



Technical Service Manual

Mini VRF



Model:

3 phase, 380-415V, 50Hz

MDV-V120W/DRN1

MDV-V140W/DRN1

MDV-V160W/DRN1

MDV-V180W/DRN1

Contents

001 Part 1 General Information

010 Part 2 Outdoor Units

054 Part 3 Installation

070 Part 4 Troubleshooting

Part 1 General Information

| | |
|-----------------------------|---|
| 1. Product Lineup | 2 |
| 2. Nomenclature..... | 3 |
| 3. Features..... | 4 |
| 4. Indoor Units Lineup..... | 8 |

1. Product Lineup

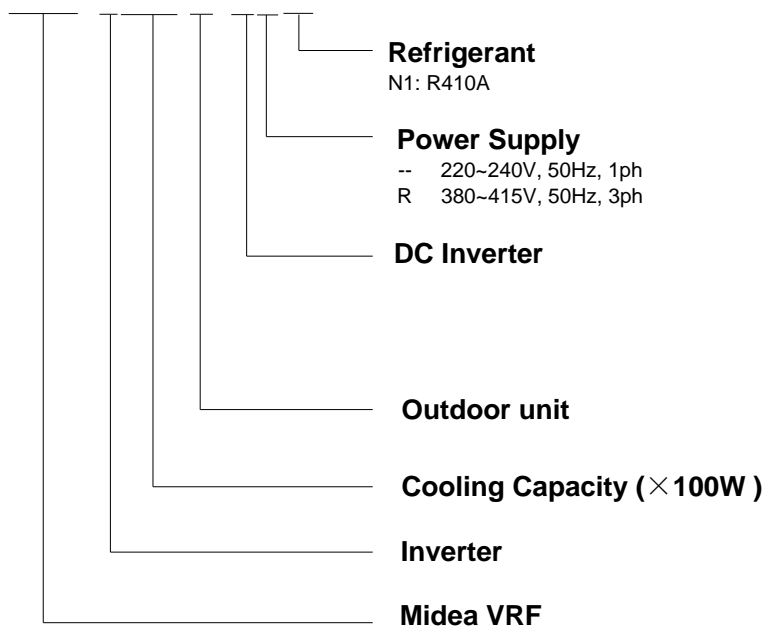
Outdoor Units



| Model name | Dimension body(mm) | Net/Gross weight (kg) | Power supply |
|----------------|---|-----------------------|--------------------|
| MDV-V120W/DRN1 | Width: 900 Height: 1327 Depth:400 | 95/103 | 380-415V-3ph~ 50Hz |
| MDV-V140W/DRN1 | Width: 900 Height: 1327 Depth:400 | 95/103 | 380-415V-3ph~ 50Hz |
| MDV-V160W/DRN1 | Width: 900 Height: 1327 Depth:400 | 102/113 | 380-415V-3ph~ 50Hz |
| MDV-V180W/DRN1 | Width: 900 Height: 1327 Depth:400 | 107/118 | 380-415V-3ph~ 50Hz |

2. Nomenclature

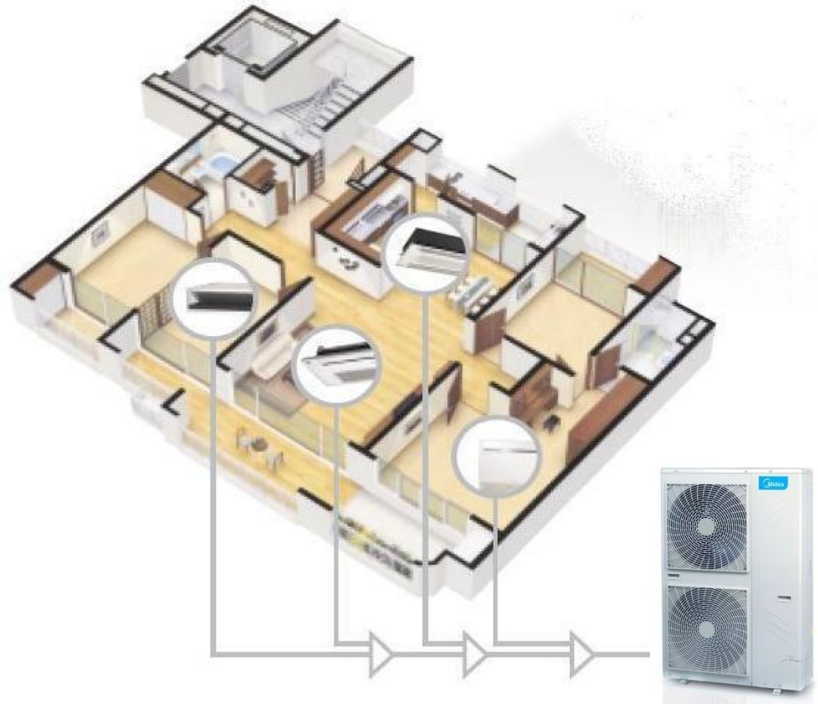
MDV-V120W/DRN1



3. Features

3.1 Wide application

The All DC Inverter Mini VRF system is a highly efficient solution for small commercial buildings requiring heating and cooling of up to 9 zones with one outdoor unit. Such as villa, restaurant, school etc.

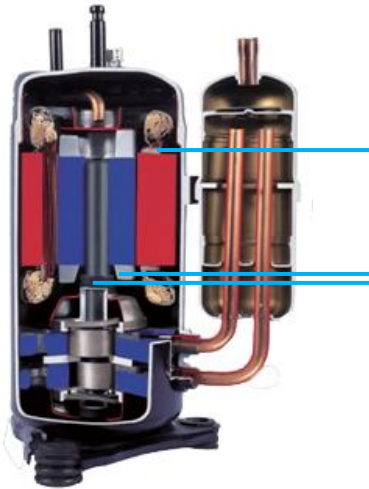


Midea offers various indoor units, more than 100 models of 15 types. Capacity ranges are from 1.5kW to 16 kW. It is all compliance with residential and light commercial place. Our systems can be operated up to 130% of capacity which allows any system to be designed to the customers' and applications' needs.



3.2 High efficient DC inverter compressor

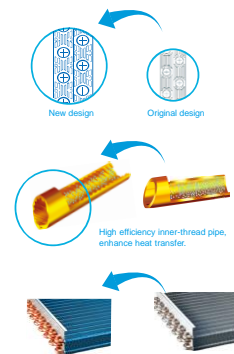
All DC inverter Mini VRF adopts highly intelligent inverter-driven compressor. This advanced technology enables the output of the outdoor unit to be modulated by the real heat load demands.. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the limiting the impact on the environment.



- Highly Efficient DC Motor:**
 - Creative motor core design
 - High density neodymium magnet
 - Concentrated type stator
 - Wider operating frequency range
- Better balance and Extremely Low Vibration:**
 - Twin eccentric cams
 - 2 balance weights
- Highly Stable Moving Parts:**
 - Optimal material matching rollers and vanes
 - Optimize compressor drive technology
 - Highly robust bearings
 - Compact structure

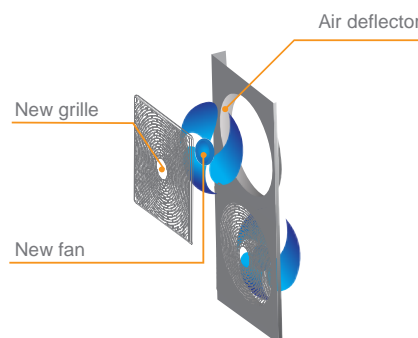
3.3 High performance heat exchanger

The new designed window fins enlarge the heat-exchanging area , which decrease the air resistance, save more power and enhance heat exchange performance. Hydrophilic film fins and inner-threaded copper pipes optimize heat exchange efficiency.



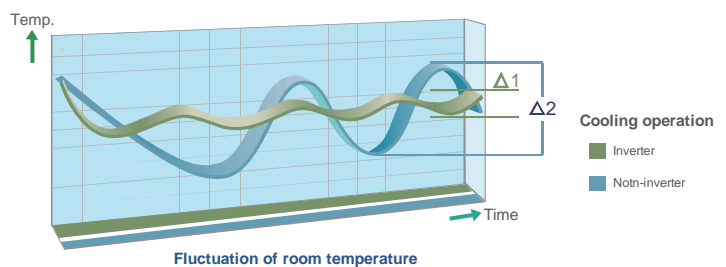
3.4 Low-operating sound design

Optimally design fan shape and new designed discharge air grille and air deflector, making higher air volume and lower operation sound.



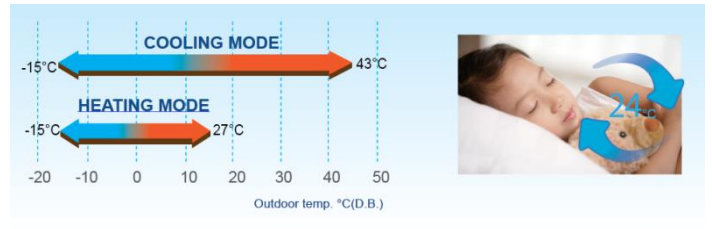
3.5 Quick warm-up & cool-down design and less temperature fluctuation

Utilizing the inverter compressor benefits, the system can reach All load quickly and shorten warm-up or cool-down time for an immediate comfortable air solution. Less temperature fluctuation will create a better living environment.

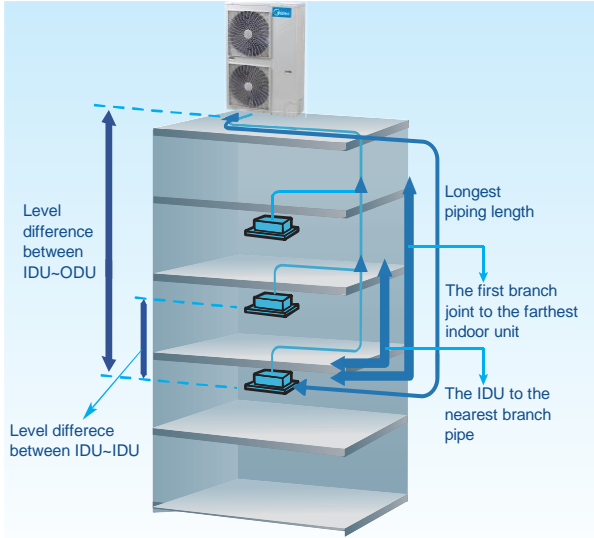


3.6 Wide operation temperature range

No matter in extremely cold winter when outdoor temperature gets as low as -15°C or in hot summer when temperature is up to 43°C, the Mini VRF system will keep stable performance.



3.7 Flexible piping design

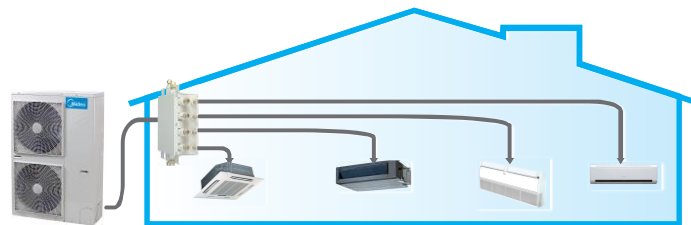


| Piping Length | | Permitted Value |
|--|------------|-----------------|
| Total piping length (Actual) | | 100m |
| Longest piping length | Actual | 60m |
| | Equivalent | 70m |
| The first branch joint to the farthest IDU | | 20m |
| The IDU to the nearest branch pipe | | 15m |
| Level difference between ODU-IDU | ODU up | 30m |
| | ODU down | 20m |
| Level difference between IDU-IDU | | 8m |

3.8 Flexible indoor unit's connection

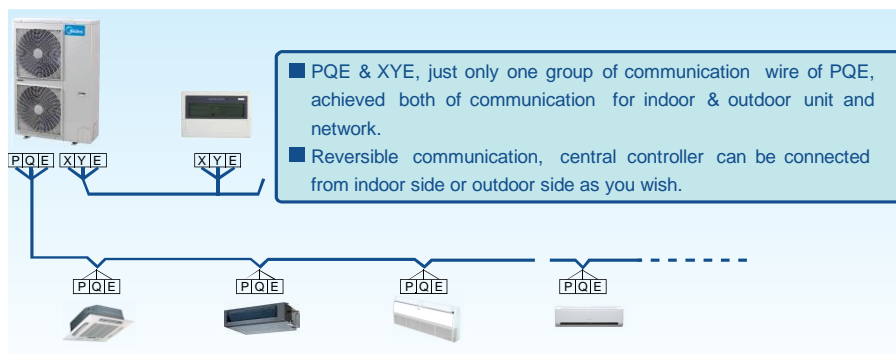
Mini VRF with intelligent control gives you independent zoning control with maximum flexibility. A single outdoor unit supports up to nine indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.

- Max. 6 indoor units for a 12kW outdoor unit installation
- Max. 6 indoor units for a 14kW outdoor unit installation
- Max. 7 indoor units for a 16kW outdoor unit installation
- Max. 9 indoor units for a 18kW outdoor unit installation



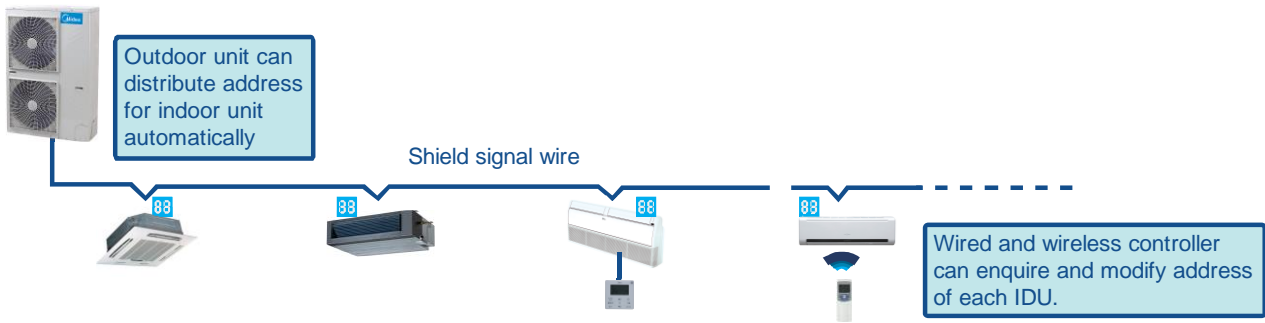
3.9 Simple signal line connection

Installation is much easier as the communication wiring between indoor & outdoor units can be shared. It's easy for the user to retrofit the existing system with a centralized control by simply connecting to outdoor units.



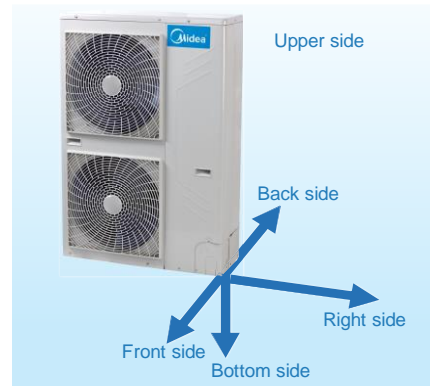
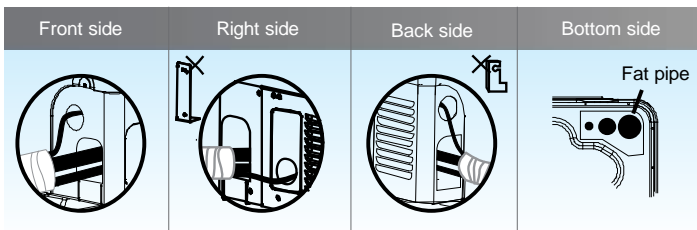
3.10 Auto address setting function

The addresses of indoor units can be set automatically by outdoor unit. Wired controller and wireless controller can enquire and modify the address of each indoor unit.



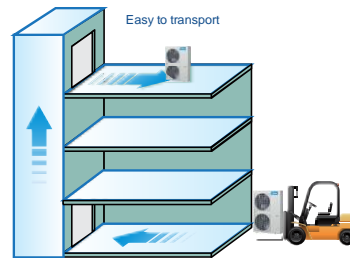
3.11 Easy piping connection

Offering four directions to connect pipes and wirings to meet various installation requests.



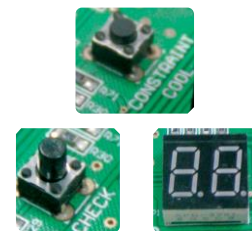
3.12 Easy installation

The Mini VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.



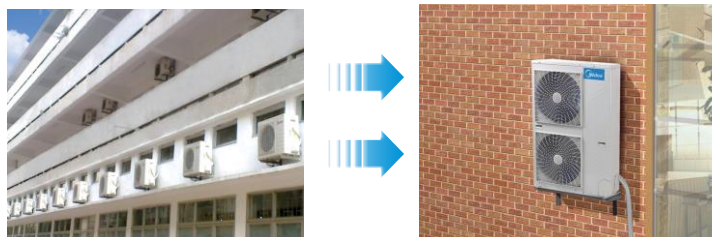
3.13 Easy maintenance

Forced cooling button makes outdoor unit run in cooling mode at any condition, so it is very easy for you to charge refrigerant to the system when it needs to be done. The self-diagnosis function detects malfunctions in major locations in the system and displays the type of malfunction and location. This allows service and maintenance to be performed more efficiently.











3.14 Space saving

The Mini VRF units are more compact, resulting in significant savings in installation space. It is particularly suitable for small offices, villas, shops, etc.



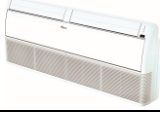






4. Indoor Units Lineup

| Capacity (×100W) | Cassette unit | | | |
|---------------------|---|---|--|---|
| | One-way cassette | Two-way cassette | Compact four-way cassette | Four-way cassette |
| |  |  |  |  |
| 15 | | | • | |
| 18 | • | | | |
| 22 | • | • | • | |
| 28 | • | • | • | • |
| 36 | • | • | • | • |
| 45 | • | • | • | • |
| 56 | • | • | | • |
| 71 | • | • | | • |
| 80 | | | | • |
| 90 | | | | • |
| 100 | | | | • |
| 112 | | | | • |
| 140 | | | | • |

| Capacity (×100W) | Duct unit | | | |
|---------------------|---|---|--|--|
| | Low static pressure duct | Medium static pressure duct | High static pressure duct | |
| |  |  |  |  |
| 15 | | • | | |
| 18 | • | | | |
| 22 | • | • | | |
| 28 | • | • | | |
| 36 | • | • | | |
| 45 | • | • | | |
| 56 | • | • | | |
| 71 | • | • | • | |
| 80 | | • | • | |
| 90 | | • | • | |
| 112 | | • | • | |
| 140 | | • | | • |
| 160 | | | | • |

Indoor units lineup

| Capacity (×100W) | Floor-standing/Ceiling & Floor/Console | | | |
|---------------------|---|---|--|---|
| | Floor standing (exposed) | Floor standing (concealed) | Ceiling & floor | console |
| |  |  |  |  |
| 22 | • | • | | • |
| 28 | • | • | | • |
| 36 | • | • | • | • |
| 45 | • | • | • | • |
| 56 | • | • | • | |
| 71 | • | • | • | |
| 80 | • | • | • | |
| 90 | | | • | |
| 112 | | | • | |
| 140 | | | • | |
| 160 | | | • | |

| Capacity (×100W) | Wall mounted | | |
|---------------------|--|--|--|
| | Wall mounted (S panel) | Wall mounted (M panel) | Wall mounted (R panel) |
| |  |  |  |
| 15 | • | | |
| 22 | • | • | |
| 28 | • | • | |
| 36 | • | • | |
| 45 | • | • | |
| 56 | • | • | |
| 71 | | • | • |
| 80 | | • | • |
| 90 | | • | • |

Note: If ODU connect only one IDU, the capacity of IDU should be not more than ODU.
 If ODU connect more than one IDU, the capacity of each IDU should be not more than 8kW for refrigerant uniform distribution.
 Due to continuous improvement, specifications are subject to change without prior notice.

