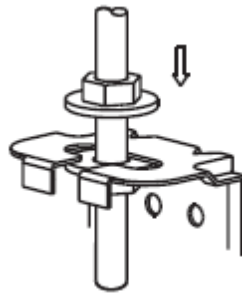
b. Select the position of installation hooks according to the hook holes on the installation board.

- Drill four holes of $\varnothing 12\text{mm}$, 50~55mm deep at the selected positions on the ceiling. Then embed the expansible hooks (fittings).

- Face the concave side of the installation hooks toward the expansible hooks. Determine the length of the installation hooks from the height of ceiling, and then cut off the unnecessary part.
 - If the ceiling is extremely high, please determine the length of the installation hook according to facts.
- c. Adjust the hexangular nuts on the four installation hooks evenly, to ensure the balance of the body.
- If the drainpipe is awry, leakage will be caused by the malfunction of the water-level switch.
 - Adjust the position to ensure the gaps between the body and the four sides of ceiling are even. The body's lower part should sink into the ceiling for 10~12 mm.

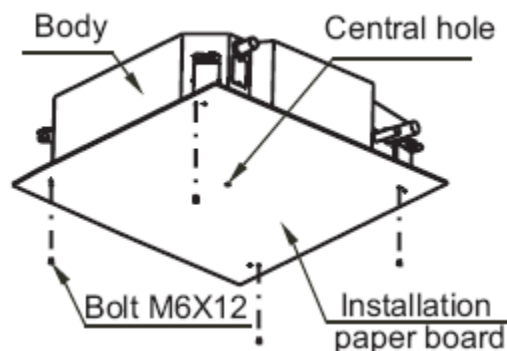


- In general, L is half of the screw length of the installation hook.
- Locate the air conditioner firmly by wrenching the nuts after having adjusted the body's position well.



B. New built houses and ceilings

- a. In the case of new built house, the hook can be embedded in advance (refer to the A.b mentioned above). But it should be strong enough to bear the indoor unit and will not become loose because of concrete shrinking.
- b. After installing the body, please fasten the installation paper board onto the air conditioner with bolts (M6*12) to determine in advance the sizes and positions of the hole opening on ceiling.



- Please first guarantee the flatness and horizontal of ceiling when installing it.
 - Refer to the A.a mentioned above for others.
- c. Refer to the A.c mentioned above for installation.
 - d. Remove the installation paper board.

Caution:

After installing the body, the four bolts(M6x12) must be fastened to the air conditioner onto ensure the body is grounded well.

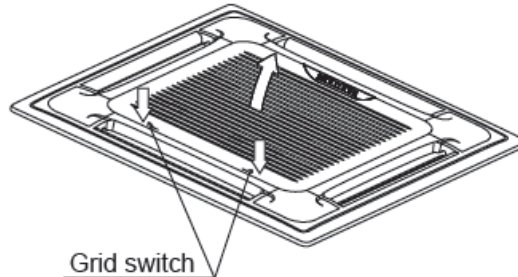
12.4 Install the Panel

Caution:

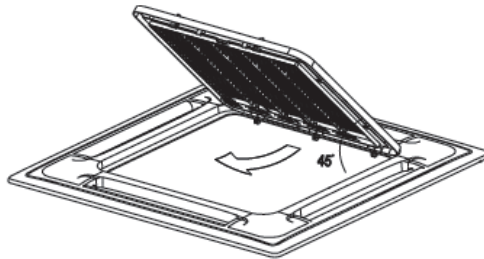
Never put the panel face down on floor or against the wall, or on bulgy objects.
Never crash or strike it.

(1) Remove the air inlet grill.

- a. Slide two grid switches toward the middle at the same time, and then pull them up.

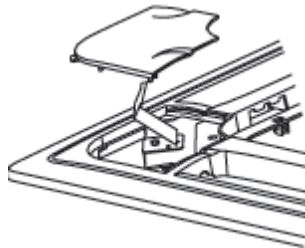


- b. Draw the grid up to an angle of about 45°, and remove it.



(2) Remove the installation covers at the four corners.

Wrench off the bolts, loose the rope of the installation covers, and remove them.



(3) Install the panel

- a. Align the swing motor on the panel to the tubing joints of the body properly.
- b. Fix hooks of the panel at swing motor and its opposite sides to the hooks of corresponding water receiver. Then hang the other two panel hooks onto corresponding hangers of the body.

Cautions:

Do not coil the wiring of the swing motor into the seal sponge.