Part 2 Outdoor Units

- 1. Specifications 11
- 2. Dimensions 14
- 3. Service Space 15
- 4. Piping Diagrams 16
- 5. Wiring Diagrams 17
- 6. Field Wiring 19
- 7. Capacity Tables 20
- 8. Electric Characteristics..... 52
- 9. Sound Levels 53
- 10. Operation Limits 53

1. Specifications

| Sale Model | | | MDV-V120W/DRN1 | MDV-V140W/DRN1 |
|--|-----------------------------|-------------------|-------------------|-------------------|
| Power supply | | V-Ph-Hz | 380-415V-3N~50Hz | 380-415V-3N~50Hz |
| Cooling | Capacity | kW | 12.3 | 14.0 |
| | Input | kW | 3.25 | 3.95 |
| | EER | kW/ kW | 3.78 | 3.54 |
| Heating | Capacity | kW | 13.2 | 15.4 |
| | Input | kW | 3.47 | 4.16 |
| | COP | kW/ kW | 3.80 | 3.7 |
| Compressor | Model | | TNB306FPNMC | TNB306FPNMC |
| | Type | | Rotary | Rotary |
| | Brand | | mitsubishi | mitsubishi |
| | Capacity | Btu/h | 33720 | 33720 |
| | Input | W | 3010 | 3010 |
| | Rated current(RLA) | A | 9.3 | 9.3 |
| | Crankcase | W | 27 | 27 |
| | Refrigerant oil | ml | FV50S 870+630ml | FV50S 870+630ml |
| Outdoor fan motor | Model | | WZDK100-38G | WZDK100-38G |
| | Type | | DC motor | DC motor |
| | Brand | | Panasonic | Panasonic |
| | Insulation class | | E | E |
| | Safe class | | IP23 | IP23 |
| | Input | W | 2 x 100 | 2 x 100 |
| | Output | W | 2 x 85 | 2 x 85 |
| | Rated current | A | 2 x 0.9 | 2 x 0.9 |
| | Capacitor | uF | / | / |
| | Speed | r/min | 800 | 800 |
| Outdoor fan | Material | | ASG20 | ASG20 |
| | Type | | Axial fan | Axial fan |
| | Diameter | mm | 508 | 508 |
| | Height | mm | 170 | 170 |
| Outdoor coil | Number of rows | | 2 | 2 |
| | Tube pitch(a)x row pitch(b) | mm | 22 x 19.05 | 22 x 19.05 |
| | Fin spacing | mm | 1.6 | 1.6 |
| | Tube outside dia.and type | mm | Φ7.94 | Φ7.94 |
| | | | Inner groove tube | Inner groove tube |
| | Coil length x height | mm | 1276 x 870 | 1276 x 870 |
| Number of circuits | | 7 | 7 | |
| Outdoor air flow | | m ³ /h | 6000 | 6000 |
| Outdoor sound level(sound pressure level) | | dB(A) | 57 | 57 |
| Outdoor Unit | Dimension(W x H x D) | mm | 900 x 1327 x 400 | 900 x 1327 x 400 |
| | Packing (W x H x D) | mm | 1030 x 1456 x 435 | 1030 x 1456 x 435 |
| | Net/Gross weight | kg | 95/106 | 95/106 |
| Refrigerant | Type | | R410A | R410A |
| | Charged volume | g | 3300 | 3900 |

| | | | | |
|--------------------|------------------------------|-----------------|--------------------------------------|--------------------------------------|
| Throttle type | | | Electronic expansion valve | |
| Design pressure | | MPa | 4.4/2.6 | |
| Refrigerant piping | Liquid side/ Gas side | mm | Φ9.53/Φ15.9 | Φ9.53/Φ15.9 |
| | Max. refrigerant pipe length | m | 100 | 100 |
| | Max. difference in level | m | 8 | 8 |
| Connection wiring | Power wiring | mm ² | 5 core x2.5 | 5 core x2.5 |
| | Signal wiring | mm ² | 3 core shielded wire x 0.75 | 3 core shielded wire x 0.75 |
| Ambient temp | | °C | (Cooling -15~43) (Heating -15~27) | (Cooling -15~43) (Heating -15~27) |

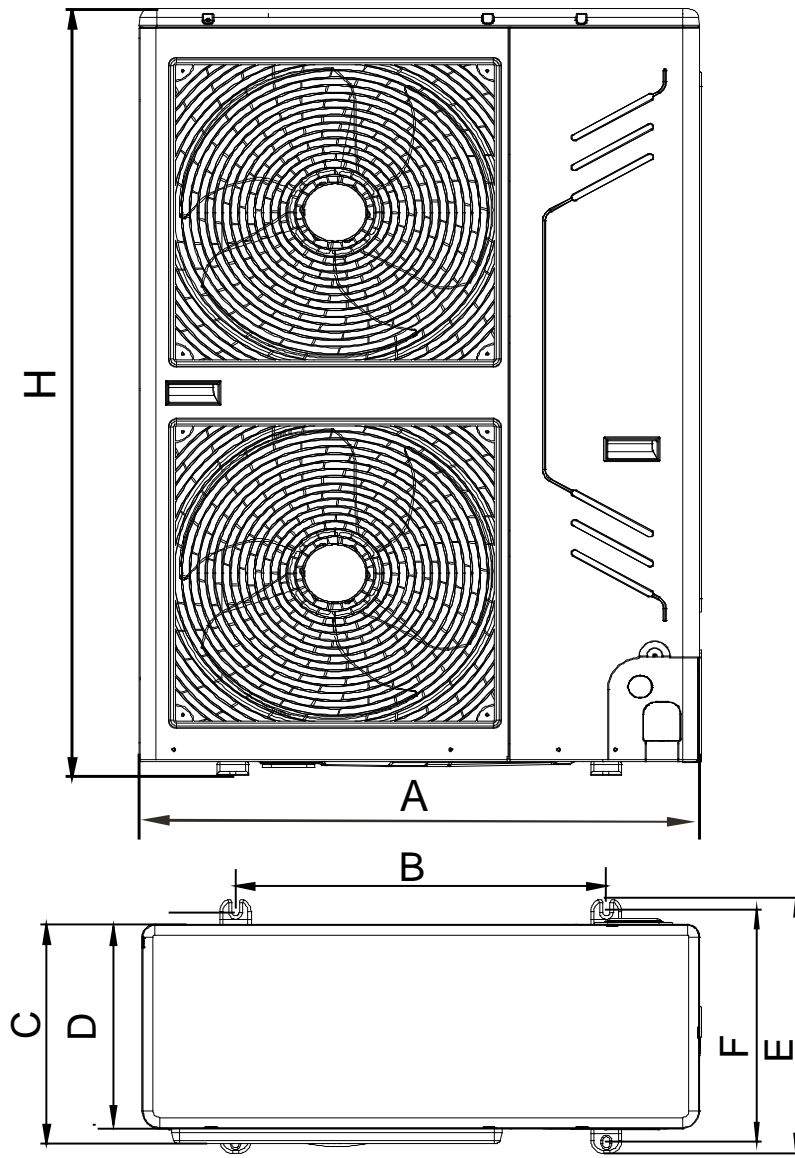
| Sale Model | | | MDV-V160W/DRN1 | MDV-V180W/DRN1 |
|-------------------|-----------------------------|---------|-------------------|-------------------|
| Power supply | | V-Ph-Hz | 380-415V-3N~50Hz | 380-415V-3N~50Hz |
| Cooling | Capacity | kW | 15.5 | 17.5 |
| | Input | kW | 4.52 | 5.3 |
| | EER | kW/ kW | 3.43 | 3.3 |
| Heating | Capacity | kW | 17.0 | 19.0 |
| | Input | kW | 4.77 | 5.0 |
| | COP | kW/ kW | 3.56 | 3.8 |
| Compressor | Model | | LNB42FSAMC | LNB42FSAMC |
| | Type | | Rotary | Rotary |
| | Brand | | MITSUBISHI | MITSUBISHI |
| | Capacity | Btu/h | 47700 | 47700 |
| | Input | W | 4240 | 4270 |
| | Rated current(RLA) | A | 12 | 12 |
| | Crankcase | W | 25 | 25 |
| | Refrigerant oil | ml | FV50S 1400ml | FV50S 1400ml |
| Outdoor fan motor | Model | | WZDK100-38G | WZDK100-38G |
| | Type | | DC motor | DC motor |
| | Brand | | Panasonic | Panasonic |
| | Insulation class | | E | E |
| | Safe class | | IP23 | IP23 |
| | Input | W | 2 x 100 | 2 x 100 |
| | Output | W | 2 x 85 | 2 x 85 |
| | Rated current | A | 2 x 0.9 | 2 x 0.9 |
| | Capacitor | uF | / | / |
| | Speed | r/min | 800 | 800 |
| Outdoor fan | Material | | ASG20 | ASG20 |
| Outdoor fan | Type | | Axial fan | Axial fan |
| | Diameter | mm | 508 | 508 |
| | Height | mm | 170 | 170 |
| Outdoor coil | Number of rows | | 2 | 2.5 |
| | Tube pitch(a)x row pitch(b) | mm | 22 x 19.05 | 22 x 19.05 |
| | Fin spacing | mm | 1.6 | 1.6 |
| | Tube outside dia.and type | mm | Φ7.94 | Φ7.94 |
| | | | Inner groove tube | Inner groove tube |

| | | | | |
|--|------------------------------|-------------------|--------------------------------------|--------------------------------------|
| | Coil length x height | mm | 1276 x 870 | 1276 x 870 |
| | Number of circuits | | 7 | 12 |
| Outdoor air flow | | m ³ /h | 6000 | 6800 |
| Outdoor sound level(sound pressure level) | | dB(A) | 57 | 59 |
| Outdoor unit | Dimension (W x H x D) | mm | 900 x 1327 x 400 | 900 x 1327 x 400 |
| | Packing (W x H x D) | mm | 1030 x 1456 x 435 | 1030 x 1456 x 435 |
| | Net/Gross weight | kg | 102/113 | 107/118 |
| Refrigerant | Type | | R410A | R410A |
| | Charged volume | g | 3900 | 4500 |
| Throttle type | | | Electronic expansion valve | |
| Design pressure | | MPa | 4.4/2.6 | 4.4/2.6 |
| Refrigerant piping | Liquid side/ Gas side | mm | Φ9.53/Φ19.1 | Φ9.53/Φ19.1 |
| | Max. refrigerant pipe length | m | 100 | 100 |
| | Max. difference in level | m | 8 | 8 |
| Connection wiring | Power wiring | mm ² | 5 core x2.5 | 5 core x2.5 |
| | Signal wiring | mm ² | 3 core shielded wire x 0.75 | 3 core shielded wire x 0.75 |
| Ambient temp | | °C | (Cooling -15~43) (Heating -15~27) | (Cooling -15~43) (Heating -15~27) |

Notes:

1. The cooling conditions: indoor temp.: 27°CDB (80.6°F), 19°CWB (66.2°F) outdoor temp.: 35°CDB (95°F), 24°CWB (75.2°F) equivalent pipe length: 5m drop length: 0m.
2. The heating conditions: indoor temp.: 20°CDB (68°F), 15°CWB (59°F) outdoor temp.: 7°CDB (44.6°F), 6°CWB (42.8°F) equivalent pipe length: 5m drop length: 0m.
3. Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of *m(1.2m for 120~180 model). During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. The aboved datas may be changed without notice for future improvement on quality and performance.

2. Dimensions

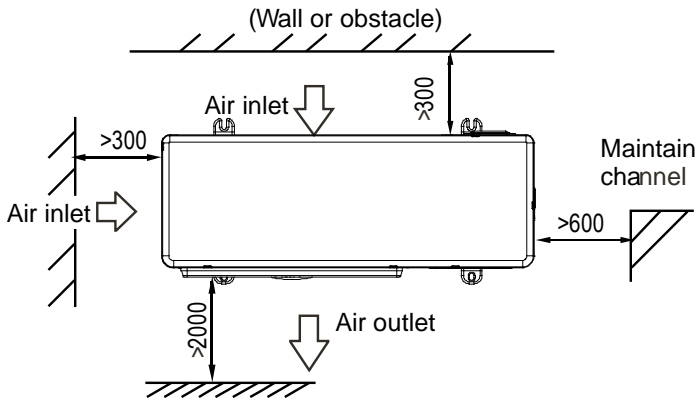


(unit: mm)

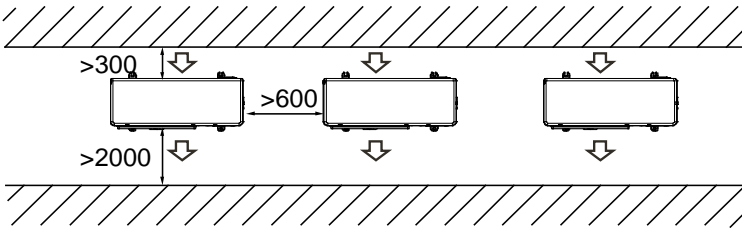
| MODEL (kW) | A | B | C | D | E | F | G | H |
|-----------------|-----|-----|-----|-----|-----|-----|----|------|
| 12/14/ 16/18 | 900 | 600 | 348 | 320 | 400 | 360 | -- | 1327 |

3. Service Space

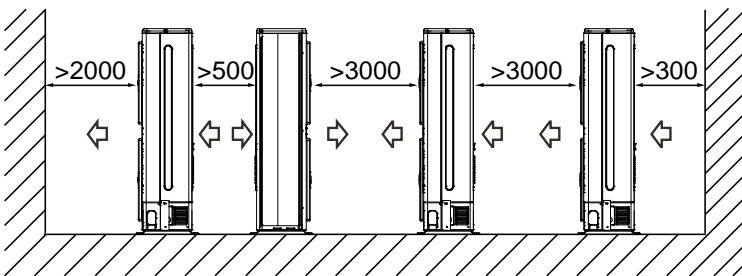
- Single unit installation



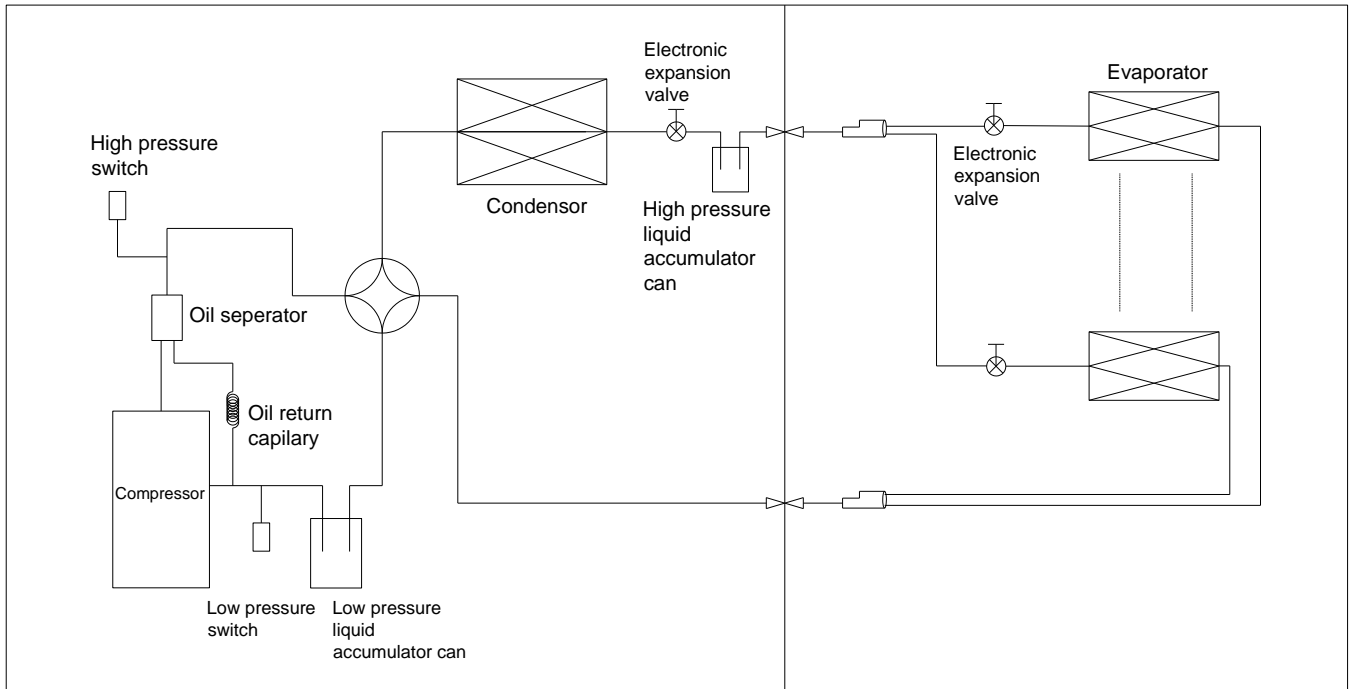
- Parallel connect the two units or above



- Parallel connect the front with rear sides



4. Piping Diagrams



Oil separator: used to separate oil from high pressure & temperature gas refrigerant, which is pumped out from compressor. It makes the oil return back to each compressor very soon.

Low pressure liquid receiver & High pressure liquid receiver: It is used to store the liquid refrigerant and oil; it can protect the compressor from liquid hammer.

4-way valve: Closed in cooling mode and open in heating mode

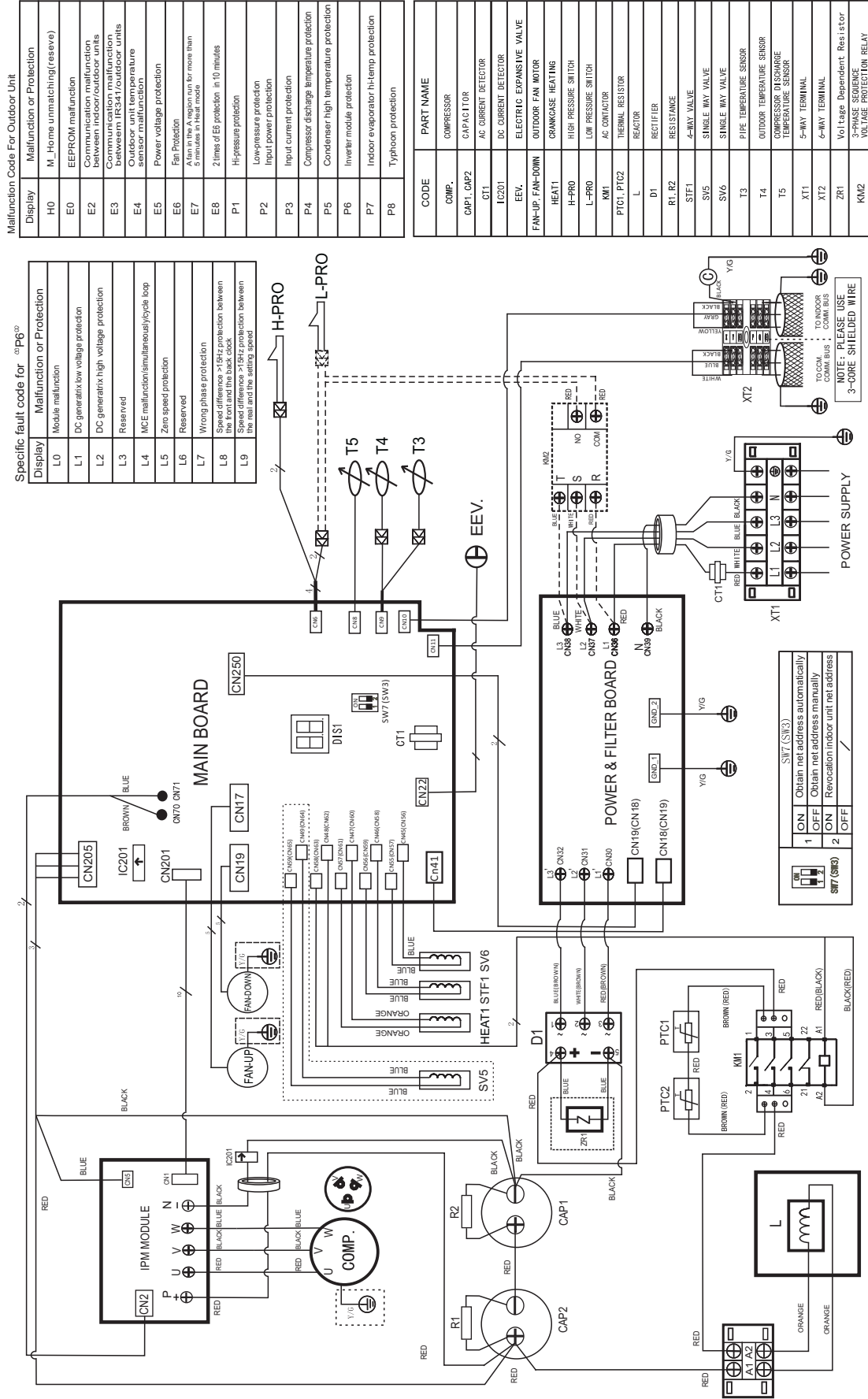
Electronic expansion valve: The opening of the valve is regulated according to the discharge air temperature of compressor, used to regulating refrigerant flow.

High Pressure Switch: When the discharge pressure of compressor is 4.2MPa or higher, the protection switch will be triggered, and if the discharge pressure is down to 3.3MPa, the protection switch will be recovered.

Low Pressure Switch: When the gas pressure back to compressor is 0.14MPa or lower, the protection switch will be triggered, and if the discharge pressure is down to 0.3MPa, the protection switch will be recovered.

5. Wiring Diagrams

12-16kW



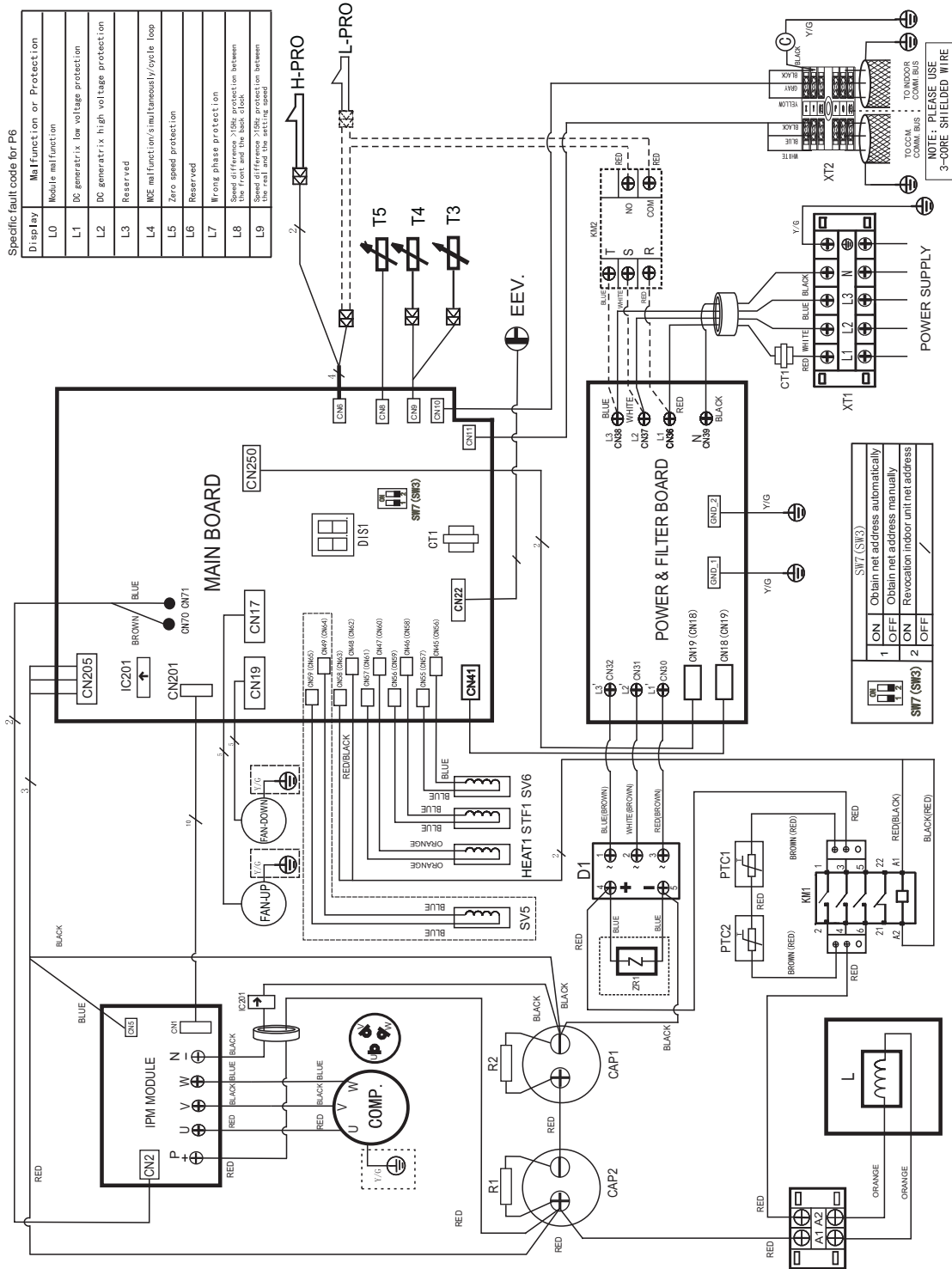
18kW

Malfunction Code For Outdoor Unit

| Display | Malfunction or Protection |
|---------|--|
| E2 | Communication malfunction indoor/outdoor units |
| E4 | T3&T4 temperature sensor malfunction |
| E5 | Power voltage protection |
| E6 | Fan Protection |
| E7 | Compressor discharge sensor malfunction |
| E9 | EEPROM malfunction |
| EA | Compressor run for more than 5 minutes in the fault mode |
| Eb | 2 times of E6 protection in 10 minutes |
| H0 | Compressor malfunctions between 10 minutes and 1 hour |
| P1 | High-pressure protection |
| P2 | Low-pressure protection |
| P3 | Input current protection |
| P4 | Compressor discharge temperature protection |
| P5 | Condenser high temperature protection |
| P6 | Inverter module protection |
| P8 | Typhoon protection |
| PE | Indoor evaporator hi-temp protection |