- c. Adjust the four panel hook screws to keep the panel horizontal, and screw them up to the ceiling evenly.
- d. Regulate the panel in the direction of the arrow slightly to fit the panel's center to the center of the ceiling's opening. Guarantee that hooks of four corners are fixed well.
- e. Keep fastening the screws under the panel hooks, until the thickness of the sponge between the body and the panel's outlet has been reduced to about 4~6mm. The edge of the panel should contact with the ceiling well.

If the gap between the panel and ceiling still exists after fastening the screws, the height of the indoor unit should be modified again.

You can modify the height of the indoor unit through the openings on the panel's four corners; if the lift of the indoor unit and the drainpipe is not influenced.

(4) Hang the air-in grid to the panel, and then connect the lead terminator of the swing motor and that of the control box with corresponding terminators on the body respectively.

(5) Relocate the air-in grid in the procedure of reversed order.

(6) Relocate the installation cover.

- Fasten the rope of installation cover on the bolt of the installation cover. (Refer to chart 16-left)
- Press the installation cover into the panel slightly. (Refer to chart 16-right)

12.5 Connect the Drain Pipe

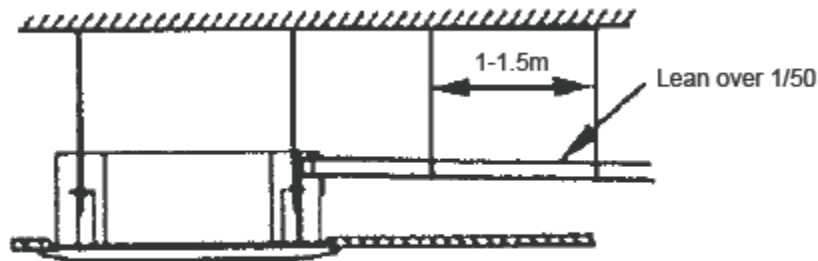
12.5.1 Install the drainpipe of the indoor unit

- You can use a polyethylene tube as the drainpipe (out-dia. 37~39mm, in-dia. 32mm). It could be bought at local market or from your dealer.
- Set the mouth of the drainpipe onto the root of the body's pump-pipe, and clip the drainpipe and the out-let pipe sheath (fittings) together firmly with the out-let pipe clasp (fitting).

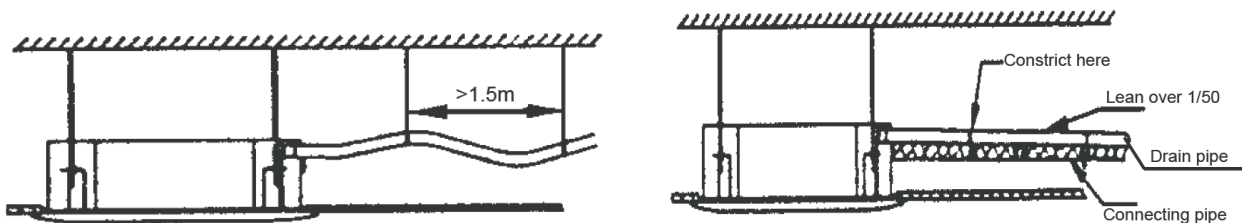
Cautions:

Use your strength carefully to prevent the pump-pipe from breaking.

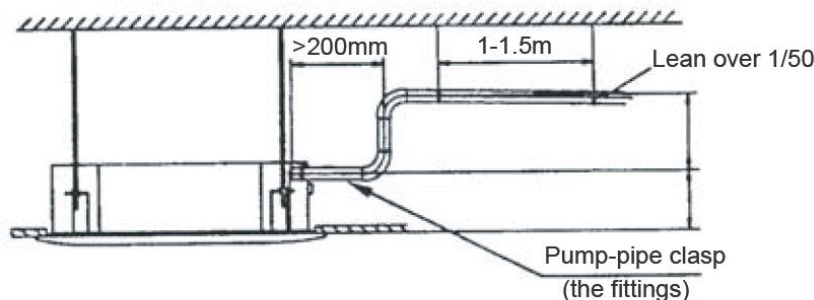
- The body's pump pipe and the drainpipe (especially the indoor part) should be covered evenly with the out-let pipe sheath (fittings) and be bound tightly with the constrictor to prevent condensation caused by entered air.
- To prevent water from flowing backwards into the air conditioner while the air conditioner stops, please lean the drainpipe down toward outdoor (outlet-side) at a degree of over 1/50. And please avoid any bulge or water deposit. (Refer to the following)



- Do not drag the drainpipe violently when connecting to prevent the body from being pulled.
- Meanwhile, one support-point should be set every 1~1.5m to prevent the drainpipe from yielding. Or you can tie the drainpipe with the connecting pipe to fix it.