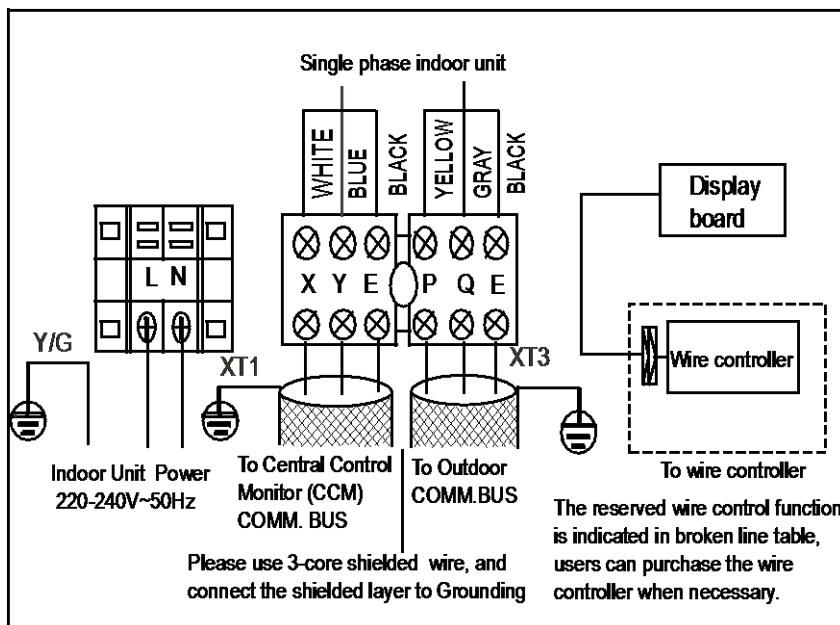
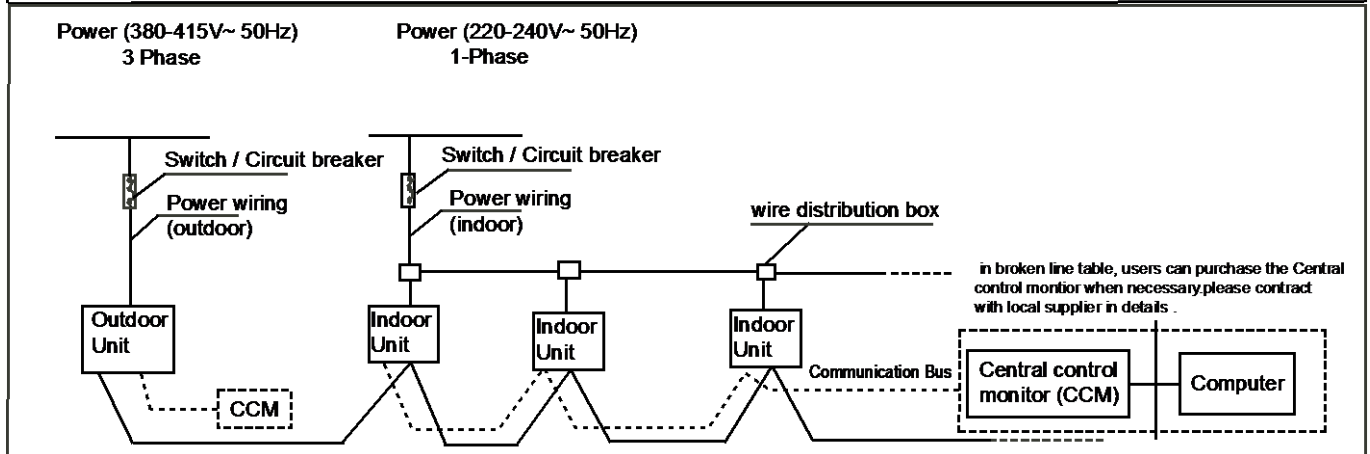
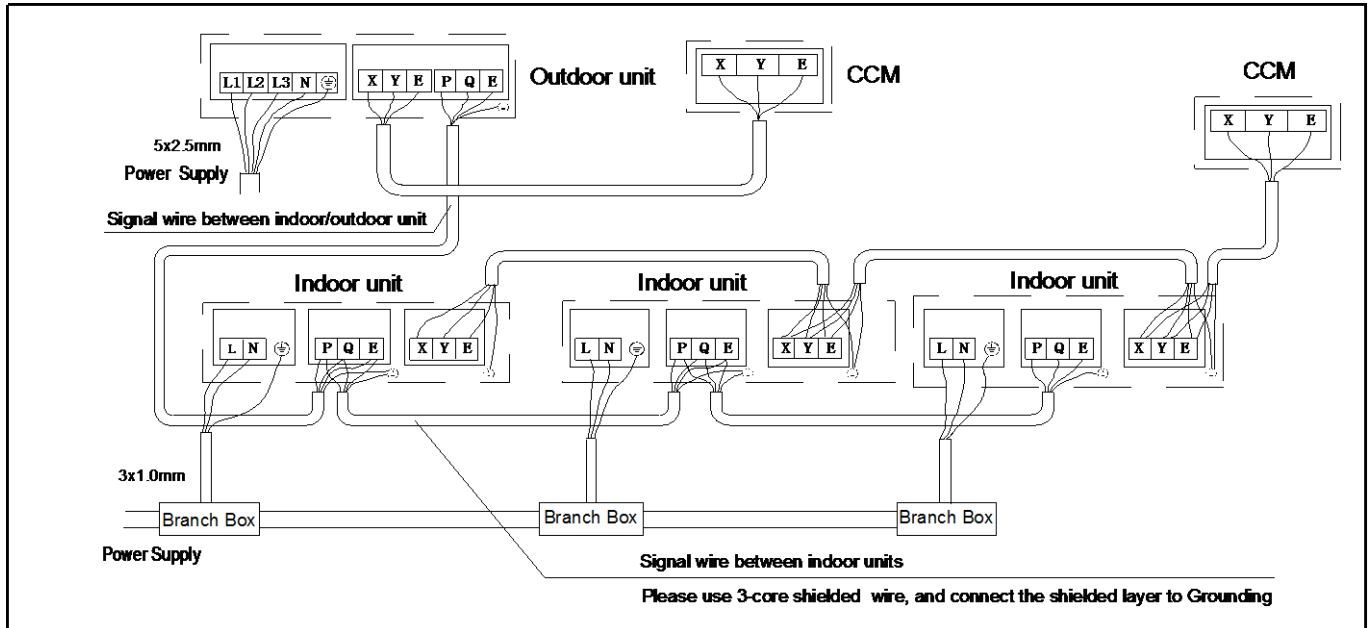
Specific fault code for P6

| Display | Malfunction or Protection |
|---------|--|
| L0 | Module malfunction |
| L1 | DC generator low voltage protection |
| L2 | DC generator high voltage protection |
| L3 | Reserved |
| L4 | MCE malfunction/simultaneously/cycle loop |
| L5 | Zero speed protection |
| L6 | Reserved |
| L7 | Wrong phase protection |
| L8 | Speed difference >5% protection between the real and the setting speed |
| L9 | Speed difference >5% protection between the real and the setting speed |



| CODE | PART NAME |
|------------------|---|
| COMP. | COMPRESSOR |
| CAP1, CAP2 | CAPACITOR |
| CT1 | AC CURRENT DETECTOR |
| IC201 | DC CURRENT DETECTOR |
| EEV. | ELECTRIC EXPANSIVE VALVE |
| FAN-UP, FAN-DOWN | OUTDOOR FAN MOTOR |
| HEAT1 | CRANKCASE HEATING |
| H-PRO | HIGH PRESSURE SWITCH |
| L-PRO | LOW PRESSURE SWITCH |
| KM1 | AC CONTACTOR |
| PTC1, PTC2 | THERMAL RESISTOR |
| L | REACTOR |
| D1 | RECTIFIER |
| R1, R2 | RESISTANCE |
| STF1 | 4-WAY VALVE |
| SV5 | SINGLE WAY VALVE |
| SV6 | SINGLE WAY VALVE |
| T3 | PIPE TEMPERATURE SENSOR |
| T4 | OUTDOOR TEMPERATURE SENSOR |
| T5 | COMPRESSOR DISCHARGE TEMPERATURE SENSOR |
| XT1 | 5-WAY TERMINAL |
| XT2 | 6-WAY TERMINAL |
| ZR1 | Voltage Dependent Resistor |
| KM2 | 3-PHASE SEQUENCE VOLTAGE PROTECTION RELAY |

6. Field Wiring



7. Capacity Tables

MDV-V120W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -5 | 10.81 | 1.33 | 12.87 | 1.62 | 14.93 | 1.74 | 15.51 | 1.81 | 16.25 | 1.86 | 16.65 | 2.02 | 17.07 | 2.04 |
| | -2 | 10.81 | 1.33 | 12.87 | 1.65 | 14.93 | 1.74 | 15.51 | 1.82 | 16.25 | 1.86 | 16.65 | 2.05 | 17.07 | 2.06 |
| | 0 | 10.81 | 1.35 | 12.87 | 1.68 | 14.93 | 1.8 | 15.51 | 1.92 | 16.25 | 1.97 | 16.65 | 2.07 | 17.07 | 2.08 |
| | 2 | 10.81 | 1.38 | 12.87 | 1.69 | 14.93 | 1.86 | 15.51 | 2.03 | 16.25 | 1.99 | 16.65 | 2.09 | 17.07 | 2.11 |
| | 4 | 10.81 | 1.41 | 12.87 | 1.72 | 14.93 | 1.93 | 15.51 | 2.04 | 16.25 | 2.02 | 16.65 | 2.09 | 17.07 | 2.15 |
| | 6 | 10.81 | 1.43 | 12.87 | 1.75 | 14.93 | 2 | 15.51 | 2.05 | 16.07 | 2.08 | 16.44 | 2.09 | 16.88 | 2.17 |
| | 8 | 10.81 | 1.47 | 12.87 | 1.79 | 14.93 | 2.1 | 15.51 | 2.15 | 15.87 | 2.15 | 16.27 | 3.9 | 16.66 | 2.19 |
| | 10 | 10.81 | 1.5 | 12.87 | 1.83 | 14.93 | 2.18 | 15.51 | 2.23 | 15.68 | 4.04 | 16.08 | 4.06 | 16.47 | 2.25 |
| | 12 | 10.81 | 1.52 | 12.87 | 1.87 | 14.93 | 2.22 | 15.29 | 4.03 | 15.51 | 4.06 | 15.86 | 4.07 | 16.25 | 2.27 |
| | 14 | 10.81 | 1.56 | 12.87 | 1.9 | 14.89 | 4.05 | 15.11 | 4.06 | 15.29 | 4.08 | 15.68 | 4.09 | 16.08 | 2.32 |
| | 16 | 10.81 | 1.58 | 12.87 | 1.94 | 14.72 | 4.06 | 14.89 | 4.08 | 15.07 | 4.1 | 15.46 | 4.12 | 15.86 | 2.36 |
| | 18 | 10.81 | 1.61 | 12.87 | 1.98 | 14.5 | 2.32 | 14.67 | 2.33 | 14.89 | 2.35 | 15.29 | 2.37 | 15.68 | 2.39 |
| | 20 | 10.81 | 1.65 | 12.87 | 2.11 | 14.28 | 2.44 | 14.5 | 2.45 | 14.67 | 2.46 | 15.07 | 2.48 | 15.46 | 2.51 |
| | 21 | 10.81 | 1.69 | 12.87 | 2.18 | 14.19 | 2.49 | 14.41 | 2.51 | 14.58 | 2.52 | 14.98 | 2.55 | 15.37 | 2.57 |
| | 23 | 10.81 | 1.81 | 12.87 | 2.34 | 14.01 | 2.61 | 14.19 | 2.62 | 14.36 | 2.63 | 14.76 | 2.66 | 15.15 | 2.69 |
| | 25 | 10.81 | 1.94 | 12.87 | 2.51 | 13.79 | 2.72 | 13.97 | 2.73 | 14.19 | 2.75 | 14.58 | 2.78 | 14.98 | 2.8 |
| | 27 | 10.81 | 2.07 | 12.87 | 2.68 | 13.62 | 2.83 | 13.79 | 2.85 | 13.97 | 2.86 | 14.36 | 2.9 | 14.76 | 2.93 |
| | 29 | 10.81 | 2.21 | 12.87 | 2.86 | 13.4 | 2.95 | 13.57 | 2.97 | 13.79 | 2.98 | 14.19 | 3.01 | 14.58 | 3.04 |
| | 31 | 10.81 | 2.36 | 12.83 | 3.03 | 13.18 | 3.07 | 13.4 | 3.08 | 13.57 | 3.1 | 13.97 | 3.13 | 14.36 | 3.17 |
| | 33 | 10.81 | 2.51 | 12.61 | 3.15 | 13 | 3.18 | 13.18 | 3.2 | 13.4 | 3.22 | 13.79 | 3.25 | 14.14 | 3.29 |
| 35 | 10.81 | 2.68 | 12.39 | 3.26 | 12.78 | 3.3 | 13 | 3.32 | 13.18 | 3.33 | 13.57 | 3.37 | 13.97 | 3.41 | |
| 37 | 10.81 | 2.85 | 12.21 | 3.38 | 12.61 | 3.42 | 12.78 | 3.43 | 13 | 3.46 | 13.35 | 3.5 | 13.75 | 3.54 | |
| 39 | 10.81 | 3.03 | 11.99 | 3.41 | 12.39 | 3.53 | 12.61 | 3.55 | 12.78 | 3.57 | 13.18 | 3.61 | 13.57 | 3.66 | |
| 41 | 10.81 | 3.19 | 11.87 | 3.45 | 12.26 | 3.56 | 12.48 | 3.59 | 12.65 | 3.61 | 13.05 | 3.62 | 13.05 | 3.69 | |
| 43 | 10.81 | 3.27 | 11.78 | 3.46 | 12.19 | 3.57 | 12.41 | 3.6 | 12.52 | 3.61 | 12.81 | 3.63 | 12.9 | 3.7 | |
| 120% | -5 | 9.97 | 1.28 | 11.86 | 1.55 | 13.79 | 1.84 | 14.76 | 2 | 15.46 | 2.09 | 15.81 | 2.16 | 16.17 | 2.21 |
| | -2 | 9.97 | 1.3 | 11.86 | 1.57 | 13.79 | 1.86 | 14.76 | 2.02 | 15.46 | 2.11 | 15.81 | 2.17 | 16.17 | 2.22 |
| | 0 | 9.97 | 1.31 | 11.86 | 1.58 | 13.79 | 1.88 | 14.76 | 2.02 | 15.46 | 2.13 | 15.81 | 2.19 | 16.17 | 2.23 |
| | 2 | 9.97 | 1.31 | 11.86 | 1.6 | 13.79 | 1.89 | 14.76 | 2.04 | 15.46 | 2.14 | 15.81 | 2.2 | 16.17 | 2.23 |
| | 4 | 9.97 | 1.32 | 11.86 | 1.62 | 13.79 | 1.92 | 14.76 | 2.06 | 15.46 | 2.17 | 15.81 | 2.21 | 16.17 | 2.24 |
| | 6 | 9.97 | 1.34 | 11.86 | 1.63 | 13.79 | 1.94 | 14.76 | 2.08 | 15.46 | 2.19 | 15.81 | 2.23 | 16.17 | 2.24 |
| | 8 | 9.97 | 1.35 | 11.86 | 1.65 | 13.79 | 1.97 | 14.76 | 2.11 | 15.46 | 2.22 | 15.81 | 2.23 | 16.17 | 2.25 |
| | 10 | 9.97 | 1.37 | 11.86 | 1.67 | 13.79 | 1.98 | 14.76 | 2.15 | 15.46 | 2.22 | 15.81 | 2.24 | 16.17 | 2.26 |
| | 12 | 9.97 | 1.39 | 11.86 | 1.7 | 13.79 | 2.02 | 14.76 | 2.19 | 15.24 | 2.23 | 15.59 | 2.23 | 15.95 | 2.28 |
| | 14 | 9.97 | 1.42 | 11.86 | 1.73 | 13.79 | 2.06 | 14.76 | 2.23 | 15.02 | 2.24 | 15.42 | 2.26 | 15.77 | 2.31 |
| | 16 | 9.97 | 1.45 | 11.86 | 1.77 | 13.79 | 2.1 | 14.67 | 4.1 | 14.85 | 2.27 | 15.2 | 2.3 | 15.55 | 2.34 |
| | 18 | 9.97 | 1.47 | 11.86 | 1.8 | 13.79 | 2.17 | 14.45 | 2.32 | 14.63 | 2.33 | 14.98 | 2.35 | 15.37 | 2.37 |
| | 20 | 9.97 | 1.5 | 11.86 | 1.87 | 13.79 | 2.34 | 14.28 | 2.44 | 14.45 | 2.44 | 14.8 | 2.47 | 15.16 | 2.49 |
| | 21 | 9.97 | 1.52 | 11.86 | 1.94 | 13.79 | 2.42 | 14.14 | 2.49 | 14.32 | 2.5 | 14.72 | 2.52 | 15.07 | 2.55 |
| | 23 | 9.97 | 1.62 | 11.86 | 2.08 | 13.79 | 2.59 | 13.97 | 2.6 | 14.14 | 2.62 | 14.5 | 2.64 | 14.85 | 2.66 |
| | 25 | 9.97 | 1.73 | 11.86 | 2.23 | 13.57 | 2.71 | 13.75 | 2.72 | 13.93 | 2.73 | 14.32 | 2.75 | 14.67 | 2.78 |
| | 27 | 9.97 | 1.85 | 11.86 | 2.38 | 13.4 | 2.82 | 13.57 | 2.83 | 13.75 | 2.85 | 14.1 | 2.87 | 14.45 | 2.9 |
| | 29 | 9.97 | 1.97 | 11.86 | 2.54 | 13.18 | 2.93 | 13.35 | 2.95 | 13.53 | 2.96 | 13.88 | 2.99 | 14.28 | 3.02 |
| | 31 | 9.97 | 2.1 | 11.86 | 2.71 | 12.96 | 3.05 | 13.18 | 3.06 | 13.35 | 3.08 | 13.71 | 3.11 | 14.06 | 3.14 |
| | 33 | 9.97 | 2.24 | 11.86 | 2.89 | 12.78 | 3.16 | 12.96 | 3.18 | 13.13 | 3.19 | 13.49 | 3.23 | 13.84 | 3.26 |
| 35 | 9.97 | 2.38 | 11.86 | 3.08 | 12.56 | 3.28 | 12.74 | 3.29 | 12.96 | 3.31 | 13.31 | 3.35 | 13.66 | 3.38 | |
| 37 | 9.97 | 2.54 | 11.86 | 3.28 | 12.39 | 3.39 | 12.56 | 3.41 | 12.74 | 3.43 | 13.09 | 3.46 | 13.44 | 3.5 | |
| 39 | 9.97 | 2.7 | 11.82 | 3.47 | 12.17 | 3.51 | 12.34 | 3.53 | 12.52 | 3.55 | 12.91 | 3.59 | 13.27 | 3.62 | |
| 41 | 9.97 | 2.77 | 11.72 | 3.49 | 12.07 | 3.53 | 12.25 | 3.56 | 12.42 | 3.57 | 12.82 | 3.6 | 12.88 | 3.65 | |
| 43 | 9.97 | 2.81 | 11.66 | 3.52 | 11.98 | 3.55 | 12.15 | 3.57 | 12.33 | 3.59 | 12.6 | 3.61 | 12.68 | 3.72 | |

MDV-V120W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 110% | -5 | 9.14 | 1.12 | 10.9 | 1.39 | 12.65 | 1.66 | 13.53 | 1.79 | 14.41 | 1.92 | 15.51 | 2 | 15.86 | 2.06 |
| | -2 | 9.14 | 1.14 | 10.9 | 1.41 | 12.65 | 1.68 | 13.53 | 1.8 | 14.41 | 1.94 | 15.51 | 2.02 | 15.86 | 2.07 |
| | 0 | 9.14 | 1.15 | 10.9 | 1.42 | 12.65 | 1.69 | 13.53 | 1.82 | 14.41 | 1.96 | 15.51 | 2.04 | 15.86 | 2.09 |
| | 2 | 9.14 | 1.18 | 10.9 | 1.43 | 12.65 | 1.72 | 13.53 | 1.84 | 14.41 | 1.98 | 15.51 | 2.07 | 15.86 | 2.12 |
| | 4 | 9.14 | 1.2 | 10.9 | 1.45 | 12.65 | 1.73 | 13.53 | 1.86 | 14.41 | 2.01 | 15.51 | 2.09 | 15.86 | 2.14 |
| | 6 | 9.14 | 1.21 | 10.9 | 1.47 | 12.65 | 1.75 | 13.53 | 1.89 | 14.41 | 2.03 | 15.51 | 2.12 | 15.86 | 2.17 |
| | 8 | 9.14 | 1.23 | 10.9 | 1.49 | 12.65 | 1.77 | 13.53 | 1.91 | 14.41 | 2.06 | 15.51 | 2.13 | 15.86 | 2.2 |
| | 10 | 9.14 | 1.24 | 10.9 | 1.51 | 12.65 | 1.8 | 13.53 | 1.94 | 14.41 | 2.09 | 15.51 | 2.15 | 15.86 | 2.21 |
| | 12 | 9.14 | 1.27 | 10.9 | 1.54 | 12.65 | 1.83 | 13.53 | 1.98 | 14.41 | 2.13 | 15.33 | 2.18 | 15.64 | 2.24 |
| | 14 | 9.14 | 1.29 | 10.9 | 1.57 | 12.65 | 1.87 | 13.53 | 2.01 | 14.41 | 2.17 | 15.11 | 2.19 | 15.46 | 2.26 |
| | 16 | 9.14 | 1.31 | 10.9 | 1.6 | 12.65 | 1.9 | 13.53 | 2.05 | 14.41 | 2.21 | 14.94 | 2.22 | 15.24 | 2.28 |
| | 18 | 9.14 | 1.34 | 10.9 | 1.63 | 12.65 | 1.94 | 13.53 | 2.11 | 14.41 | 2.32 | 14.72 | 2.33 | 15.07 | 2.36 |
| | 20 | 9.14 | 1.36 | 10.9 | 1.66 | 12.65 | 2.05 | 13.53 | 2.27 | 14.19 | 2.43 | 14.54 | 2.45 | 14.85 | 2.47 |
| | 21 | 9.14 | 1.38 | 10.9 | 1.71 | 12.65 | 2.13 | 13.53 | 2.35 | 14.1 | 2.49 | 14.41 | 2.51 | 14.76 | 2.53 |
| | 23 | 9.14 | 1.44 | 10.9 | 1.84 | 12.65 | 2.28 | 13.53 | 2.52 | 13.88 | 2.6 | 14.23 | 2.62 | 14.54 | 2.65 |
| | 25 | 9.14 | 1.54 | 10.9 | 1.96 | 12.65 | 2.44 | 13.53 | 2.7 | 13.71 | 2.71 | 14.01 | 2.74 | 14.36 | 2.76 |
| | 27 | 9.14 | 1.64 | 10.9 | 2.1 | 12.65 | 2.61 | 13.31 | 2.82 | 13.49 | 2.83 | 13.84 | 2.85 | 14.15 | 2.88 |
| | 29 | 9.14 | 1.75 | 10.9 | 2.24 | 12.65 | 2.79 | 13.13 | 2.93 | 13.31 | 2.94 | 13.62 | 2.97 | 13.97 | 3 |
| | 31 | 9.14 | 1.86 | 10.9 | 2.39 | 12.65 | 2.98 | 12.92 | 3.04 | 13.09 | 3.06 | 13.44 | 3.08 | 13.75 | 3.11 |
| | 33 | 9.14 | 1.98 | 10.9 | 2.55 | 12.56 | 3.14 | 12.74 | 3.16 | 12.92 | 3.17 | 13.22 | 3.2 | 13.57 | 3.23 |
| 35 | 9.14 | 2.11 | 10.9 | 2.71 | 12.34 | 3.25 | 12.52 | 3.27 | 12.7 | 3.29 | 13 | 3.32 | 13.36 | 3.35 | |
| 37 | 9.14 | 2.24 | 10.9 | 2.89 | 12.17 | 3.37 | 12.34 | 3.39 | 12.48 | 3.4 | 12.83 | 3.44 | 13.13 | 3.47 | |
| 39 | 9.14 | 2.38 | 10.9 | 3.08 | 11.95 | 3.49 | 12.12 | 3.5 | 12.3 | 3.52 | 12.61 | 3.56 | 12.96 | 3.59 | |
| 41 | 9.14 | 2.41 | 10.9 | 3.1 | 11.86 | 3.51 | 12.03 | 3.53 | 12.21 | 3.55 | 12.45 | 3.58 | 12.57 | 3.62 | |
| 43 | 9.14 | 2.43 | 10.9 | 3.14 | 11.76 | 3.54 | 11.94 | 3.55 | 12.11 | 3.57 | 12.34 | 3.59 | 12.38 | 3.69 | |
| 100% | -5 | 8.3 | 1.02 | 9.88 | 1.23 | 11.51 | 1.46 | 12.3 | 1.57 | 13.09 | 1.7 | 14.72 | 1.94 | 15.55 | 2.02 |
| | -2 | 8.3 | 1.03 | 9.88 | 1.24 | 11.51 | 1.48 | 12.3 | 1.6 | 13.09 | 1.72 | 14.72 | 1.96 | 15.55 | 2.03 |
| | 0 | 8.3 | 1.04 | 9.88 | 1.26 | 11.51 | 1.5 | 12.3 | 1.62 | 13.09 | 1.74 | 14.72 | 1.99 | 15.55 | 2.06 |
| | 2 | 8.3 | 1.06 | 9.88 | 1.27 | 11.51 | 1.51 | 12.3 | 1.64 | 13.09 | 1.76 | 14.72 | 2.02 | 15.55 | 2.09 |
| | 4 | 8.3 | 1.07 | 9.88 | 1.29 | 11.51 | 1.53 | 12.3 | 1.66 | 13.09 | 1.78 | 14.72 | 2.04 | 15.55 | 2.11 |
| | 6 | 8.3 | 1.09 | 9.88 | 1.31 | 11.51 | 1.55 | 12.3 | 1.69 | 13.09 | 1.81 | 14.72 | 2.07 | 15.55 | 2.15 |
| | 8 | 8.3 | 1.11 | 9.88 | 1.33 | 11.51 | 1.58 | 12.3 | 1.71 | 13.09 | 1.84 | 14.72 | 2.1 | 15.55 | 2.18 |
| | 10 | 8.3 | 1.12 | 9.88 | 1.36 | 11.51 | 1.61 | 12.3 | 1.74 | 13.09 | 1.87 | 14.72 | 2.14 | 15.55 | 2.21 |
| | 12 | 8.3 | 1.14 | 9.88 | 1.38 | 11.51 | 1.64 | 12.3 | 1.77 | 13.09 | 1.91 | 14.72 | 2.18 | 15.33 | 2.23 |
| | 14 | 8.3 | 1.16 | 9.88 | 1.41 | 11.51 | 1.67 | 12.3 | 1.8 | 13.09 | 1.94 | 14.72 | 2.22 | 15.15 | 2.26 |
| | 16 | 8.3 | 1.18 | 9.88 | 1.44 | 11.51 | 1.7 | 12.3 | 1.84 | 13.09 | 1.98 | 14.63 | 2.25 | 14.94 | 2.28 |
| | 18 | 8.3 | 1.2 | 9.88 | 1.46 | 11.51 | 1.73 | 12.3 | 1.87 | 13.09 | 2.02 | 14.45 | 2.32 | 14.76 | 2.34 |
| | 20 | 8.3 | 1.23 | 9.88 | 1.49 | 11.51 | 1.79 | 12.3 | 1.97 | 13.09 | 2.16 | 14.23 | 2.43 | 14.54 | 2.45 |
| | 21 | 8.3 | 1.24 | 9.88 | 1.51 | 11.51 | 1.85 | 12.3 | 2.04 | 13.09 | 2.24 | 14.15 | 2.49 | 14.45 | 2.51 |
| | 23 | 8.3 | 1.27 | 9.88 | 1.61 | 11.51 | 1.98 | 12.3 | 2.19 | 13.09 | 2.4 | 13.97 | 2.6 | 14.23 | 2.62 |
| | 25 | 8.3 | 1.35 | 9.88 | 1.72 | 11.51 | 2.12 | 12.3 | 2.34 | 13.09 | 2.57 | 13.75 | 2.72 | 14.06 | 2.74 |
| | 27 | 8.3 | 1.45 | 9.88 | 1.83 | 11.51 | 2.27 | 12.3 | 2.51 | 13.09 | 2.75 | 13.53 | 2.83 | 13.84 | 2.86 |
| | 29 | 8.3 | 1.54 | 9.88 | 1.95 | 11.51 | 2.42 | 12.3 | 2.68 | 13.05 | 2.92 | 13.35 | 2.95 | 13.66 | 2.97 |
| | 31 | 8.3 | 1.64 | 9.88 | 2.08 | 11.51 | 2.58 | 12.3 | 2.86 | 12.87 | 3.04 | 13.14 | 3.06 | 13.44 | 3.09 |
| | 33 | 8.3 | 1.74 | 9.88 | 2.22 | 11.51 | 2.76 | 12.3 | 3.05 | 12.65 | 3.15 | 12.96 | 3.18 | 13.27 | 3.21 |
| 35 | 8.3 | 1.85 | 9.88 | 2.36 | 11.51 | 2.94 | 12.3 | 3.25 | 12.43 | 3.26 | 12.74 | 3.29 | 13.05 | 3.32 | |
| 37 | 8.3 | 1.97 | 9.88 | 2.51 | 11.51 | 3.13 | 12.08 | 3.36 | 12.26 | 3.38 | 12.56 | 3.41 | 12.83 | 3.44 | |
| 39 | 8.3 | 2.09 | 9.88 | 2.67 | 11.51 | 3.33 | 11.9 | 3.48 | 12.04 | 3.5 | 12.34 | 3.53 | 12.65 | 3.56 | |
| 41 | 8.3 | 2.19 | 9.88 | 2.77 | 11.51 | 3.46 | 11.72 | 3.5 | 11.94 | 3.55 | 12.13 | 3.61 | 12.47 | 3.63 | |
| 43 | 8.3 | 2.28 | 9.88 | 2.87 | 11.51 | 3.52 | 11.53 | 3.54 | 11.86 | 3.58 | 12.2 | 3.63 | 12.25 | 3.67 | |

MDV-V120W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 90% | -5 | 7.47 | 0.9 | 8.92 | 1.08 | 10.37 | 1.28 | 11.07 | 1.39 | 11.77 | 1.48 | 13.22 | 1.7 | 14.67 | 1.95 |
| | -2 | 7.47 | 0.91 | 8.92 | 1.09 | 10.37 | 1.29 | 11.07 | 1.41 | 11.77 | 1.5 | 13.22 | 1.72 | 14.67 | 1.97 |
| | 0 | 7.47 | 0.92 | 8.92 | 1.11 | 10.37 | 1.31 | 11.07 | 1.43 | 11.77 | 1.52 | 13.22 | 1.74 | 14.67 | 1.99 |
| | 2 | 7.47 | 0.94 | 8.92 | 1.12 | 10.37 | 1.33 | 11.07 | 1.45 | 11.77 | 1.54 | 13.22 | 1.78 | 14.67 | 2.02 |
| | 4 | 7.47 | 0.95 | 8.92 | 1.14 | 10.37 | 1.35 | 11.07 | 1.47 | 11.77 | 1.56 | 13.22 | 1.8 | 14.67 | 2.05 |
| | 6 | 7.47 | 0.97 | 8.92 | 1.16 | 10.37 | 1.37 | 11.07 | 1.5 | 11.77 | 1.59 | 13.22 | 1.83 | 14.67 | 2.08 |
| | 8 | 7.47 | 0.98 | 8.92 | 1.18 | 10.37 | 1.4 | 11.07 | 1.52 | 11.77 | 1.62 | 13.22 | 1.87 | 14.67 | 2.1 |
| | 10 | 7.47 | 1 | 8.92 | 1.21 | 10.37 | 1.43 | 11.07 | 1.54 | 11.77 | 1.66 | 13.22 | 1.89 | 14.67 | 2.13 |
| | 12 | 7.47 | 1.02 | 8.92 | 1.23 | 10.37 | 1.45 | 11.07 | 1.57 | 11.77 | 1.69 | 13.22 | 1.93 | 14.67 | 2.17 |
| | 14 | 7.47 | 1.04 | 8.92 | 1.25 | 10.37 | 1.48 | 11.07 | 1.6 | 11.77 | 1.72 | 13.22 | 1.96 | 14.67 | 2.21 |
| | 16 | 7.47 | 1.06 | 8.92 | 1.27 | 10.37 | 1.51 | 11.07 | 1.63 | 11.77 | 1.75 | 13.22 | 2 | 14.63 | 2.25 |
| | 18 | 7.47 | 1.07 | 8.92 | 1.3 | 10.37 | 1.54 | 11.07 | 1.66 | 11.77 | 1.79 | 13.22 | 2.04 | 14.45 | 2.32 |
| | 20 | 7.47 | 1.09 | 8.92 | 1.33 | 10.37 | 1.57 | 11.07 | 1.69 | 11.77 | 1.85 | 13.22 | 2.19 | 14.23 | 2.43 |
| | 21 | 7.47 | 1.1 | 8.92 | 1.34 | 10.37 | 1.59 | 11.07 | 1.75 | 11.77 | 1.92 | 13.22 | 2.27 | 14.15 | 2.49 |
| | 23 | 7.47 | 1.13 | 8.92 | 1.39 | 10.37 | 1.71 | 11.07 | 1.88 | 11.77 | 2.06 | 13.22 | 2.44 | 13.92 | 2.6 |
| | 25 | 7.47 | 1.19 | 8.92 | 1.49 | 10.37 | 1.83 | 11.07 | 2.01 | 11.77 | 2.2 | 13.22 | 2.61 | 13.75 | 2.72 |
| | 27 | 7.47 | 1.26 | 8.92 | 1.59 | 10.37 | 1.95 | 11.07 | 2.15 | 11.77 | 2.35 | 13.22 | 2.79 | 13.53 | 2.83 |
| | 29 | 7.47 | 1.34 | 8.92 | 1.69 | 10.37 | 2.08 | 11.07 | 2.29 | 11.77 | 2.51 | 13.09 | 2.92 | 13.35 | 2.94 |
| | 31 | 7.47 | 1.43 | 8.92 | 1.8 | 10.37 | 2.22 | 11.07 | 2.44 | 11.77 | 2.68 | 12.87 | 3.04 | 13.13 | 3.06 |
| | 33 | 7.47 | 1.52 | 8.92 | 1.91 | 10.37 | 2.37 | 11.07 | 2.61 | 11.77 | 2.86 | 12.7 | 3.15 | 12.96 | 3.18 |
| 35 | 7.47 | 1.61 | 8.92 | 2.04 | 10.37 | 2.52 | 11.07 | 2.78 | 11.77 | 3.05 | 12.48 | 3.27 | 12.74 | 3.29 | |
| 37 | 7.47 | 1.71 | 8.92 | 2.16 | 10.37 | 2.68 | 11.07 | 2.96 | 11.77 | 3.25 | 12.26 | 3.38 | 12.56 | 3.41 | |
| 39 | 7.47 | 1.81 | 8.92 | 2.3 | 10.37 | 2.85 | 11.07 | 3.15 | 11.77 | 3.46 | 12.08 | 3.5 | 12.34 | 3.53 | |
| 41 | 7.47 | 1.88 | 8.92 | 2.41 | 10.37 | 2.96 | 11.07 | 3.23 | 11.77 | 3.48 | 12 | 3.59 | 12.26 | 3.61 | |
| 43 | 7.47 | 1.97 | 8.92 | 2.51 | 10.37 | 3.06 | 11.07 | 3.32 | 11.77 | 3.56 | 11.93 | 3.64 | 12.16 | 3.66 | |
| 80% | -5 | 6.63 | 0.8 | 7.91 | 0.94 | 9.18 | 1.11 | 9.84 | 1.18 | 10.5 | 1.27 | 11.77 | 1.47 | 13.05 | 1.68 |
| | -2 | 6.63 | 0.81 | 7.91 | 0.95 | 9.18 | 1.12 | 9.84 | 1.2 | 10.5 | 1.29 | 11.77 | 1.49 | 13.05 | 1.7 |
| | 0 | 6.63 | 0.82 | 7.91 | 0.96 | 9.18 | 1.14 | 9.84 | 1.22 | 10.5 | 1.31 | 11.77 | 1.51 | 13.05 | 1.72 |
| | 2 | 6.63 | 0.84 | 7.91 | 0.98 | 9.18 | 1.15 | 9.84 | 1.24 | 10.5 | 1.33 | 11.77 | 1.54 | 13.05 | 1.75 |
| | 4 | 6.63 | 0.85 | 7.91 | 0.99 | 9.18 | 1.17 | 9.84 | 1.27 | 10.5 | 1.36 | 11.77 | 1.57 | 13.05 | 1.78 |
| | 6 | 6.63 | 0.87 | 7.91 | 1.02 | 9.18 | 1.19 | 9.84 | 1.3 | 10.5 | 1.38 | 11.77 | 1.59 | 13.05 | 1.81 |
| | 8 | 6.63 | 0.88 | 7.91 | 1.04 | 9.18 | 1.22 | 9.84 | 1.32 | 10.5 | 1.41 | 11.77 | 1.61 | 13.05 | 1.84 |
| | 10 | 6.63 | 0.89 | 7.91 | 1.06 | 9.18 | 1.25 | 9.84 | 1.35 | 10.5 | 1.45 | 11.77 | 1.65 | 13.05 | 1.86 |
| | 12 | 6.63 | 0.9 | 7.91 | 1.08 | 9.18 | 1.27 | 9.84 | 1.38 | 10.5 | 1.48 | 11.77 | 1.68 | 13.05 | 1.9 |
| | 14 | 6.63 | 0.92 | 7.91 | 1.1 | 9.18 | 1.3 | 9.84 | 1.4 | 10.5 | 1.5 | 11.77 | 1.71 | 13.05 | 1.93 |
| | 16 | 6.63 | 0.93 | 7.91 | 1.12 | 9.18 | 1.32 | 9.84 | 1.42 | 10.5 | 1.53 | 11.77 | 1.75 | 13.05 | 1.97 |
| | 18 | 6.63 | 0.95 | 7.91 | 1.14 | 9.18 | 1.35 | 9.84 | 1.45 | 10.5 | 1.56 | 11.77 | 1.78 | 13.05 | 2.01 |
| | 20 | 6.63 | 0.97 | 7.91 | 1.17 | 9.18 | 1.38 | 9.84 | 1.48 | 10.5 | 1.59 | 11.77 | 1.85 | 13.05 | 2.15 |
| | 21 | 6.63 | 0.98 | 7.91 | 1.17 | 9.18 | 1.39 | 9.84 | 1.5 | 10.5 | 1.63 | 11.77 | 1.91 | 13.05 | 2.23 |
| | 23 | 6.63 | 0.99 | 7.91 | 1.2 | 9.18 | 1.45 | 9.84 | 1.59 | 10.5 | 1.74 | 11.77 | 2.05 | 13.05 | 2.39 |
| | 25 | 6.63 | 1.02 | 7.91 | 1.27 | 9.18 | 1.55 | 9.84 | 1.7 | 10.5 | 1.86 | 11.77 | 2.19 | 13.05 | 2.55 |
| | 27 | 6.63 | 1.09 | 7.91 | 1.36 | 9.18 | 1.66 | 9.84 | 1.82 | 10.5 | 1.98 | 11.77 | 2.34 | 13.05 | 2.73 |
| | 29 | 6.63 | 1.16 | 7.91 | 1.45 | 9.18 | 1.77 | 9.84 | 1.94 | 10.5 | 2.12 | 11.77 | 2.5 | 13.05 | 2.92 |
| | 31 | 6.63 | 1.23 | 7.91 | 1.54 | 9.18 | 1.88 | 9.84 | 2.06 | 10.5 | 2.26 | 11.77 | 2.67 | 12.83 | 3.04 |
| | 33 | 6.63 | 1.31 | 7.91 | 1.63 | 9.18 | 2 | 9.84 | 2.2 | 10.5 | 2.4 | 11.77 | 2.85 | 12.65 | 3.15 |
| 35 | 6.63 | 1.39 | 7.91 | 1.74 | 9.18 | 2.13 | 9.84 | 2.34 | 10.5 | 2.56 | 11.77 | 3.04 | 12.43 | 3.26 | |
| 37 | 6.63 | 1.47 | 7.91 | 1.84 | 9.18 | 2.26 | 9.84 | 2.49 | 10.5 | 2.73 | 11.77 | 3.24 | 12.26 | 3.38 | |
| 39 | 6.63 | 1.56 | 7.91 | 1.97 | 9.18 | 2.41 | 9.84 | 2.65 | 10.5 | 2.9 | 11.77 | 3.45 | 12.04 | 3.5 | |
| 41 | 6.63 | 1.59 | 7.91 | 1.98 | 9.18 | 2.44 | 9.84 | 2.72 | 10.5 | 2.96 | 11.77 | 3.53 | 11.96 | 3.56 | |
| 43 | 6.63 | 1.64 | 7.91 | 2 | 9.18 | 2.48 | 9.84 | 2.77 | 10.5 | 3 | 11.77 | 3.58 | 11.89 | 3.59 | |