- In the case of prolonged drainpipe, you had better tighten its indoor part with a protection tube to prevent it from loosing.
- If the outlet of the drainpipe is higher than the body's pump joint, the pipe should be arranged as vertically as possible. And the lift distance must be less than 750mm, otherwise the water will overflow when the air conditioner stops.



- The end of the drainpipe should be over 50mm higher than the ground or the bottom of the drainage chute, and do not immerse it in water. If you discharge the water directly into sewage is sure to make a U-form aqua seal by bending the pipe up to prevent the smelly gas entering the house through the drain pipe.

Cautions:

All the joints of the drain system must be sealed to prevent water leakage.

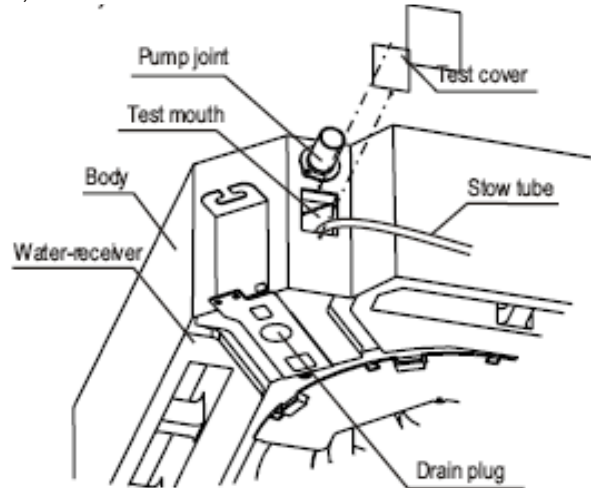
1. All field piping must be provided by a licensed water technician and must comply with the relevant local and national codes.
2. Do not let air, dust, or other impurities fall in the pipe system during the time of installation.
3. The connecting pipe should not be installed until the indoor and outdoor units have been fixed already.
4. Keep the connecting pipe dry, and do not let moisture in during installation.

Note:

All the pictures in this manual are for explanation purpose only. They may be slightly different from the air conditioner you purchased (depend on model). The actual shape shall prevail.

12.5.2 Drainage test

- Check whether the drainpipe is unhindered.
- New built house should have this test done before paving the ceiling.
 1. Remove the test cover, and stow water of about 2000ml to the water receiver through the stow tube.



2. Turn on the power, and operate the air conditioner under the "COOLING" mode. Listen to the sound of the drain pump. Check whether the water is discharged well (a lag of 1min is allowed before discharging, according to the length of the drain pipe), and check whether water leaks from the joints.

Caution: *If there is any malfunction, please resolve it immediately.*

3. Stop the air conditioner for there minutes, check if everything is ok. If the drain hose is located unreasonable, water overflow will cause the Alarm indicator lamp flashing (For both cooling and heating type or cooling only type), even the water leak out from the water receiver.
 4. Check the drain pump whether drain water immediately when alarm sound for the high water lever. If the water lever can't come down below to the limited water lever, the air conditioner will stop. Restart it until turn off the power and drain off all the water.
 5. Turn off the power, drain the water away.
- The drain plug is used to empty the water-receiver for maintenance of the air conditioner. Please stuff it imposition at all times during operation to avoid leakage.

12.6 Wiring**Caution:**

1. The air conditioner should use separate power supply with rated voltage.
2. The external power supply to the air conditioner should have ground wiring, which is linked to the ground wiring of the indoor and outdoor unit.
3. The wiring work should be done by qualified persons according to circuit drawing.
4. An all-pole disconnection switch having a contract separation of at least 3mm in a pole should be connected in fixed wiring.
5. Be sure to locate the power wiring and the signal wiring well to avoid cross-disturbance.
6. Do not turn on the power until you have checked carefully after wiring.