MDV-V120W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|------|--------------|------|------------|------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -5 | 5.8 | 0.71 | 6.94 | 0.83 | 8.04 | 0.94 | 8.61 | 1.01 | 9.18 | 1.08 | 10.28 | 1.23 | 11.42 | 1.42 |
| | -2 | 5.8 | 0.72 | 6.94 | 0.84 | 8.04 | 0.95 | 8.61 | 1.03 | 9.18 | 1.1 | 10.28 | 1.25 | 11.42 | 1.44 |
| | 0 | 5.8 | 0.72 | 6.94 | 0.85 | 8.04 | 0.97 | 8.61 | 1.05 | 9.18 | 1.12 | 10.28 | 1.28 | 11.42 | 1.46 |
| | 2 | 5.8 | 0.72 | 6.94 | 0.85 | 8.04 | 0.98 | 8.61 | 1.07 | 9.18 | 1.14 | 10.28 | 1.31 | 11.42 | 1.48 |
| | 4 | 5.8 | 0.73 | 6.94 | 0.87 | 8.04 | 1.01 | 8.61 | 1.09 | 9.18 | 1.16 | 10.28 | 1.33 | 11.42 | 1.52 |
| | 6 | 5.8 | 0.74 | 6.94 | 0.89 | 8.04 | 1.03 | 8.61 | 1.12 | 9.18 | 1.19 | 10.28 | 1.35 | 11.42 | 1.55 |
| | 8 | 5.8 | 0.76 | 6.94 | 0.91 | 8.04 | 1.05 | 8.61 | 1.14 | 9.18 | 1.22 | 10.28 | 1.39 | 11.42 | 1.58 |
| | 10 | 5.8 | 0.77 | 6.94 | 0.93 | 8.04 | 1.08 | 8.61 | 1.17 | 9.18 | 1.25 | 10.28 | 1.42 | 11.42 | 1.59 |
| | 12 | 5.8 | 0.79 | 6.94 | 0.94 | 8.04 | 1.1 | 8.61 | 1.19 | 9.18 | 1.27 | 10.28 | 1.45 | 11.42 | 1.63 |
| | 14 | 5.8 | 0.81 | 6.94 | 0.96 | 8.04 | 1.12 | 8.61 | 1.2 | 9.18 | 1.29 | 10.28 | 1.47 | 11.42 | 1.66 |
| | 16 | 5.8 | 0.82 | 6.94 | 0.98 | 8.04 | 1.14 | 8.61 | 1.23 | 9.18 | 1.32 | 10.28 | 1.5 | 11.42 | 1.69 |
| | 18 | 5.8 | 0.83 | 6.94 | 0.99 | 8.04 | 1.17 | 8.61 | 1.25 | 9.18 | 1.34 | 10.28 | 1.53 | 11.42 | 1.72 |
| | 20 | 5.8 | 0.85 | 6.94 | 1.01 | 8.04 | 1.19 | 8.61 | 1.27 | 9.18 | 1.37 | 10.28 | 1.56 | 11.42 | 1.77 |
| | 21 | 5.8 | 0.85 | 6.94 | 1.02 | 8.04 | 1.2 | 8.61 | 1.29 | 9.18 | 1.38 | 10.28 | 1.58 | 11.42 | 1.83 |
| | 23 | 5.8 | 0.87 | 6.94 | 1.04 | 8.04 | 1.22 | 8.61 | 1.33 | 9.18 | 1.45 | 10.28 | 1.7 | 11.42 | 1.96 |
| | 25 | 5.8 | 0.88 | 6.94 | 1.08 | 8.04 | 1.3 | 8.61 | 1.42 | 9.18 | 1.55 | 10.28 | 1.81 | 11.42 | 2.1 |
| | 27 | 5.8 | 0.94 | 6.94 | 1.15 | 8.04 | 1.39 | 8.61 | 1.52 | 9.18 | 1.65 | 10.28 | 1.94 | 11.42 | 2.24 |
| | 29 | 5.8 | 0.99 | 6.94 | 1.22 | 8.04 | 1.48 | 8.61 | 1.62 | 9.18 | 1.76 | 10.28 | 2.06 | 11.42 | 2.4 |
| | 31 | 5.8 | 1.05 | 6.94 | 1.3 | 8.04 | 1.57 | 8.61 | 1.72 | 9.18 | 1.87 | 10.28 | 2.2 | 11.42 | 2.55 |
| | 33 | 5.8 | 1.12 | 6.94 | 1.38 | 8.04 | 1.67 | 8.61 | 1.83 | 9.18 | 1.99 | 10.28 | 2.34 | 11.42 | 2.72 |
| 35 | 5.8 | 1.18 | 6.94 | 1.46 | 8.04 | 1.77 | 8.61 | 1.94 | 9.18 | 2.12 | 10.28 | 2.5 | 11.42 | 2.9 | |
| 37 | 5.8 | 1.25 | 6.94 | 1.55 | 8.04 | 1.89 | 8.61 | 2.06 | 9.18 | 2.26 | 10.28 | 2.66 | 11.42 | 3.09 | |
| 39 | 5.8 | 1.32 | 6.94 | 1.64 | 8.04 | 2 | 8.61 | 2.19 | 9.18 | 2.4 | 10.28 | 2.83 | 11.42 | 3.29 | |
| 41 | 5.8 | 1.38 | 6.94 | 1.7 | 8.04 | 2.06 | 8.61 | 2.27 | 9.18 | 2.47 | 10.28 | 2.94 | 11.42 | 3.44 | |
| 43 | 5.8 | 1.49 | 6.94 | 1.82 | 8.04 | 2.14 | 8.61 | 2.39 | 9.18 | 2.54 | 10.28 | 3.05 | 11.42 | 3.55 | |
| 60% | -5 | 4.96 | 0.61 | 5.93 | 0.7 | 6.9 | 0.82 | 7.38 | 0.87 | 7.86 | 0.94 | 8.83 | 1.06 | 9.8 | 1.21 |
| | -2 | 4.96 | 0.61 | 5.93 | 0.71 | 6.9 | 0.83 | 7.38 | 0.88 | 7.86 | 0.95 | 8.83 | 1.07 | 9.8 | 1.22 |
| | 0 | 4.96 | 0.62 | 5.93 | 0.72 | 6.9 | 0.84 | 7.38 | 0.9 | 7.86 | 0.97 | 8.83 | 1.09 | 9.8 | 1.24 |
| | 2 | 4.96 | 0.63 | 5.93 | 0.74 | 6.9 | 0.86 | 7.38 | 0.91 | 7.86 | 0.98 | 8.83 | 1.11 | 9.8 | 1.25 |
| | 4 | 4.96 | 0.65 | 5.93 | 0.75 | 6.9 | 0.88 | 7.38 | 0.92 | 7.86 | 0.99 | 8.83 | 1.13 | 9.8 | 1.27 |
| | 6 | 4.96 | 0.65 | 5.93 | 0.77 | 6.9 | 0.89 | 7.38 | 0.94 | 7.86 | 1.01 | 8.83 | 1.15 | 9.8 | 1.3 |
| | 8 | 4.96 | 0.67 | 5.93 | 0.78 | 6.9 | 0.91 | 7.38 | 0.96 | 7.86 | 1.04 | 8.83 | 1.17 | 9.8 | 1.32 |
| | 10 | 4.96 | 0.68 | 5.93 | 0.8 | 6.9 | 0.92 | 7.38 | 0.99 | 7.86 | 1.06 | 8.83 | 1.2 | 9.8 | 1.34 |
| | 12 | 4.96 | 0.69 | 5.93 | 0.81 | 6.9 | 0.94 | 7.38 | 1.01 | 7.86 | 1.07 | 8.83 | 1.22 | 9.8 | 1.36 |
| | 14 | 4.96 | 0.7 | 5.93 | 0.82 | 6.9 | 0.95 | 7.38 | 1.02 | 7.86 | 1.09 | 8.83 | 1.24 | 9.8 | 1.39 |
| | 16 | 4.96 | 0.71 | 5.93 | 0.84 | 6.9 | 0.97 | 7.38 | 1.04 | 7.86 | 1.11 | 8.83 | 1.26 | 9.8 | 1.41 |
| | 18 | 4.96 | 0.72 | 5.93 | 0.85 | 6.9 | 0.99 | 7.38 | 1.06 | 7.86 | 1.13 | 8.83 | 1.28 | 9.8 | 1.44 |
| | 20 | 4.96 | 0.73 | 5.93 | 0.87 | 6.9 | 1.01 | 7.38 | 1.08 | 7.86 | 1.16 | 8.83 | 1.31 | 9.8 | 1.47 |
| | 21 | 4.96 | 0.74 | 5.93 | 0.87 | 6.9 | 1.02 | 7.38 | 1.09 | 7.86 | 1.16 | 8.83 | 1.32 | 9.8 | 1.48 |
| | 23 | 4.96 | 0.75 | 5.93 | 0.89 | 6.9 | 1.03 | 7.38 | 1.11 | 7.86 | 1.19 | 8.83 | 1.38 | 9.8 | 1.58 |
| | 25 | 4.96 | 0.76 | 5.93 | 0.9 | 6.9 | 1.07 | 7.38 | 1.16 | 7.86 | 1.26 | 8.83 | 1.47 | 9.8 | 1.69 |
| | 27 | 4.96 | 0.79 | 5.93 | 0.96 | 6.9 | 1.14 | 7.38 | 1.24 | 7.86 | 1.34 | 8.83 | 1.56 | 9.8 | 1.8 |
| | 29 | 4.96 | 0.84 | 5.93 | 1.02 | 6.9 | 1.22 | 7.38 | 1.32 | 7.86 | 1.43 | 8.83 | 1.67 | 9.8 | 1.92 |
| | 31 | 4.96 | 0.89 | 5.93 | 1.08 | 6.9 | 1.29 | 7.38 | 1.41 | 7.86 | 1.52 | 8.83 | 1.77 | 9.8 | 2.05 |
| | 33 | 4.96 | 0.94 | 5.93 | 1.14 | 6.9 | 1.37 | 7.38 | 1.49 | 7.86 | 1.62 | 8.83 | 1.89 | 9.8 | 2.18 |
| 35 | 4.96 | 0.99 | 5.93 | 1.21 | 6.9 | 1.45 | 7.38 | 1.59 | 7.86 | 1.72 | 8.83 | 2.01 | 9.8 | 2.32 | |
| 37 | 4.96 | 1.05 | 5.93 | 1.28 | 6.9 | 1.54 | 7.38 | 1.68 | 7.86 | 1.83 | 8.83 | 2.14 | 9.8 | 2.47 | |
| 39 | 4.96 | 1.11 | 5.93 | 1.36 | 6.9 | 1.63 | 7.38 | 1.78 | 7.86 | 1.94 | 8.83 | 2.27 | 9.8 | 2.63 | |
| 41 | 4.96 | 1.14 | 5.93 | 1.42 | 6.9 | 1.69 | 7.38 | 1.85 | 7.86 | 2.01 | 8.83 | 2.38 | 9.8 | 2.75 | |
| 43 | 4.96 | 1.18 | 5.93 | 1.48 | 6.9 | 1.75 | 7.38 | 1.91 | 7.86 | 2.08 | 8.83 | 2.48 | 9.8 | 2.87 | |

MDV-V120W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|------|--------------|------|------------|------|--------------|------|--------------|------|------------|------|
| | | DB:20.8,WB:14 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 50% | -5 | 4.15 | 0.53 | 4.96 | 0.61 | 5.75 | 0.7 | 6.15 | 0.73 | 6.55 | 0.77 | 7.34 | 0.88 | 8.17 | 0.95 |
| | -2 | 4.15 | 0.53 | 4.96 | 0.62 | 5.75 | 0.71 | 6.15 | 0.74 | 6.55 | 0.79 | 7.34 | 0.89 | 8.17 | 0.96 |
| | 0 | 4.15 | 0.54 | 4.96 | 0.63 | 5.75 | 0.72 | 6.15 | 0.75 | 6.55 | 0.79 | 7.34 | 0.9 | 8.17 | 0.98 |
| | 2 | 4.15 | 0.55 | 4.96 | 0.64 | 5.75 | 0.73 | 6.15 | 0.76 | 6.55 | 0.81 | 7.34 | 0.91 | 8.17 | 0.99 |
| | 4 | 4.15 | 0.55 | 4.96 | 0.65 | 5.75 | 0.74 | 6.15 | 0.77 | 6.55 | 0.82 | 7.34 | 0.93 | 8.17 | 1.02 |
| | 6 | 4.15 | 0.56 | 4.96 | 0.66 | 5.75 | 0.75 | 6.15 | 0.79 | 6.55 | 0.84 | 7.34 | 0.95 | 8.17 | 1.05 |
| | 8 | 4.15 | 0.58 | 4.96 | 0.67 | 5.75 | 0.76 | 6.15 | 0.81 | 6.55 | 0.85 | 7.34 | 0.96 | 8.17 | 1.08 |
| | 10 | 4.15 | 0.59 | 4.96 | 0.68 | 5.75 | 0.78 | 6.15 | 0.82 | 6.55 | 0.88 | 7.34 | 0.99 | 8.17 | 1.1 |
| | 12 | 4.15 | 0.59 | 4.96 | 0.69 | 5.75 | 0.79 | 6.15 | 0.84 | 6.55 | 0.89 | 7.34 | 1 | 8.17 | 1.12 |
| | 14 | 4.15 | 0.6 | 4.96 | 0.7 | 5.75 | 0.8 | 6.15 | 0.85 | 6.55 | 0.91 | 7.34 | 1.02 | 8.17 | 1.14 |
| | 16 | 4.15 | 0.61 | 4.96 | 0.71 | 5.75 | 0.81 | 6.15 | 0.87 | 6.55 | 0.92 | 7.34 | 1.04 | 8.17 | 1.16 |
| | 18 | 4.15 | 0.62 | 4.96 | 0.72 | 5.75 | 0.82 | 6.15 | 0.88 | 6.55 | 0.94 | 7.34 | 1.06 | 8.17 | 1.18 |
| | 20 | 4.15 | 0.63 | 4.96 | 0.73 | 5.75 | 0.84 | 6.15 | 0.89 | 6.55 | 0.95 | 7.34 | 1.07 | 8.17 | 1.2 |
| | 21 | 4.15 | 0.63 | 4.96 | 0.74 | 5.75 | 0.85 | 6.15 | 0.9 | 6.55 | 0.96 | 7.34 | 1.09 | 8.17 | 1.21 |
| | 23 | 4.15 | 0.64 | 4.96 | 0.74 | 5.75 | 0.86 | 6.15 | 0.92 | 6.55 | 0.98 | 7.34 | 1.1 | 8.17 | 1.24 |
| | 25 | 4.15 | 0.65 | 4.96 | 0.76 | 5.75 | 0.88 | 6.15 | 0.94 | 6.55 | 1.01 | 7.34 | 1.16 | 8.17 | 1.32 |
| | 27 | 4.15 | 0.66 | 4.96 | 0.79 | 5.75 | 0.92 | 6.15 | 1 | 6.55 | 1.07 | 7.34 | 1.24 | 8.17 | 1.41 |
| | 29 | 4.15 | 0.7 | 4.96 | 0.83 | 5.75 | 0.98 | 6.15 | 1.06 | 6.55 | 1.14 | 7.34 | 1.31 | 8.17 | 1.5 |
| | 31 | 4.15 | 0.74 | 4.96 | 0.88 | 5.75 | 1.04 | 6.15 | 1.13 | 6.55 | 1.21 | 7.34 | 1.4 | 8.17 | 1.6 |
| | 33 | 4.15 | 0.78 | 4.96 | 0.93 | 5.75 | 1.1 | 6.15 | 1.19 | 6.55 | 1.29 | 7.34 | 1.48 | 8.17 | 1.7 |
| 35 | 4.15 | 0.82 | 4.96 | 0.99 | 5.75 | 1.16 | 6.15 | 1.26 | 6.55 | 1.36 | 7.34 | 1.58 | 8.17 | 1.8 | |
| 37 | 4.15 | 0.87 | 4.96 | 1.04 | 5.75 | 1.24 | 6.15 | 1.34 | 6.55 | 1.45 | 7.34 | 1.67 | 8.17 | 1.92 | |
| 39 | 4.15 | 0.92 | 4.96 | 1.1 | 5.75 | 1.31 | 6.15 | 1.41 | 6.55 | 1.53 | 7.34 | 1.77 | 8.17 | 2.04 | |
| 41 | 4.15 | 0.95 | 4.96 | 1.15 | 5.75 | 1.35 | 6.15 | 1.48 | 6.55 | 1.6 | 7.34 | 1.87 | 8.17 | 2.13 | |
| 43 | 4.15 | 1.02 | 4.96 | 1.23 | 5.75 | 1.4 | 6.15 | 1.55 | 6.55 | 1.64 | 7.34 | 1.96 | 8.17 | 2.23 | |

Note:

1. [] is tested under our standard condition.
2. In cooling mode, avoid running the unit when outdoor air temperature is above 43 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V120W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature(°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|-----------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -13.7 | -15 | 9.39 | 2.74 | 9.35 | 2.9 | 9.3 | 3.06 | 9.3 | 3.14 | 9.26 | 3.22 | 9.26 | 3.38 |
| | -11.8 | -13 | 9.76 | 2.87 | 9.76 | 3.02 | 9.72 | 3.17 | 9.68 | 3.24 | 9.68 | 3.32 | 9.64 | 3.47 |
| | -9.8 | -11 | 10.23 | 2.99 | 10.18 | 3.14 | 10.14 | 3.28 | 10.14 | 3.35 | 10.14 | 3.42 | 10.1 | 3.57 |
| | -9.5 | -10 | 10.48 | 3.06 | 10.43 | 3.2 | 10.39 | 3.33 | 10.39 | 3.41 | 10.35 | 3.47 | 10.35 | 3.61 |
| | -8.5 | -9.1 | 10.68 | 3.11 | 10.64 | 3.24 | 10.64 | 3.38 | 10.6 | 3.45 | 10.6 | 3.52 | 10.56 | 3.66 |
| | -7 | -7.6 | 11.06 | 3.2 | 11.06 | 3.33 | 11.02 | 3.47 | 11.02 | 3.53 | 10.98 | 3.6 | 10.94 | 3.73 |
| | -5 | -5.6 | 11.65 | 3.32 | 11.61 | 3.45 | 11.56 | 3.57 | 11.56 | 3.64 | 11.52 | 3.7 | 11.52 | 3.82 |
| | -3 | -3.7 | 12.19 | 3.43 | 12.15 | 3.55 | 12.15 | 3.67 | 12.11 | 3.73 | 12.11 | 3.79 | 12.07 | 3.91 |
| | 0 | -0.7 | 13.16 | 3.6 | 13.16 | 3.71 | 13.12 | 3.82 | 13.12 | 3.86 | 13.07 | 3.93 | 13.07 | 4.04 |
| | 3 | 2.2 | 14.2 | 3.74 | 14.16 | 3.85 | 14.12 | 3.95 | 14.12 | 4 | 14.12 | 4.06 | 14.08 | 4.16 |
| | 5 | 4.1 | 14.92 | 3.84 | 14.88 | 3.94 | 14.88 | 4.03 | 14.83 | 4.08 | 14.83 | 4.13 | 14.79 | 4.23 |
| | 7 | 6 | 15.67 | 3.93 | 15.63 | 4.02 | 15.63 | 4.11 | 15.59 | 4.16 | 15.59 | 4.2 | 14.96 | 4.04 |
| | 9 | 7.9 | 16.47 | 4.01 | 16.43 | 4.1 | 16.43 | 4.19 | 16.39 | 4.23 | 16.05 | 4.14 | 14.96 | 3.79 |
| | 11 | 9.8 | 17.31 | 4.09 | 17.27 | 4.17 | 17.18 | 4.23 | 16.59 | 4.06 | 16.05 | 3.89 | 14.96 | 3.57 |
| | 13 | 11.8 | 18.23 | 4.17 | 18.19 | 4.25 | 17.18 | 3.96 | 16.59 | 3.8 | 16.05 | 3.65 | 14.96 | 3.35 |
| 15 | 13.7 | 19.11 | 4.24 | 18.27 | 4.02 | 17.18 | 3.73 | 16.59 | 3.59 | 16.05 | 3.44 | 14.96 | 3.16 | |
| 120% | -13.7 | -15 | 9.35 | 2.96 | 9.3 | 3.1 | 9.26 | 3.24 | 9.26 | 3.32 | 9.26 | 3.39 | 9.22 | 3.54 |
| | -11.8 | -13 | 9.72 | 3.07 | 9.72 | 3.21 | 9.68 | 3.35 | 9.68 | 3.42 | 9.64 | 3.49 | 9.64 | 3.63 |
| | -9.8 | -11 | 10.18 | 3.19 | 10.14 | 3.32 | 10.14 | 3.45 | 10.1 | 3.52 | 10.1 | 3.58 | 10.06 | 3.72 |
| | -9.5 | -10 | 10.44 | 3.24 | 10.39 | 3.38 | 10.35 | 3.5 | 10.35 | 3.57 | 10.35 | 3.63 | 10.31 | 3.76 |
| | -8.5 | -9.1 | 10.64 | 3.29 | 10.6 | 3.42 | 10.6 | 3.55 | 10.56 | 3.61 | 10.56 | 3.68 | 10.52 | 3.8 |
| | -7 | -7.6 | 11.02 | 3.38 | 11.02 | 3.5 | 10.98 | 3.62 | 10.98 | 3.69 | 10.94 | 3.75 | 10.94 | 3.87 |
| | -5 | -5.6 | 11.61 | 3.49 | 11.57 | 3.61 | 11.52 | 3.72 | 11.52 | 3.78 | 11.52 | 3.84 | 11.48 | 3.95 |
| | -3 | -3.7 | 12.15 | 3.59 | 12.15 | 3.7 | 12.11 | 3.81 | 12.11 | 3.87 | 12.07 | 3.93 | 12.07 | 4.03 |
| | 0 | -0.7 | 13.12 | 3.75 | 13.12 | 3.85 | 13.07 | 3.95 | 13.07 | 4 | 13.03 | 4.05 | 13.03 | 4.16 |
| | 3 | 2.2 | 14.16 | 3.88 | 14.12 | 3.98 | 14.12 | 4.07 | 14.08 | 4.12 | 14.08 | 4.17 | 13.79 | 4.15 |
| | 5 | 4.1 | 14.88 | 3.97 | 14.83 | 4.06 | 14.83 | 4.15 | 14.79 | 4.2 | 14.79 | 4.24 | 13.79 | 3.89 |
| | 7 | 6 | 15.63 | 4.05 | 15.63 | 4.14 | 15.59 | 4.22 | 15.34 | 4.16 | 14.83 | 3.99 | 13.79 | 3.66 |
| | 9 | 7.9 | 16.43 | 4.13 | 16.39 | 4.21 | 15.84 | 4.07 | 15.34 | 3.91 | 14.83 | 3.75 | 13.79 | 3.45 |
| | 11 | 9.8 | 17.27 | 4.2 | 16.85 | 4.13 | 15.84 | 3.83 | 15.34 | 3.68 | 14.83 | 3.53 | 13.79 | 3.25 |
| | 13 | 11.8 | 17.89 | 4.16 | 16.85 | 3.88 | 15.84 | 3.59 | 15.34 | 3.46 | 14.83 | 3.32 | 13.79 | 3.06 |
| 15 | 13.7 | 17.89 | 3.92 | 16.85 | 3.65 | 15.84 | 3.39 | 15.34 | 3.26 | 14.83 | 3.13 | 13.79 | 2.88 | |
| 110% | -13.7 | -15 | 9.3 | 3.17 | 9.26 | 3.3 | 9.22 | 3.43 | 9.22 | 3.5 | 9.22 | 3.57 | 9.18 | 3.7 |
| | -11.8 | -13 | 9.68 | 3.28 | 9.68 | 3.4 | 9.64 | 3.53 | 9.64 | 3.59 | 9.6 | 3.66 | 9.6 | 3.79 |
| | -9.8 | -11 | 10.14 | 3.38 | 10.1 | 3.5 | 10.1 | 3.62 | 10.06 | 3.69 | 10.06 | 3.74 | 10.06 | 3.87 |
| | -9.5 | -10 | 10.39 | 3.43 | 10.35 | 3.55 | 10.31 | 3.67 | 10.31 | 3.73 | 10.31 | 3.79 | 10.27 | 3.91 |
| | -8.5 | -9.1 | 10.6 | 3.48 | 10.56 | 3.6 | 10.56 | 3.71 | 10.52 | 3.77 | 10.52 | 3.83 | 10.52 | 3.49 |
| | -7 | -7.6 | 10.98 | 3.56 | 10.98 | 3.67 | 10.94 | 3.78 | 10.94 | 3.84 | 10.94 | 3.89 | 10.9 | 4.01 |
| | -5 | -5.6 | 11.57 | 3.66 | 11.52 | 3.77 | 11.48 | 3.87 | 11.48 | 3.93 | 11.48 | 3.98 | 11.44 | 4.09 |
| | -3 | -3.7 | 12.11 | 3.75 | 12.11 | 3.85 | 12.07 | 3.96 | 12.07 | 4.01 | 12.03 | 4.06 | 12.03 | 4.16 |
| | 0 | -0.7 | 13.07 | 3.89 | 13.07 | 3.99 | 13.03 | 4.08 | 13.03 | 4.13 | 13.03 | 4.18 | 12.66 | 4.1 |
| | 3 | 2.2 | 14.12 | 4.02 | 14.08 | 4.11 | 14.08 | 4.2 | 14.04 | 4.24 | 13.58 | 4.07 | 12.66 | 3.73 |
| | 5 | 4.1 | 14.83 | 4.1 | 14.83 | 4.19 | 14.54 | 4.15 | 14.04 | 3.98 | 13.58 | 3.82 | 12.66 | 3.51 |
| | 7 | 6 | 15.59 | 4.18 | 15.46 | 4.2 | 14.54 | 3.89 | 14.04 | 3.74 | 13.58 | 3.59 | 12.66 | 3.3 |
| | 9 | 7.9 | 16.38 | 4.25 | 15.46 | 3.95 | 14.54 | 3.66 | 14.04 | 3.52 | 13.58 | 3.38 | 12.66 | 3.11 |
| | 11 | 9.8 | 16.38 | 3.99 | 15.46 | 3.72 | 14.54 | 3.45 | 14.04 | 3.32 | 13.58 | 3.19 | 12.66 | 2.93 |
| | 13 | 11.8 | 16.38 | 3.74 | 15.46 | 3.49 | 14.54 | 3.24 | 14.04 | 3.12 | 13.58 | 3 | 12.66 | 2.76 |
| 15 | 13.7 | 16.38 | 3.33 | 15.46 | 3.29 | 14.54 | 3.06 | 14.04 | 2.94 | 13.58 | 2.83 | 12.66 | 2.61 | |