Note:

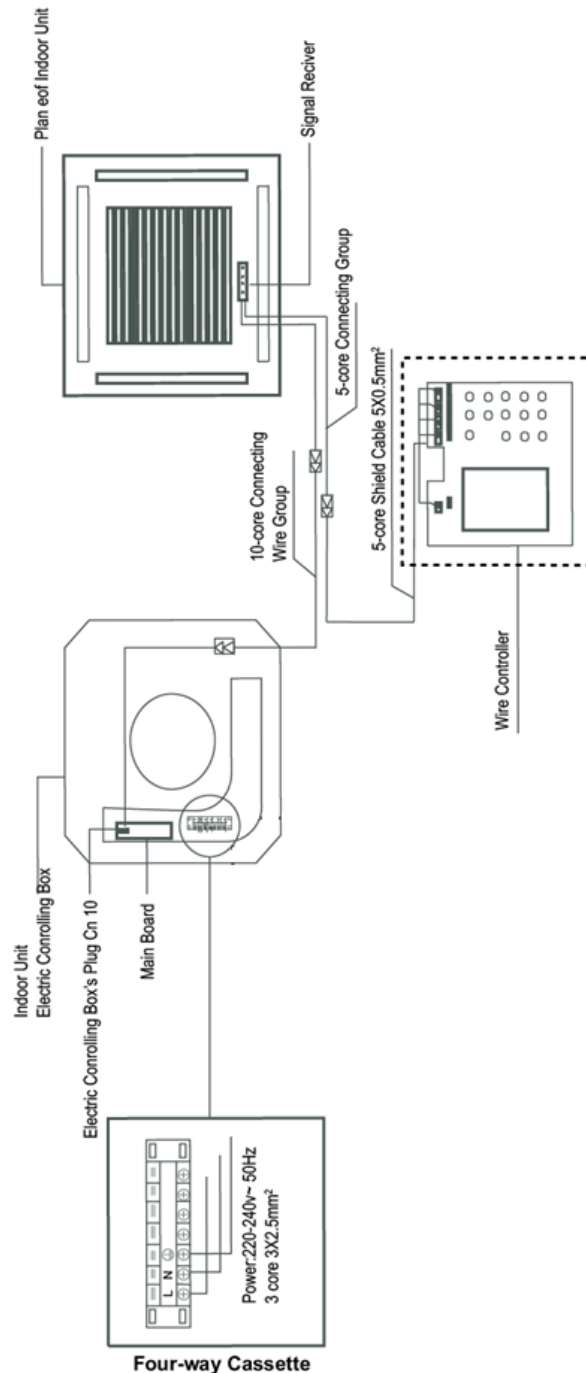
Remark per EMC Directive 89/336/EEC to prevent flicker impressions during the start of the compressor (technical process), following installation conditions do apply.

1. The power connection for the air conditioner has to be done at the main power distribution. The distribution has to be of a low impedance, normally the required impedance reaches at a 32A fusing point.
2. No other equipment has to be connected with this power line.
3. For detailed installation acceptance please refer to your power supplier, if restrictions do apply for products like washing machines, air conditioners or electrical ovens.
4. For power details of the air conditioner refer to the rating plate of the product.
5. For any question contact your local dealer.

12.6.1 Connect the cable

- Disassemble the bolts from the cover.(If there isn't a cover on the outdoor unit, disassemble the bolts from the maintenance board, and pull it in the direction of the arrow to remove the protection board.)
- Connect the connective cables to the terminals as identified with their respective matched numbers on the terminal block of indoor and outdoor units.
- Re-install the cover or the protection board.

12.6.2 Wiring figure



12.7 Troubleshooting

12.7.1 Troubles and causes of air conditioner

| Symptoms | Causes | Solution |
|---|---|---|
| Unit does not start | <ul style="list-style-type: none"> Power failure. Power switch is off. Fuse of power switch may have burned. Batteries of remote controller exhausted or other problem of controller. | <ul style="list-style-type: none"> Wait for the comeback of power. Switch on the power. Replace the fuse. Replace the batteries or check the controller. |
| Air flowing normally but completely can't cooling | <ul style="list-style-type: none"> Temperature is not setted correctly. | <ul style="list-style-type: none"> Set the temperature properly. |
| Units start or stop frequently | <ul style="list-style-type: none"> Air or no concentering gas in the watering circuit. three-way valve is malfunction. Voltage is too high or too low. System circuit is blocked. Temperature is not setted correctly. | <ul style="list-style-type: none"> Vacuum . Maintenance or change three-way valve. Install manostat. Find reasons and solution. |
| Low cooling effect | <ul style="list-style-type: none"> Indoor unit heat exchanger is dirty. The air filter is dirty. Inlet/outlet of indoor units is blocked. Doors and windows are open Sunlight directly shine. Too much heat resource. Leakage of water . | <ul style="list-style-type: none"> Clean the heat exchanger. Clean the air filter. Eliminate all dirties and make air smooth. Close doors and windows. Make curtains in order to shelter from sunshine. Reduce heat source. AC cooling capacity reduces (normal). Check leakage . |
| Low heating effect | <ul style="list-style-type: none"> Doors and windows not completely closed. Leakage of water. | <ul style="list-style-type: none"> Use heating device. Close doors and windows. Check leakage. |