MDV-V120W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature(°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|-----------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 100% | -13.7 | -15 | 9.26 | 3.38 | 9.22 | 3.5 | 9.18 | 3.62 | 9.18 | 3.69 | 9.18 | 3.74 | 9.14 | 3.87 |
| | -11.8 | -13 | 9.64 | 3.48 | 9.64 | 3.59 | 9.6 | 3.71 | 9.6 | 3.77 | 9.6 | 3.83 | 9.55 | 3.94 |
| | -9.8 | -11 | 10.1 | 3.57 | 10.06 | 3.69 | 10.06 | 3.79 | 10.06 | 3.85 | 10.01 | 3.91 | 10.01 | 4.02 |
| | -9.5 | -10 | 10.35 | 3.62 | 10.31 | 3.73 | 10.31 | 3.84 | 10.27 | 3.89 | 10.27 | 3.95 | 10.22 | 4.06 |
| | -8.5 | -9.1 | 10.56 | 3.66 | 10.52 | 3.77 | 10.52 | 3.88 | 10.52 | 3.93 | 10.48 | 3.98 | 10.48 | 4.09 |
| | -7 | -7.6 | 10.94 | 3.74 | 10.94 | 3.84 | 10.9 | 3.94 | 10.9 | 3.99 | 10.9 | 4.04 | 10.85 | 4.15 |
| | -5 | -5.6 | 11.52 | 3.83 | 11.48 | 3.93 | 11.48 | 4.02 | 11.44 | 4.07 | 11.44 | 4.12 | 11.4 | 4.22 |
| | -3 | -3.7 | 12.07 | 3.92 | 12.07 | 3.56 | 12.03 | 4.1 | 12.03 | 4.15 | 12.03 | 4.19 | 11.52 | 4.02 |
| | 0 | -0.7 | 13.03 | 4.04 | 13.03 | 4.13 | 12.99 | 4.21 | 12.78 | 4.15 | 12.36 | 3.97 | 11.52 | 3.65 |
| | 3 | 2.2 | 14.08 | 4.16 | 14.04 | 4.24 | 13.2 | 3.92 | 12.78 | 3.77 | 12.36 | 3.62 | 11.52 | 3.32 |
| | 5 | 4.1 | 14.79 | 4.24 | 14.04 | 3.98 | 13.2 | 3.69 | 12.78 | 3.55 | 12.36 | 3.41 | 11.52 | 3.13 |
| | 7 | 6 | 14.88 | 4.02 | 14.04 | 3.74 | 13.2 | 3.47 | 12.78 | 3.34 | 12.36 | 3.21 | 11.52 | 2.95 |
| | 9 | 7.9 | 14.88 | 3.78 | 14.04 | 3.52 | 13.2 | 3.27 | 12.78 | 3.1 | 12.36 | 3.02 | 11.52 | 2.79 |
| | 11 | 9.8 | 14.88 | 3.56 | 14.04 | 3.32 | 13.2 | 3.08 | 12.78 | 2.97 | 12.36 | 2.85 | 11.52 | 2.63 |
| | 13 | 11.8 | 14.88 | 3.34 | 14.04 | 3.12 | 13.2 | 2.9 | 12.78 | 2.79 | 12.36 | 2.69 | 11.52 | 2.48 |
| 15 | 13.7 | 14.88 | 3.15 | 14.04 | 2.94 | 13.2 | 2.74 | 12.78 | 2.64 | 12.36 | 2.54 | 11.52 | 2.35 | |
| 90% | -13.7 | -15 | 9.2 | 3.6 | 9.16 | 3.7 | 9.16 | 3.81 | 9.12 | 3.87 | 9.12 | 3.92 | 9.12 | 4.03 |
| | -11.8 | -13 | 9.58 | 3.68 | 9.58 | 3.79 | 9.54 | 3.89 | 9.54 | 3.94 | 9.54 | 3.99 | 9.5 | 4.1 |
| | -9.8 | -11 | 10.04 | 3.77 | 10.04 | 3.87 | 10 | 3.97 | 10 | 4.02 | 10 | 4.07 | 9.96 | 4.17 |
| | -9.5 | -10 | 10.29 | 3.81 | 10.25 | 3.91 | 10.25 | 4.01 | 10.21 | 4.06 | 10.21 | 4.11 | 10.21 | 4.2 |
| | -8.5 | -9.1 | 10.5 | 3.85 | 10.5 | 3.95 | 10.46 | 4.04 | 10.46 | 4.09 | 10.46 | 4.14 | 10.33 | 4.18 |
| | -7 | -7.6 | 10.88 | 3.92 | 10.88 | 4.01 | 10.83 | 4.1 | 10.83 | 4.15 | 10.83 | 4.19 | 10.33 | 3.99 |
| | -5 | -5.6 | 11.46 | 4 | 11.42 | 4.09 | 11.42 | 4.17 | 11.38 | 4.22 | 11.09 | 4.09 | 10.33 | 3.75 |
| | -3 | -3.7 | 12.01 | 4.08 | 12.01 | 4.16 | 11.88 | 4.18 | 11.46 | 4.01 | 11.09 | 3.85 | 10.33 | 3.53 |
| | 0 | -0.7 | 13.01 | 4.2 | 12.63 | 4.09 | 11.88 | 3.79 | 11.46 | 3.64 | 11.09 | 3.5 | 10.33 | 3.21 |
| | 3 | 2.2 | 13.39 | 4 | 12.63 | 3.72 | 11.88 | 3.45 | 11.46 | 3.32 | 11.09 | 3.19 | 10.33 | 2.94 |
| | 5 | 4.1 | 13.39 | 3.76 | 12.63 | 3.5 | 11.88 | 3.25 | 11.46 | 3.13 | 11.09 | 3.01 | 10.33 | 2.77 |
| | 7 | 6 | 13.39 | 3.53 | 12.63 | 3.3 | 11.88 | 3.06 | 11.46 | 2.95 | 11.09 | 2.84 | 10.33 | 2.62 |
| | 9 | 7.9 | 13.39 | 3.33 | 12.63 | 3.1 | 11.88 | 2.89 | 11.46 | 2.78 | 11.09 | 2.68 | 10.33 | 2.47 |
| | 11 | 9.8 | 13.39 | 3.14 | 12.63 | 2.93 | 11.88 | 2.73 | 11.46 | 2.63 | 11.09 | 2.53 | 10.33 | 2.34 |
| | 13 | 11.8 | 13.39 | 2.95 | 12.63 | 2.76 | 11.88 | 2.57 | 11.46 | 2.48 | 11.09 | 2.39 | 10.33 | 2.21 |
| 15 | 13.7 | 13.39 | 2.79 | 12.63 | 2.61 | 11.88 | 2.44 | 11.46 | 2.35 | 11.09 | 2.27 | 10.33 | 2.1 | |
| 80% | -13.7 | -15 | 9.18 | 3.81 | 9.14 | 3.9 | 9.14 | 4 | 9.14 | 4.05 | 9.09 | 4.1 | 9.09 | 4.2 |
| | -11.8 | -13 | 9.55 | 3.88 | 9.55 | 3.98 | 9.51 | 4.07 | 9.51 | 4.11 | 9.51 | 4.16 | 9.22 | 4.05 |
| | -9.8 | -11 | 10.02 | 3.96 | 10.02 | 4.05 | 9.97 | 4.14 | 9.97 | 4.18 | 9.89 | 4.17 | 9.22 | 3.83 |
| | -9.5 | -10 | 10.27 | 4 | 10.22 | 4.09 | 10.23 | 4.17 | 10.23 | 4.22 | 9.89 | 4.05 | 9.22 | 3.71 |
| | -8.5 | -9.1 | 10.48 | 4.04 | 9.74 | 4.12 | 10.43 | 4.2 | 10.23 | 4.11 | 9.89 | 3.94 | 9.22 | 3.61 |
| | -7 | -7.6 | 10.85 | 4.1 | 10.85 | 4.18 | 10.56 | 4.09 | 10.23 | 3.92 | 9.89 | 3.77 | 9.22 | 3.46 |
| | -5 | -5.6 | 11.44 | 4.17 | 11.23 | 4.15 | 10.56 | 3.84 | 10.23 | 3.69 | 9.89 | 3.54 | 9.22 | 3.25 |
| | -3 | -3.7 | 11.9 | 4.19 | 11.23 | 3.9 | 10.56 | 3.61 | 10.23 | 3.48 | 9.89 | 3.34 | 9.22 | 3.07 |
| | 0 | -0.7 | 11.9 | 3.8 | 11.23 | 3.54 | 10.56 | 3.29 | 10.23 | 3.17 | 9.89 | 3.04 | 9.22 | 2.8 |
| | 3 | 2.2 | 11.9 | 3.47 | 11.23 | 3.23 | 10.56 | 3.01 | 10.23 | 2.89 | 9.89 | 2.78 | 9.22 | 2.57 |
| | 5 | 4.1 | 11.9 | 3.26 | 11.23 | 3.05 | 10.56 | 2.83 | 10.23 | 2.73 | 9.89 | 2.63 | 9.22 | 2.43 |
| | 7 | 6 | 11.9 | 3.07 | 11.23 | 2.88 | 10.56 | 2.68 | 10.23 | 2.58 | 9.89 | 2.49 | 9.22 | 2.3 |
| | 9 | 7.9 | 11.9 | 2.9 | 11.23 | 2.71 | 10.56 | 2.53 | 10.23 | 2.44 | 9.89 | 2.35 | 9.22 | 2.18 |
| | 11 | 9.8 | 11.9 | 2.74 | 11.23 | 2.56 | 10.56 | 2.39 | 10.23 | 2.31 | 9.89 | 2.23 | 9.22 | 2.06 |
| | 13 | 11.8 | 11.9 | 2.58 | 11.23 | 2.42 | 10.56 | 2.26 | 10.23 | 2.18 | 9.89 | 2.1 | 9.22 | 1.95 |
| 15 | 13.7 | 11.9 | 2.44 | 11.23 | 2.29 | 10.56 | 2.14 | 10.23 | 2.07 | 9.89 | 2 | 9.22 | 1.86 | |

MDV-V120W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature(°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|--------------------------------|-------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -13.7 | -15 | 9.11 | 4.02 | 9.07 | 4.11 | 9.07 | 4.19 | 8.91 | 4.13 | 8.61 | 3.96 | 8.03 | 3.63 |
| | -11.8 | -13 | 9.49 | 4.09 | 9.49 | 4.17 | 9.24 | 4.07 | 8.91 | 3.91 | 8.61 | 3.75 | 8.03 | 3.44 |
| | -9.8 | -11 | 9.95 | 4.15 | 9.82 | 4.15 | 9.24 | 3.84 | 8.91 | 3.7 | 8.61 | 3.55 | 8.03 | 3.26 |
| | -9.5 | -10 | 10.2 | 4.19 | 9.82 | 4.03 | 9.24 | 3.73 | 8.91 | 3.59 | 8.61 | 3.45 | 8.03 | 3.17 |
| | -8.5 | -9.1 | 10.41 | 4.21 | 9.82 | 3.92 | 9.24 | 3.63 | 8.91 | 3.49 | 8.61 | 3.36 | 8.03 | 3.09 |
| | -7 | -7.6 | 10.41 | 4.02 | 9.82 | 3.74 | 9.24 | 3.47 | 8.91 | 3.34 | 8.61 | 3.21 | 8.03 | 2.96 |
| | -5 | -5.6 | 10.41 | 3.78 | 9.82 | 3.52 | 9.24 | 3.27 | 8.91 | 3.15 | 8.61 | 3.12 | 8.03 | 2.79 |
| | -3 | -3.7 | 10.41 | 3.56 | 9.82 | 3.32 | 9.24 | 3.09 | 8.91 | 2.97 | 8.61 | 2.86 | 8.03 | 2.64 |
| | 0 | -0.7 | 10.41 | 3.24 | 9.82 | 3.03 | 9.24 | 2.82 | 8.91 | 2.71 | 8.61 | 2.61 | 8.03 | 2.42 |
| | 3 | 2.2 | 10.41 | 2.96 | 9.82 | 2.77 | 9.24 | 2.58 | 8.91 | 2.49 | 8.61 | 2.4 | 8.03 | 2.22 |
| | 5 | 4.1 | 10.41 | 2.79 | 9.82 | 2.61 | 9.24 | 2.44 | 8.91 | 2.35 | 8.61 | 2.27 | 8.03 | 2.1 |
| | 7 | 6 | 10.41 | 2.64 | 9.82 | 2.47 | 9.24 | 2.31 | 8.91 | 2.23 | 8.61 | 2.15 | 8.03 | 1.99 |
| | 9 | 7.9 | 10.41 | 2.5 | 9.82 | 2.34 | 9.24 | 2.19 | 8.91 | 2.11 | 8.61 | 2.04 | 8.03 | 1.89 |
| | 11 | 9.8 | 10.41 | 2.36 | 9.82 | 2.21 | 9.24 | 2.07 | 8.91 | 2 | 8.61 | 1.93 | 8.03 | 1.79 |
| | 13 | 11.8 | 10.41 | 2.23 | 9.82 | 2.1 | 9.24 | 1.96 | 8.91 | 1.9 | 8.61 | 1.83 | 8.03 | 1.7 |
| 15 | 13.7 | 10.41 | 2.11 | 9.82 | 1.99 | 9.24 | 1.86 | 8.91 | 1.8 | 8.61 | 1.74 | 8.03 | 1.62 | |
| 60% | -13.7 | -15 | 8.93 | 4.13 | 8.42 | 3.84 | 7.92 | 3.56 | 7.67 | 3.42 | 7.42 | 3.29 | 6.91 | 3.02 |
| | -11.8 | -13 | 8.93 | 3.91 | 8.42 | 3.64 | 7.92 | 3.38 | 7.67 | 3.25 | 7.42 | 3.12 | 6.91 | 2.89 |
| | -9.8 | -11 | 8.93 | 3.69 | 8.42 | 3.44 | 7.92 | 3.19 | 7.67 | 3.07 | 7.42 | 2.96 | 6.91 | 2.73 |
| | -9.5 | -10 | 8.93 | 3.59 | 8.42 | 3.34 | 7.92 | 3.1 | 7.67 | 2.99 | 7.42 | 2.87 | 6.91 | 2.65 |
| | -8.5 | -9.1 | 8.93 | 3.49 | 8.42 | 3.26 | 7.92 | 3.03 | 7.67 | 2.92 | 7.42 | 2.8 | 6.91 | 2.59 |
| | -7 | -7.6 | 8.93 | 3.34 | 8.42 | 3.12 | 7.92 | 2.9 | 7.67 | 2.79 | 7.42 | 2.69 | 6.91 | 2.48 |
| | -5 | -5.6 | 8.93 | 3.15 | 8.42 | 2.94 | 7.92 | 2.74 | 7.67 | 2.64 | 7.42 | 2.54 | 6.91 | 2.35 |
| | -3 | -3.7 | 8.93 | 2.97 | 8.42 | 2.78 | 7.92 | 2.59 | 7.67 | 2.5 | 7.42 | 2.4 | 6.91 | 2.22 |
| | 0 | -0.7 | 8.93 | 2.71 | 8.42 | 2.54 | 7.92 | 2.37 | 7.67 | 2.29 | 7.42 | 2.2 | 6.91 | 2.04 |
| | 3 | 2.2 | 8.93 | 2.49 | 8.42 | 2.33 | 7.92 | 2.18 | 7.67 | 2.1 | 7.42 | 2.03 | 6.91 | 1.88 |
| | 5 | 4.1 | 8.93 | 2.35 | 8.42 | 2.21 | 7.92 | 2.06 | 7.67 | 2 | 7.42 | 1.92 | 6.91 | 1.79 |
| | 7 | 6 | 8.93 | 2.23 | 8.42 | 2.09 | 7.92 | 1.96 | 7.67 | 1.89 | 7.42 | 1.83 | 6.91 | 1.7 |
| | 9 | 7.9 | 8.93 | 2.11 | 8.42 | 1.98 | 7.92 | 1.86 | 7.67 | 1.8 | 7.42 | 1.73 | 6.91 | 1.62 |
| | 11 | 9.8 | 8.93 | 2 | 8.42 | 1.88 | 7.92 | 1.77 | 7.67 | 1.71 | 7.42 | 1.65 | 6.91 | 1.54 |
| | 13 | 11.8 | 8.93 | 1.89 | 8.42 | 1.78 | 7.92 | 1.68 | 7.67 | 1.62 | 7.42 | 1.57 | 6.91 | 1.46 |
| 15 | 13.7 | 8.93 | 1.8 | 8.42 | 1.69 | 7.92 | 1.6 | 7.67 | 1.55 | 7.42 | 1.5 | 6.91 | 1.4 | |
| 50% | -13.7 | -15 | 7.44 | 3.31 | 7.02 | 3.09 | 6.6 | 2.87 | 6.35 | 2.77 | 6.14 | 2.66 | 5.72 | 2.46 |
| | -11.8 | -13 | 7.44 | 3.14 | 7.02 | 2.93 | 6.6 | 2.73 | 6.35 | 2.63 | 6.14 | 2.53 | 5.72 | 2.34 |
| | -9.8 | -11 | 7.44 | 2.97 | 7.02 | 2.78 | 6.6 | 2.59 | 6.35 | 2.5 | 6.14 | 2.41 | 5.72 | 2.23 |
| | -9.5 | -10 | 7.44 | 2.89 | 7.02 | 2.7 | 6.6 | 2.52 | 6.35 | 2.43 | 6.14 | 2.34 | 5.72 | 2.17 |
| | -8.5 | -9.1 | 7.44 | 2.82 | 7.02 | 2.64 | 6.6 | 2.46 | 6.35 | 2.37 | 6.14 | 2.29 | 5.72 | 2.12 |
| | -7 | -7.6 | 7.44 | 2.7 | 7.02 | 2.53 | 6.6 | 2.36 | 6.35 | 2.28 | 6.14 | 2.2 | 5.72 | 2.04 |
| | -5 | -5.6 | 7.44 | 2.55 | 7.02 | 2.39 | 6.6 | 2.24 | 6.35 | 2.16 | 6.14 | 2.08 | 5.72 | 1.93 |
| | -3 | -3.7 | 7.44 | 2.42 | 7.02 | 2.27 | 6.6 | 2.12 | 6.35 | 2.05 | 6.14 | 1.97 | 5.72 | 1.83 |
| | 0 | -0.7 | 7.44 | 2.22 | 7.02 | 2.08 | 6.6 | 1.95 | 6.35 | 1.88 | 6.14 | 1.82 | 5.72 | 1.69 |
| | 3 | 2.2 | 7.44 | 2.04 | 7.02 | 1.92 | 6.6 | 1.8 | 6.35 | 1.74 | 6.14 | 1.68 | 5.72 | 1.57 |
| | 5 | 4.1 | 7.44 | 1.94 | 7.02 | 1.82 | 6.6 | 1.71 | 6.35 | 1.65 | 6.14 | 1.6 | 5.72 | 1.49 |
| | 7 | 6 | 7.44 | 1.84 | 7.02 | 1.73 | 6.6 | 1.63 | 6.35 | 1.57 | 6.14 | 1.52 | 5.72 | 1.42 |
| | 9 | 7.9 | 7.44 | 1.74 | 7.02 | 1.64 | 6.6 | 1.55 | 6.35 | 1.5 | 6.14 | 1.45 | 5.72 | 1.36 |
| | 11 | 9.8 | 7.44 | 1.66 | 7.02 | 1.56 | 6.6 | 1.47 | 6.35 | 1.43 | 6.14 | 1.38 | 5.72 | 1.29 |
| | 13 | 11.8 | 7.44 | 1.58 | 7.02 | 1.49 | 6.6 | 1.4 | 6.35 | 1.36 | 6.14 | 1.32 | 5.72 | 1.23 |
| 15 | 13.7 | 7.44 | 1.5 | 7.02 | 1.42 | 6.6 | 1.34 | 6.35 | 1.3 | 6.14 | 1.26 | 5.72 | 1.18 | |

Note:

1. [] is tested under our standard condition.
2. In heating mode, avoid running the unit when the outdoor air temperature is below -15 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V140W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|---------------|-------|---------------|-------|-------------|-------|---------------|-------|---------------|-------|-------------|------|
| | | DB:20.8,WB:14 | | DB:23.3,WB:16 | | DB:25.8,WB:18 | | DB:27,WB:19 | | DB:28.2,WB:20 | | DB:30.7,WB:22 | | DB:32,WB:24 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -5 | 12.3 | 1.61 | 14.65 | 1.97 | 17 | 2.11 | 17.65 | 2.2 | 18.5 | 2.26 | 18.95 | 2.46 | 19.43 | 2.47 |
| | -2 | 12.3 | 1.61 | 14.65 | 2.01 | 17 | 2.11 | 17.65 | 2.21 | 18.5 | 2.26 | 18.95 | 2.49 | 19.43 | 2.5 |
| | 0 | 12.3 | 1.64 | 14.65 | 2.04 | 17 | 2.19 | 17.65 | 2.33 | 18.5 | 2.39 | 18.95 | 2.52 | 19.43 | 2.53 |
| | 2 | 12.3 | 1.67 | 14.65 | 2.05 | 17 | 2.26 | 17.65 | 2.46 | 18.5 | 2.42 | 18.95 | 2.54 | 19.43 | 2.57 |
| | 4 | 12.3 | 1.71 | 14.65 | 2.09 | 17 | 2.34 | 17.65 | 2.47 | 18.5 | 2.45 | 18.95 | 2.54 | 19.43 | 2.62 |
| | 6 | 12.3 | 1.74 | 14.65 | 2.13 | 17 | 2.43 | 17.65 | 2.5 | 18.29 | 2.53 | 18.72 | 2.54 | 19.21 | 2.64 |
| | 8 | 12.3 | 1.78 | 14.65 | 2.18 | 17 | 2.55 | 17.65 | 2.62 | 18.07 | 2.61 | 18.51 | 3.9 | 18.97 | 2.66 |
| | 10 | 12.3 | 1.82 | 14.65 | 2.23 | 17 | 2.65 | 17.65 | 2.7 | 17.85 | 4.04 | 18.3 | 4.06 | 18.75 | 2.74 |
| | 12 | 12.3 | 1.85 | 14.65 | 2.27 | 17 | 2.7 | 17.4 | 4.03 | 17.65 | 4.06 | 18.05 | 4.07 | 18.5 | 2.76 |
| | 14 | 12.3 | 1.89 | 14.65 | 2.31 | 16.95 | 4.05 | 17.2 | 4.06 | 17.4 | 4.08 | 17.85 | 4.09 | 18.3 | 2.82 |
| | 16 | 12.3 | 1.92 | 14.65 | 2.36 | 16.75 | 4.06 | 16.95 | 4.08 | 17.15 | 4.1 | 17.6 | 4.12 | 18.05 | 2.86 |
| | 18 | 12.3 | 1.96 | 14.65 | 2.41 | 16.5 | 2.82 | 16.7 | 2.84 | 16.95 | 2.85 | 17.4 | 2.88 | 17.85 | 2.91 |
| | 20 | 12.3 | 2 | 14.65 | 2.56 | 16.25 | 2.96 | 16.5 | 2.98 | 16.7 | 2.99 | 17.15 | 3.02 | 17.6 | 3.05 |
| | 21 | 12.3 | 2.05 | 14.65 | 2.65 | 16.15 | 3.03 | 16.4 | 3.05 | 16.6 | 3.06 | 17.05 | 3.09 | 17.5 | 3.12 |
| | 23 | 12.3 | 2.2 | 14.65 | 2.84 | 15.95 | 3.17 | 16.15 | 3.18 | 16.35 | 3.2 | 16.8 | 3.23 | 17.25 | 3.26 |
| | 25 | 12.3 | 2.35 | 14.65 | 3.05 | 15.7 | 3.31 | 15.9 | 3.32 | 16.15 | 3.34 | 16.6 | 3.38 | 17.05 | 3.41 |
| | 27 | 12.3 | 2.51 | 14.65 | 3.26 | 15.5 | 3.44 | 15.7 | 3.47 | 15.9 | 3.48 | 16.35 | 3.52 | 16.8 | 3.56 |
| | 29 | 12.3 | 2.68 | 14.65 | 3.48 | 15.25 | 3.58 | 15.45 | 3.6 | 15.7 | 3.63 | 16.15 | 3.66 | 16.6 | 3.7 |
| | 31 | 12.3 | 2.86 | 14.6 | 3.68 | 15 | 3.73 | 15.25 | 3.75 | 15.45 | 3.76 | 15.9 | 3.81 | 16.35 | 3.85 |
| | 33 | 12.3 | 3.05 | 14.35 | 3.82 | 14.8 | 3.86 | 15 | 3.89 | 15.25 | 3.91 | 15.7 | 3.95 | 16.1 | 3.99 |
| 35 | 12.3 | 3.25 | 14.1 | 3.96 | 14.55 | 4.01 | 14.8 | 4.03 | 15 | 4.05 | 15.45 | 4.1 | 15.9 | 4.14 | |
| 37 | 12.3 | 3.46 | 13.9 | 4.1 | 14.35 | 4.15 | 14.55 | 4.17 | 14.8 | 4.2 | 15.2 | 4.25 | 15.65 | 4.3 | |
| 39 | 12.3 | 3.68 | 13.65 | 4.15 | 14.1 | 4.29 | 14.35 | 4.32 | 14.55 | 4.34 | 15 | 4.39 | 15.45 | 4.45 | |
| 41 | 12.3 | 3.88 | 13.51 | 4.19 | 13.95 | 4.33 | 14.2 | 4.36 | 14.4 | 4.38 | 14.85 | 4.4 | 14.86 | 4.49 | |
| 43 | 12.3 | 3.98 | 13.41 | 4.21 | 13.88 | 4.34 | 14.13 | 4.38 | 14.25 | 4.39 | 14.58 | 4.41 | 14.68 | 4.5 | |
| 120% | -5 | 11.35 | 1.56 | 13.5 | 1.89 | 15.7 | 2.23 | 16.8 | 2.44 | 17.6 | 2.54 | 18 | 2.62 | 18.4 | 2.69 |
| | -2 | 11.35 | 1.57 | 13.5 | 1.91 | 15.7 | 2.26 | 16.8 | 2.45 | 17.6 | 2.57 | 18 | 2.64 | 18.4 | 2.7 |
| | 0 | 11.35 | 1.59 | 13.5 | 1.92 | 15.7 | 2.28 | 16.8 | 2.46 | 17.6 | 2.59 | 18 | 2.66 | 18.4 | 2.71 |
| | 2 | 11.35 | 1.59 | 13.5 | 1.94 | 15.7 | 2.3 | 16.8 | 2.48 | 17.6 | 2.6 | 18 | 2.68 | 18.4 | 2.71 |
| | 4 | 11.35 | 1.61 | 13.5 | 1.97 | 15.7 | 2.33 | 16.8 | 2.5 | 17.6 | 2.64 | 18 | 2.68 | 18.4 | 2.72 |
| | 6 | 11.35 | 1.63 | 13.5 | 1.98 | 15.7 | 2.36 | 16.8 | 2.53 | 17.6 | 2.67 | 18 | 2.71 | 18.4 | 2.73 |
| | 8 | 11.35 | 1.64 | 13.5 | 2 | 15.7 | 2.39 | 16.8 | 2.56 | 17.6 | 2.69 | 18 | 2.71 | 18.4 | 2.74 |
| | 10 | 11.35 | 1.66 | 13.5 | 2.03 | 15.7 | 2.41 | 16.8 | 2.61 | 17.6 | 2.69 | 18 | 2.72 | 18.4 | 2.75 |
| | 12 | 11.35 | 1.69 | 13.5 | 2.07 | 15.7 | 2.46 | 16.8 | 2.66 | 17.35 | 2.71 | 17.75 | 2.71 | 18.15 | 2.77 |
| | 14 | 11.35 | 1.73 | 13.5 | 2.11 | 15.7 | 2.51 | 16.8 | 2.71 | 17.1 | 2.72 | 17.55 | 2.75 | 17.95 | 2.8 |
| | 16 | 11.35 | 1.76 | 13.5 | 2.15 | 15.7 | 2.56 | 16.7 | 4.1 | 16.9 | 2.76 | 17.3 | 2.79 | 17.7 | 2.84 |
| | 18 | 11.35 | 1.79 | 13.5 | 2.19 | 15.7 | 2.64 | 16.45 | 2.82 | 16.65 | 2.83 | 17.05 | 2.86 | 17.5 | 2.89 |
| | 20 | 11.35 | 1.83 | 13.5 | 2.28 | 15.7 | 2.84 | 16.25 | 2.96 | 16.45 | 2.97 | 16.85 | 3 | 17.25 | 3.02 |
| | 21 | 11.35 | 1.84 | 13.5 | 2.36 | 15.7 | 2.94 | 16.1 | 3.03 | 16.3 | 3.04 | 16.75 | 3.07 | 17.15 | 3.1 |
| | 23 | 11.35 | 1.97 | 13.5 | 2.53 | 15.7 | 3.15 | 15.9 | 3.16 | 16.1 | 3.18 | 16.5 | 3.21 | 16.9 | 3.24 |
| | 25 | 11.35 | 2.1 | 13.5 | 2.7 | 15.45 | 3.29 | 15.65 | 3.3 | 15.85 | 3.32 | 16.3 | 3.35 | 16.7 | 3.38 |
| | 27 | 11.35 | 2.25 | 13.5 | 2.89 | 15.25 | 3.42 | 15.45 | 3.44 | 15.65 | 3.46 | 16.05 | 3.49 | 16.45 | 3.52 |
| | 29 | 11.35 | 2.4 | 13.5 | 3.09 | 15 | 3.56 | 15.2 | 3.58 | 15.4 | 3.6 | 15.8 | 3.64 | 16.25 | 3.67 |
| | 31 | 11.35 | 2.56 | 13.5 | 3.3 | 14.75 | 3.71 | 15 | 3.72 | 15.2 | 3.74 | 15.6 | 3.78 | 16 | 3.82 |
| | 33 | 11.35 | 2.72 | 13.5 | 3.51 | 14.55 | 3.84 | 14.75 | 3.86 | 14.95 | 3.88 | 15.35 | 3.92 | 15.75 | 3.96 |
| 35 | 11.35 | 2.9 | 13.5 | 3.75 | 14.3 | 3.98 | 14.5 | 4 | 14.75 | 4.02 | 15.15 | 4.07 | 15.55 | 4.11 | |
| 37 | 11.35 | 3.08 | 13.5 | 3.99 | 14.1 | 4.13 | 14.3 | 4.15 | 14.5 | 4.17 | 14.9 | 4.21 | 15.3 | 4.26 | |
| 39 | 11.35 | 3.28 | 13.45 | 4.22 | 13.85 | 4.26 | 14.05 | 4.29 | 14.25 | 4.31 | 14.7 | 4.36 | 15.1 | 4.4 | |
| 41 | 11.35 | 3.37 | 13.34 | 4.25 | 13.74 | 4.29 | 13.94 | 4.32 | 14.14 | 4.34 | 14.59 | 4.37 | 14.67 | 4.44 | |
| 43 | 11.35 | 3.42 | 13.27 | 4.28 | 13.63 | 4.32 | 13.83 | 4.34 | 14.03 | 4.36 | 14.34 | 4.38 | 14.44 | 4.52 | |

MDV-V140W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|-------------|-------|--------------|-------|--------------|-------|-------------|------|
| | | DB:20.8,WB: | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:19 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:24 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 110% | -5 | 10.4 | 1.36 | 12.4 | 1.7 | 14.4 | 2.02 | 15.4 | 2.17 | 16.4 | 2.34 | 17.65 | 2.43 | 18.05 | 2.5 |
| | -2 | 10.4 | 1.39 | 12.4 | 1.72 | 14.4 | 2.04 | 15.4 | 2.19 | 16.4 | 2.35 | 17.65 | 2.45 | 18.05 | 2.51 |
| | 0 | 10.4 | 1.4 | 12.4 | 1.73 | 14.4 | 2.06 | 15.4 | 2.21 | 16.4 | 2.38 | 17.65 | 2.47 | 18.05 | 2.55 |
| | 2 | 10.4 | 1.43 | 12.4 | 1.74 | 14.4 | 2.09 | 15.4 | 2.23 | 16.4 | 2.41 | 17.65 | 2.51 | 18.05 | 2.58 |
| | 4 | 10.4 | 1.46 | 12.4 | 1.76 | 14.4 | 2.11 | 15.4 | 2.26 | 16.4 | 2.44 | 17.65 | 2.55 | 18.05 | 2.6 |
| | 6 | 10.4 | 1.48 | 12.4 | 1.78 | 14.4 | 2.13 | 15.4 | 2.29 | 16.4 | 2.47 | 17.65 | 2.57 | 18.05 | 2.64 |
| | 8 | 10.4 | 1.49 | 12.4 | 1.81 | 14.4 | 2.15 | 15.4 | 2.32 | 16.4 | 2.5 | 17.65 | 2.59 | 18.05 | 2.67 |
| | 10 | 10.4 | 1.51 | 12.4 | 1.84 | 14.4 | 2.18 | 15.4 | 2.36 | 16.4 | 2.54 | 17.65 | 2.61 | 18.05 | 2.69 |
| | 12 | 10.4 | 1.54 | 12.4 | 1.87 | 14.4 | 2.23 | 15.4 | 2.41 | 16.4 | 2.59 | 17.45 | 2.65 | 17.8 | 2.73 |
| | 14 | 10.4 | 1.57 | 12.4 | 1.91 | 14.4 | 2.27 | 15.4 | 2.45 | 16.4 | 2.64 | 17.2 | 2.67 | 17.6 | 2.75 |
| | 16 | 10.4 | 1.59 | 12.4 | 1.94 | 14.4 | 2.31 | 15.4 | 2.5 | 16.4 | 2.69 | 17 | 2.7 | 17.35 | 2.78 |
| | 18 | 10.4 | 1.62 | 12.4 | 1.98 | 14.4 | 2.36 | 15.4 | 2.57 | 16.4 | 2.82 | 16.75 | 2.84 | 17.15 | 2.86 |
| | 20 | 10.4 | 1.66 | 12.4 | 2.02 | 14.4 | 2.5 | 15.4 | 2.76 | 16.15 | 2.95 | 16.55 | 2.98 | 16.9 | 3 |
| | 21 | 10.4 | 1.67 | 12.4 | 2.08 | 14.4 | 2.59 | 15.4 | 2.86 | 16.05 | 3.02 | 16.4 | 3.05 | 16.8 | 3.07 |
| | 23 | 10.4 | 1.75 | 12.4 | 2.23 | 14.4 | 2.77 | 15.4 | 3.07 | 15.8 | 3.16 | 16.2 | 3.19 | 16.55 | 3.22 |
| | 25 | 10.4 | 1.87 | 12.4 | 2.38 | 14.4 | 2.97 | 15.4 | 3.28 | 15.6 | 3.3 | 15.95 | 3.33 | 16.35 | 3.35 |
| | 27 | 10.4 | 1.99 | 12.4 | 2.55 | 14.4 | 3.17 | 15.15 | 3.42 | 15.35 | 3.43 | 15.75 | 3.47 | 16.1 | 3.5 |
| | 29 | 10.4 | 2.12 | 12.4 | 2.72 | 14.4 | 3.39 | 14.95 | 3.56 | 15.15 | 3.58 | 15.5 | 3.61 | 15.9 | 3.64 |
| | 31 | 10.4 | 2.26 | 12.4 | 2.9 | 14.4 | 3.62 | 14.7 | 3.7 | 14.9 | 3.72 | 15.3 | 3.75 | 15.65 | 3.79 |
| | 33 | 10.4 | 2.41 | 12.4 | 3.09 | 14.3 | 3.82 | 14.5 | 3.84 | 14.7 | 3.85 | 15.05 | 3.89 | 15.45 | 3.93 |
| 35 | 10.4 | 2.56 | 12.4 | 3.3 | 14.05 | 3.96 | 14.25 | 3.98 | 14.45 | 4 | 14.8 | 4.04 | 15.2 | 4.07 | |
| 37 | 10.4 | 2.73 | 12.4 | 3.51 | 13.85 | 4.1 | 14.05 | 4.12 | 14.2 | 4.14 | 14.6 | 4.18 | 14.95 | 4.22 | |
| 39 | 10.4 | 2.9 | 12.4 | 3.74 | 13.6 | 4.24 | 13.8 | 4.26 | 14 | 4.28 | 14.35 | 4.32 | 14.75 | 4.37 | |
| 41 | 10.4 | 2.93 | 12.4 | 3.77 | 13.49 | 4.27 | 13.69 | 4.29 | 13.89 | 4.31 | 14.17 | 4.35 | 14.31 | 4.4 | |
| 43 | 10.4 | 2.96 | 12.4 | 3.82 | 13.39 | 4.3 | 13.59 | 4.32 | 13.79 | 4.34 | 14.04 | 4.37 | 14.09 | 4.48 | |
| 100% | -5 | 9.45 | 1.24 | 11.25 | 1.49 | 13.1 | 1.78 | 14 | 1.9 | 14.9 | 2.07 | 16.75 | 2.35 | 17.7 | 2.46 |
| | -2 | 9.45 | 1.26 | 11.25 | 1.51 | 13.1 | 1.8 | 14 | 1.94 | 14.9 | 2.09 | 16.75 | 2.38 | 17.7 | 2.47 |
| | 0 | 9.45 | 1.27 | 11.25 | 1.53 | 13.1 | 1.82 | 14 | 1.96 | 14.9 | 2.11 | 16.75 | 2.42 | 17.7 | 2.5 |
| | 2 | 9.45 | 1.29 | 11.25 | 1.55 | 13.1 | 1.84 | 14 | 1.99 | 14.9 | 2.14 | 16.75 | 2.46 | 17.7 | 2.54 |
| | 4 | 9.45 | 1.3 | 11.25 | 1.56 | 13.1 | 1.86 | 14 | 2.02 | 14.9 | 2.16 | 16.75 | 2.48 | 17.7 | 2.57 |
| | 6 | 9.45 | 1.32 | 11.25 | 1.6 | 13.1 | 1.89 | 14 | 2.05 | 14.9 | 2.2 | 16.75 | 2.52 | 17.7 | 2.61 |
| | 8 | 9.45 | 1.35 | 11.25 | 1.62 | 13.1 | 1.92 | 14 | 2.08 | 14.9 | 2.23 | 16.75 | 2.56 | 17.7 | 2.65 |
| | 10 | 9.45 | 1.36 | 11.25 | 1.65 | 13.1 | 1.95 | 14 | 2.11 | 14.9 | 2.27 | 16.75 | 2.6 | 17.7 | 2.69 |
| | 12 | 9.45 | 1.38 | 11.25 | 1.68 | 13.1 | 1.99 | 14 | 2.15 | 14.9 | 2.32 | 16.75 | 2.65 | 17.45 | 2.71 |
| | 14 | 9.45 | 1.41 | 11.25 | 1.71 | 13.1 | 2.03 | 14 | 2.19 | 14.9 | 2.36 | 16.75 | 2.7 | 17.25 | 2.74 |
| | 16 | 9.45 | 1.44 | 11.25 | 1.75 | 13.1 | 2.07 | 14 | 2.24 | 14.9 | 2.41 | 16.65 | 2.73 | 17 | 2.77 |
| | 18 | 9.45 | 1.46 | 11.25 | 1.78 | 13.1 | 2.11 | 14 | 2.28 | 14.9 | 2.45 | 16.45 | 2.82 | 16.8 | 2.84 |
| | 20 | 9.45 | 1.49 | 11.25 | 1.82 | 13.1 | 2.17 | 14 | 2.4 | 14.9 | 2.63 | 16.2 | 2.95 | 16.55 | 2.98 |
| | 21 | 9.45 | 1.51 | 11.25 | 1.83 | 13.1 | 2.25 | 14 | 2.48 | 14.9 | 2.72 | 16.1 | 3.02 | 16.45 | 3.05 |
| | 23 | 9.45 | 1.54 | 11.25 | 1.95 | 13.1 | 2.41 | 14 | 2.66 | 14.9 | 2.92 | 15.9 | 3.16 | 16.2 | 3.19 |
| | 25 | 9.45 | 1.64 | 11.25 | 2.09 | 13.1 | 2.58 | 14 | 2.85 | 14.9 | 3.12 | 15.65 | 3.3 | 16 | 3.33 |
| | 27 | 9.45 | 1.76 | 11.25 | 2.23 | 13.1 | 2.76 | 14 | 3.05 | 14.9 | 3.34 | 15.4 | 3.44 | 15.75 | 3.47 |
| | 29 | 9.45 | 1.87 | 11.25 | 2.37 | 13.1 | 2.94 | 14 | 3.25 | 14.85 | 3.55 | 15.2 | 3.58 | 15.55 | 3.61 |
| | 31 | 9.45 | 1.99 | 11.25 | 2.53 | 13.1 | 3.14 | 14 | 3.47 | 14.65 | 3.69 | 14.95 | 3.72 | 15.3 | 3.75 |
| | 33 | 9.45 | 2.11 | 11.25 | 2.7 | 13.1 | 3.35 | 14 | 3.71 | 14.4 | 3.83 | 14.75 | 3.86 | 15.1 | 3.9 |
| 35 | 9.45 | 2.25 | 11.25 | 2.87 | 13.1 | 3.57 | 14 | 3.95 | 14.15 | 3.97 | 14.5 | 4 | 14.85 | 4.04 | |
| 37 | 9.45 | 2.39 | 11.25 | 3.06 | 13.1 | 3.81 | 13.75 | 4.09 | 13.95 | 4.11 | 14.3 | 4.15 | 14.6 | 4.18 | |
| 39 | 9.45 | 2.54 | 11.25 | 3.25 | 13.1 | 4.05 | 13.55 | 4.23 | 13.7 | 4.25 | 14.05 | 4.29 | 14.4 | 4.33 | |
| 41 | 9.45 | 2.66 | 11.25 | 3.37 | 13.1 | 4.2 | 13.34 | 4.26 | 13.59 | 4.31 | 13.81 | 4.39 | 14.19 | 4.42 | |
| 43 | 9.45 | 2.78 | 11.25 | 3.48 | 13.1 | 4.28 | 13.13 | 4.31 | 13.5 | 4.36 | 13.89 | 4.41 | 13.94 | 4.47 | |