12.7.2 Troubles and causes of remote controller

| Symptoms | Causes | Solution |
|--|--|---|
| The fan speed can not be changed. | <ul style="list-style-type: none"> Check whether the MODE indicated on the display is "AUTO" | When the automatic mode is selected, the air conditioner will automatically change the fan speed. |
| | <ul style="list-style-type: none"> Check whether the MODE indicated on the display is "DRY" | When dry operation is selected, the air conditioner automatically change the fan speed. The fan speed can be selected during "COOL", "FAN ONLY", and "HEAT" |
| The remote controller signal is not transmitted even when the ON/OFF button is pushed. | <ul style="list-style-type: none"> Check whether the batteries in the remote controller are exhausted. | The power supply is off. |
| The TEMP. indicator does not come on. | <ul style="list-style-type: none"> Check whether the MODE indicated on the display is FAN ONLY | The temperature cannot be set during FAN mode. |
| The indication on the display disappears after a lapse of time. | <ul style="list-style-type: none"> Check whether the timer operation has come to an end when the TIMER OFF is indicated on the display. | The air conditioner operation will stop up to the set time |
| The TIMER ON indicator goes off after a lapse of certain time. | <ul style="list-style-type: none"> Check whether the timer operation is started when the TIMER ON is indicated on the display. | Up to the set time, the air conditioner will automatically start and the appropriate indicator will go off. |
| No receiving tone sounds from the indoor unit even when the ON/OFF button is pressed. | <ul style="list-style-type: none"> Check whether the signal transmitter of the remote controller is properly directed to the infrared signal receiver of the indoor unit when the ON/OFF button is pressed. | Directly transmit the signal transmitter of the remote controller to the infrared signal receiver of the indoor unit, and then repeatedly push the ON/OFF button twice. |

12.7.3 Malfunctions and malfunction code

If anything happens like the situation described below, please shut off the power supply of the unit and contact with the customer service center immediately.

| NO. | Malfunction | alarm lamp |
|-----|---|------------|
| 1 | Room temperature sensor check channel is abnormal. | E2 |
| 2 | Evaporator sensor checking channel is abnormal.(T2C) | E3 |
| 3 | Evaporator sensor checking channel is abnormal.(T2H) | E4 |
| 4 | EEprom malfunction. | E7 |
| 5 | Fan failure. | E8 |
| 6 | Protection against freezing | P0 |
| 7 | Excess water temperature protection | P1 |
| 8 | Water-level switch malfunction. | EE |
| 9 | Not set models. | PF |
| 10 | Indoor unit switch at long-range controller is dialed to OFF. | ---- |

12.8 Test operation

(1) The test operation must be carried out after the entire installation has been completed.

(2) Please confirm the following points before the test operation.

- The indoor unit and outdoor unit are installed properly.
- Tubing and wiring are correctly completed.
- The refrigerant pipe system is leakage-checked.
- The drainage is unimpeded.
- The ground wiring is connected correctly.
- The length of the tubing and the added stow capacity of the refrigerant have been recorded.
- The power voltage fits the rated voltage of the air conditioner.
- There is no obstacle at the outlet and inlet of the outdoor and indoor units.
- The gas-side and liquid-side stop valves are both opened.
- The air conditioner is pre-heated by turning on the power.

(3) According to the user's requirement, install the remote controller when the remote controller's signal can reach the indoor unit smoothly.

(4) Test operation

Set the air conditioner under the mode of "COOLING" with the remote controller, and check the following points.

- Whether the switch on the remote controller works well.
- Whether the buttons on the remote controller works well.
- Whether the air flow louver moves normally.
- Whether the room temperature is adjusted well.
- Whether the indicator lights normally.
- Whether the temporary buttons works well.
- Whether the drainage is normal.
- Whether there is vibration or abnormal noise during operation.
- Whether the air conditioner heats well in the case of the HEATING/COOLING type.