MDV-V140W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|------|------------|-------|--------------|-------|--------------|-------|-------------|------|
| | | DB:20.8,WB: | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:24 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 90% | -5 | 8.5 | 1.1 | 10.15 | 1.32 | 11.8 | 1.55 | 12.6 | 1.69 | 13.4 | 1.8 | 15.05 | 2.07 | 16.7 | 2.37 |
| | -2 | 8.5 | 1.11 | 10.15 | 1.33 | 11.8 | 1.57 | 12.6 | 1.72 | 13.4 | 1.82 | 15.05 | 2.09 | 16.7 | 2.4 |
| | 0 | 8.5 | 1.12 | 10.15 | 1.35 | 11.8 | 1.6 | 12.6 | 1.74 | 13.4 | 1.85 | 15.05 | 2.12 | 16.7 | 2.41 |
| | 2 | 8.5 | 1.14 | 10.15 | 1.36 | 11.8 | 1.61 | 12.6 | 1.77 | 13.4 | 1.88 | 15.05 | 2.16 | 16.7 | 2.45 |
| | 4 | 8.5 | 1.16 | 10.15 | 1.38 | 11.8 | 1.64 | 12.6 | 1.79 | 13.4 | 1.9 | 15.05 | 2.19 | 16.7 | 2.49 |
| | 6 | 8.5 | 1.17 | 10.15 | 1.41 | 11.8 | 1.67 | 12.6 | 1.82 | 13.4 | 1.93 | 15.05 | 2.23 | 16.7 | 2.53 |
| | 8 | 8.5 | 1.2 | 10.15 | 1.44 | 11.8 | 1.7 | 12.6 | 1.85 | 13.4 | 1.97 | 15.05 | 2.27 | 16.7 | 2.55 |
| | 10 | 8.5 | 1.22 | 10.15 | 1.47 | 11.8 | 1.74 | 12.6 | 1.87 | 13.4 | 2.01 | 15.05 | 2.3 | 16.7 | 2.59 |
| | 12 | 8.5 | 1.24 | 10.15 | 1.5 | 11.8 | 1.77 | 12.6 | 1.91 | 13.4 | 2.05 | 15.05 | 2.34 | 16.7 | 2.64 |
| | 14 | 8.5 | 1.26 | 10.15 | 1.52 | 11.8 | 1.8 | 12.6 | 1.94 | 13.4 | 2.09 | 15.05 | 2.38 | 16.7 | 2.69 |
| | 16 | 8.5 | 1.28 | 10.15 | 1.55 | 11.8 | 1.84 | 12.6 | 1.98 | 13.4 | 2.13 | 15.05 | 2.43 | 16.65 | 2.74 |
| | 18 | 8.5 | 1.3 | 10.15 | 1.58 | 11.8 | 1.87 | 12.6 | 2.02 | 13.4 | 2.17 | 15.05 | 2.48 | 16.45 | 2.82 |
| | 20 | 8.5 | 1.33 | 10.15 | 1.62 | 11.8 | 1.91 | 12.6 | 2.06 | 13.4 | 2.25 | 15.05 | 2.67 | 16.2 | 2.95 |
| | 21 | 8.5 | 1.34 | 10.15 | 1.63 | 11.8 | 1.94 | 12.6 | 2.13 | 13.4 | 2.33 | 15.05 | 2.76 | 16.1 | 3.02 |
| | 23 | 8.5 | 1.37 | 10.15 | 1.69 | 11.8 | 2.08 | 12.6 | 2.28 | 13.4 | 2.5 | 15.05 | 2.96 | 15.85 | 3.16 |
| | 25 | 8.5 | 1.44 | 10.15 | 1.81 | 11.8 | 2.22 | 12.6 | 2.44 | 13.4 | 2.67 | 15.05 | 3.17 | 15.65 | 3.3 |
| | 27 | 8.5 | 1.53 | 10.15 | 1.93 | 11.8 | 2.37 | 12.6 | 2.61 | 13.4 | 2.86 | 15.05 | 3.4 | 15.4 | 3.44 |
| | 29 | 8.5 | 1.63 | 10.15 | 2.05 | 11.8 | 2.53 | 12.6 | 2.78 | 13.4 | 3.06 | 14.9 | 3.55 | 15.2 | 3.58 |
| | 31 | 8.5 | 1.74 | 10.15 | 2.19 | 11.8 | 2.69 | 12.6 | 2.97 | 13.4 | 3.26 | 14.65 | 3.69 | 14.95 | 3.72 |
| | 33 | 8.5 | 1.84 | 10.15 | 2.33 | 11.8 | 2.87 | 12.6 | 3.17 | 13.4 | 3.48 | 14.45 | 3.83 | 14.75 | 3.86 |
| 35 | 8.5 | 1.96 | 10.15 | 2.48 | 11.8 | 3.06 | 12.6 | 3.37 | 13.4 | 3.7 | 14.2 | 3.97 | 14.5 | 4 | |
| 37 | 8.5 | 2.08 | 10.15 | 2.63 | 11.8 | 3.26 | 12.6 | 3.59 | 13.4 | 3.95 | 13.95 | 4.11 | 14.3 | 4.14 | |
| 39 | 8.5 | 2.2 | 10.15 | 2.8 | 11.8 | 3.47 | 12.6 | 3.83 | 13.4 | 4.21 | 13.75 | 4.25 | 14.05 | 4.29 | |
| 41 | 8.5 | 2.28 | 10.15 | 2.93 | 11.8 | 3.59 | 12.6 | 3.93 | 13.4 | 4.23 | 13.65 | 4.36 | 13.96 | 4.39 | |
| 43 | 8.5 | 2.39 | 10.15 | 3.05 | 11.8 | 3.72 | 12.6 | 4.03 | 13.4 | 4.32 | 13.58 | 4.42 | 13.84 | 4.45 | |
| 80% | -5 | 7.55 | 0.97 | 9 | 1.14 | 10.45 | 1.35 | 11.2 | 1.44 | 11.95 | 1.55 | 13.4 | 1.79 | 14.85 | 2.04 |
| | -2 | 7.55 | 0.98 | 9 | 1.16 | 10.45 | 1.36 | 11.2 | 1.46 | 11.95 | 1.56 | 13.4 | 1.81 | 14.85 | 2.06 |
| | 0 | 7.55 | 1 | 9 | 1.17 | 10.45 | 1.38 | 11.2 | 1.48 | 11.95 | 1.59 | 13.4 | 1.83 | 14.85 | 2.09 |
| | 2 | 7.55 | 1.02 | 9 | 1.19 | 10.45 | 1.4 | 11.2 | 1.51 | 11.95 | 1.62 | 13.4 | 1.87 | 14.85 | 2.13 |
| | 4 | 7.55 | 1.03 | 9 | 1.21 | 10.45 | 1.43 | 11.2 | 1.54 | 11.95 | 1.65 | 13.4 | 1.9 | 14.85 | 2.16 |
| | 6 | 7.55 | 1.05 | 9 | 1.24 | 10.45 | 1.45 | 11.2 | 1.57 | 11.95 | 1.68 | 13.4 | 1.93 | 14.85 | 2.2 |
| | 8 | 7.55 | 1.07 | 9 | 1.27 | 10.45 | 1.48 | 11.2 | 1.6 | 11.95 | 1.72 | 13.4 | 1.96 | 14.85 | 2.24 |
| | 10 | 7.55 | 1.08 | 9 | 1.29 | 10.45 | 1.52 | 11.2 | 1.64 | 11.95 | 1.76 | 13.4 | 2.01 | 14.85 | 2.26 |
| | 12 | 7.55 | 1.1 | 9 | 1.31 | 10.45 | 1.55 | 11.2 | 1.67 | 11.95 | 1.79 | 13.4 | 2.04 | 14.85 | 2.31 |
| | 14 | 7.55 | 1.12 | 9 | 1.34 | 10.45 | 1.58 | 11.2 | 1.7 | 11.95 | 1.83 | 13.4 | 2.08 | 14.85 | 2.35 |
| | 16 | 7.55 | 1.13 | 9 | 1.36 | 10.45 | 1.61 | 11.2 | 1.73 | 11.95 | 1.86 | 13.4 | 2.12 | 14.85 | 2.39 |
| | 18 | 7.55 | 1.16 | 9 | 1.39 | 10.45 | 1.64 | 11.2 | 1.77 | 11.95 | 1.9 | 13.4 | 2.17 | 14.85 | 2.44 |
| | 20 | 7.55 | 1.18 | 9 | 1.42 | 10.45 | 1.67 | 11.2 | 1.8 | 11.95 | 1.93 | 13.4 | 2.25 | 14.85 | 2.61 |
| | 21 | 7.55 | 1.19 | 9 | 1.43 | 10.45 | 1.69 | 11.2 | 1.82 | 11.95 | 1.98 | 13.4 | 2.33 | 14.85 | 2.7 |
| | 23 | 7.55 | 1.21 | 9 | 1.46 | 10.45 | 1.77 | 11.2 | 1.94 | 11.95 | 2.11 | 13.4 | 2.49 | 14.85 | 2.9 |
| | 25 | 7.55 | 1.25 | 9 | 1.55 | 10.45 | 1.89 | 11.2 | 2.07 | 11.95 | 2.26 | 13.4 | 2.67 | 14.85 | 3.1 |
| | 27 | 7.55 | 1.33 | 9 | 1.65 | 10.45 | 2.01 | 11.2 | 2.21 | 11.95 | 2.41 | 13.4 | 2.85 | 14.85 | 3.32 |
| | 29 | 7.55 | 1.41 | 9 | 1.76 | 10.45 | 2.15 | 11.2 | 2.35 | 11.95 | 2.58 | 13.4 | 3.04 | 14.85 | 3.55 |
| | 31 | 7.55 | 1.5 | 9 | 1.87 | 10.45 | 2.28 | 11.2 | 2.51 | 11.95 | 2.75 | 13.4 | 3.25 | 14.6 | 3.69 |
| | 33 | 7.55 | 1.59 | 9 | 1.99 | 10.45 | 2.43 | 11.2 | 2.67 | 11.95 | 2.92 | 13.4 | 3.46 | 14.4 | 3.83 |
| 35 | 7.55 | 1.69 | 9 | 2.11 | 10.45 | 2.59 | 11.2 | 2.84 | 11.95 | 3.11 | 13.4 | 3.69 | 14.15 | 3.97 | |
| 37 | 7.55 | 1.79 | 9 | 2.24 | 10.45 | 2.75 | 11.2 | 3.03 | 11.95 | 3.32 | 13.4 | 3.93 | 13.95 | 4.1 | |
| 39 | 7.55 | 1.9 | 9 | 2.39 | 10.45 | 2.93 | 11.2 | 3.22 | 11.95 | 3.53 | 13.4 | 4.19 | 13.7 | 4.25 | |
| 41 | 7.55 | 1.94 | 9 | 2.41 | 10.45 | 2.97 | 11.2 | 3.31 | 11.95 | 3.59 | 13.4 | 4.3 | 13.62 | 4.32 | |
| 43 | 7.55 | 1.99 | 9 | 2.43 | 10.45 | 3.01 | 11.2 | 3.36 | 11.95 | 3.64 | 13.4 | 4.35 | 13.53 | 4.37 | |

MDV-V140W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|------|--------------|------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -5 | 6.6 | 0.86 | 7.9 | 1.01 | 9.15 | 1.15 | 9.8 | 1.23 | 10.45 | 1.31 | 11.7 | 1.5 | 13 | 1.73 |
| | -2 | 6.6 | 0.87 | 7.9 | 1.02 | 9.15 | 1.15 | 9.8 | 1.25 | 10.45 | 1.34 | 11.7 | 1.52 | 13 | 1.75 |
| | 0 | 6.6 | 0.87 | 7.9 | 1.03 | 9.15 | 1.18 | 9.8 | 1.28 | 10.45 | 1.36 | 11.7 | 1.56 | 13 | 1.77 |
| | 2 | 6.6 | 0.88 | 7.9 | 1.04 | 9.15 | 1.2 | 9.8 | 1.3 | 10.45 | 1.38 | 11.7 | 1.59 | 13 | 1.8 |
| | 4 | 6.6 | 0.89 | 7.9 | 1.06 | 9.15 | 1.22 | 9.8 | 1.32 | 10.45 | 1.41 | 11.7 | 1.61 | 13 | 1.84 |
| | 6 | 6.6 | 0.91 | 7.9 | 1.08 | 9.15 | 1.25 | 9.8 | 1.37 | 10.45 | 1.45 | 11.7 | 1.64 | 13 | 1.88 |
| | 8 | 6.6 | 0.92 | 7.9 | 1.11 | 9.15 | 1.28 | 9.8 | 1.39 | 10.45 | 1.48 | 11.7 | 1.69 | 13 | 1.91 |
| | 10 | 6.6 | 0.94 | 7.9 | 1.13 | 9.15 | 1.31 | 9.8 | 1.42 | 10.45 | 1.52 | 11.7 | 1.72 | 13 | 1.94 |
| | 12 | 6.6 | 0.96 | 7.9 | 1.14 | 9.15 | 1.34 | 9.8 | 1.44 | 10.45 | 1.54 | 11.7 | 1.76 | 13 | 1.98 |
| | 14 | 6.6 | 0.98 | 7.9 | 1.17 | 9.15 | 1.36 | 9.8 | 1.46 | 10.45 | 1.57 | 11.7 | 1.79 | 13 | 2.01 |
| | 16 | 6.6 | 1 | 7.9 | 1.19 | 9.15 | 1.39 | 9.8 | 1.5 | 10.45 | 1.6 | 11.7 | 1.82 | 13 | 2.05 |
| | 18 | 6.6 | 1.01 | 7.9 | 1.21 | 9.15 | 1.42 | 9.8 | 1.52 | 10.45 | 1.63 | 11.7 | 1.86 | 13 | 2.09 |
| | 20 | 6.6 | 1.03 | 7.9 | 1.23 | 9.15 | 1.44 | 9.8 | 1.55 | 10.45 | 1.66 | 11.7 | 1.9 | 13 | 2.15 |
| | 21 | 6.6 | 1.04 | 7.9 | 1.24 | 9.15 | 1.45 | 9.8 | 1.57 | 10.45 | 1.68 | 11.7 | 1.92 | 13 | 2.23 |
| | 23 | 6.6 | 1.05 | 7.9 | 1.26 | 9.15 | 1.49 | 9.8 | 1.62 | 10.45 | 1.76 | 11.7 | 2.06 | 13 | 2.38 |
| | 25 | 6.6 | 1.08 | 7.9 | 1.31 | 9.15 | 1.58 | 9.8 | 1.73 | 10.45 | 1.88 | 11.7 | 2.2 | 13 | 2.55 |
| | 27 | 6.6 | 1.14 | 7.9 | 1.4 | 9.15 | 1.69 | 9.8 | 1.84 | 10.45 | 2.01 | 11.7 | 2.35 | 13 | 2.73 |
| | 29 | 6.6 | 1.21 | 7.9 | 1.49 | 9.15 | 1.79 | 9.8 | 1.96 | 10.45 | 2.13 | 11.7 | 2.51 | 13 | 2.91 |
| | 31 | 6.6 | 1.28 | 7.9 | 1.58 | 9.15 | 1.91 | 9.8 | 2.09 | 10.45 | 2.27 | 11.7 | 2.67 | 13 | 3.1 |
| | 33 | 6.6 | 1.36 | 7.9 | 1.68 | 9.15 | 2.03 | 9.8 | 2.22 | 10.45 | 2.42 | 11.7 | 2.85 | 13 | 3.31 |
| 35 | 6.6 | 1.44 | 7.9 | 1.78 | 9.15 | 2.16 | 9.8 | 2.36 | 10.45 | 2.58 | 11.7 | 3.03 | 13 | 3.53 | |
| 37 | 6.6 | 1.52 | 7.9 | 1.88 | 9.15 | 2.29 | 9.8 | 2.51 | 10.45 | 2.74 | 11.7 | 3.23 | 13 | 3.76 | |
| 39 | 6.6 | 1.61 | 7.9 | 2 | 9.15 | 2.43 | 9.8 | 2.67 | 10.45 | 2.91 | 11.7 | 3.43 | 13 | 4 | |
| 41 | 6.6 | 1.68 | 7.9 | 2.07 | 9.15 | 2.5 | 9.8 | 2.76 | 10.45 | 3 | 11.7 | 3.58 | 13 | 4.18 | |
| 43 | 6.6 | 1.82 | 7.9 | 2.21 | 9.15 | 2.61 | 9.8 | 2.9 | 10.45 | 3.09 | 11.7 | 3.71 | 13 | 4.31 | |
| 60% | -5 | 5.65 | 0.74 | 6.75 | 0.85 | 7.85 | 0.99 | 8.4 | 1.06 | 8.95 | 1.14 | 10.05 | 1.29 | 11.15 | 1.47 |
| | -2 | 5.65 | 0.74 | 6.75 | 0.87 | 7.85 | 1.01 | 8.4 | 1.08 | 8.95 | 1.16 | 10.05 | 1.3 | 11.15 | 1.48 |
| | 0 | 5.65 | 0.75 | 6.75 | 0.88 | 7.85 | 1.03 | 8.4 | 1.09 | 8.95 | 1.18 | 10.05 | 1.32 | 11.15 | 1.5 |
| | 2 | 5.65 | 0.76 | 6.75 | 0.9 | 7.85 | 1.05 | 8.4 | 1.11 | 8.95 | 1.19 | 10.05 | 1.35 | 11.15 | 1.52 |
| | 4 | 5.65 | 0.79 | 6.75 | 0.92 | 7.85 | 1.07 | 8.4 | 1.12 | 8.95 | 1.21 | 10.05 | 1.37 | 11.15 | 1.54 |
| | 6 | 5.65 | 0.79 | 6.75 | 0.93 | 7.85 | 1.09 | 8.4 | 1.15 | 8.95 | 1.23 | 10.05 | 1.4 | 11.15 | 1.58 |
| | 8 | 5.65 | 0.81 | 6.75 | 0.95 | 7.85 | 1.11 | 8.4 | 1.17 | 8.95 | 1.26 | 10.05 | 1.43 | 11.15 | 1.61 |
| | 10 | 5.65 | 0.83 | 6.75 | 0.97 | 7.85 | 1.12 | 8.4 | 1.2 | 8.95 | 1.28 | 10.05 | 1.45 | 11.15 | 1.63 |
| | 12 | 5.65 | 0.84 | 6.75 | 0.98 | 7.85 | 1.14 | 8.4 | 1.22 | 8.95 | 1.3 | 10.05 | 1.48 | 11.15 | 1.66 |
| | 14 | 5.65 | 0.85 | 6.75 | 1 | 7.85 | 1.16 | 8.4 | 1.25 | 8.95 | 1.33 | 10.05 | 1.51 | 11.15 | 1.69 |
| | 16 | 5.65 | 0.86 | 6.75 | 1.02 | 7.85 | 1.18 | 8.4 | 1.27 | 8.95 | 1.35 | 10.05 | 1.53 | 11.15 | 1.72 |
| | 18 | 5.65 | 0.88 | 6.75 | 1.03 | 7.85 | 1.2 | 8.4 | 1.29 | 8.95 | 1.38 | 10.05 | 1.56 | 11.15 | 1.75 |
| | 20 | 5.65 | 0.89 | 6.75 | 1.05 | 7.85 | 1.22 | 8.4 | 1.31 | 8.95 | 1.41 | 10.05 | 1.59 | 11.15 | 1.79 |
| | 21 | 5.65 | 0.9 | 6.75 | 1.06 | 7.85 | 1.23 | 8.4 | 1.33 | 8.95 | 1.42 | 10.05 | 1.61 | 11.15 | 1.8 |
| | 23 | 5.65 | 0.91 | 6.75 | 1.08 | 7.85 | 1.26 | 8.4 | 1.35 | 8.95 | 1.44 | 10.05 | 1.67 | 11.15 | 1.92 |
| | 25 | 5.65 | 0.93 | 6.75 | 1.1 | 7.85 | 1.3 | 8.4 | 1.42 | 8.95 | 1.53 | 10.05 | 1.78 | 11.15 | 2.05 |
| | 27 | 5.65 | 0.96 | 6.75 | 1.17 | 7.85 | 1.39 | 8.4 | 1.51 | 8.95 | 1.63 | 10.05 | 1.9 | 11.15 | 2.19 |
| | 29 | 5.65 | 1.02 | 6.75 | 1.23 | 7.85 | 1.48 | 8.4 | 1.61 | 8.95 | 1.74 | 10.05 | 2.03 | 11.15 | 2.34 |
| | 31 | 5.65 | 1.08 | 6.75 | 1.31 | 7.85 | 1.57 | 8.4 | 1.71 | 8.95 | 1.85 | 10.05 | 2.16 | 11.15 | 2.49 |
| | 33 | 5.65 | 1.14 | 6.75 | 1.39 | 7.85 | 1.67 | 8.4 | 1.82 | 8.95 | 1.97 | 10.05 | 2.29 | 11.15 | 2.65 |
| 35 | 5.65 | 1.21 | 6.75 | 1.47 | 7.85 | 1.77 | 8.4 | 1.93 | 8.95 | 2.09 | 10.05 | 2.44 | 11.15 | 2.82 | |
| 37 | 5.65 | 1.28 | 6.75 | 1.56 | 7.85 | 1.87 | 8.4 | 2.04 | 8.95 | 2.22 | 10.05 | 2.6 | 11.15 | 3 | |
| 39 | 5.65 | 1.35 | 6.75 | 1.65 | 7.85 | 1.99 | 8.4 | 2.17 | 8.95 | 2.36 | 10.05 | 2.76 | 11.15 | 3.19 | |
| 41 | 5.65 | 1.39 | 6.75 | 1.72 | 7.85 | 2.06 | 8.4 | 2.25 | 8.95 | 2.44 | 10.05 | 2.89 | 11.15 | 3.34 | |
| 43 | 5.65 | 1.43 | 6.75 | 1.79 | 7.85 | 2.13 | 8.4 | 2.32 | 8.95 | 2.53 | 10.05 | 3.01 | 11.15 | 3.48 | |

MDV-V140W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|------|--------------|------|------------|------|--------------|------|--------------|------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 50% | -5 | 4.73 | 0.64 | 5.65 | 0.74 | 6.55 | 0.85 | 7 | 0.89 | 7.45 | 0.94 | 8.35 | 1.07 | 9.3 | 1.15 |
| | -2 | 4.73 | 0.64 | 5.65 | 0.75 | 6.55 | 0.86 | 7 | 0.9 | 7.45 | 0.96 | 8.35 | 1.08 | 9.3 | 1.17 |
| | 0 | 4.73 | 0.65 | 5.65 | 0.77 | 6.55 | 0.87 | 7 | 0.91 | 7.45 | 0.97 | 8.35 | 1.1 | 9.3 | 1.19 |
| | 2 | 4.73 | 0.66 | 5.65 | 0.78 | 6.55 | 0.89 | 7 | 0.93 | 7.45 | 0.98 | 8.35 | 1.1 | 9.3 | 1.21 |
| | 4 | 4.73 | 0.67 | 5.65 | 0.79 | 6.55 | 0.9 | 7 | 0.94 | 7.45 | 1 | 8.35 | 1.13 | 9.3 | 1.24 |
| | 6 | 4.73 | 0.68 | 5.65 | 0.8 | 6.55 | 0.91 | 7 | 0.96 | 7.45 | 1.02 | 8.35 | 1.15 | 9.3 | 1.28 |
| | 8 | 4.73 | 0.7 | 5.65 | 0.82 | 6.55 | 0.93 | 7 | 0.98 | 7.45 | 1.03 | 8.35 | 1.17 | 9.3 | 1.32 |
| | 10 | 4.73 | 0.71 | 5.65 | 0.83 | 6.55 | 0.94 | 7 | 1 | 7.45 | 1.06 | 8.35 | 1.2 | 9.3 | 1.34 |
| | 12 | 4.73 | 0.72 | 5.65 | 0.84 | 6.55 | 0.96 | 7 | 1.02 | 7.45 | 1.09 | 8.35 | 1.22 | 9.3 | 1.36 |
| | 14 | 4.73 | 0.73 | 5.65 | 0.85 | 6.55 | 0.97 | 7 | 1.04 | 7.45 | 1.1 | 8.35 | 1.24 | 9.3 | 1.38 |
| | 16 | 4.73 | 0.74 | 5.65 | 0.86 | 6.55 | 0.98 | 7 | 1.05 | 7.45 | 1.12 | 8.35 | 1.26 | 9.3 | 1.41 |
| | 18 | 4.73 | 0.75 | 5.65 | 0.87 | 6.55 | 1 | 7 | 1.07 | 7.45 | 1.14 | 8.35 | 1.28 | 9.3 | 1.43 |
| | 20 | 4.73 | 0.76 | 5.65 | 0.88 | 6.55 | 1.02 | 7 | 1.09 | 7.45 | 1.16 | 8.35 | 1.3 | 9.3 | 1.46 |
| | 21 | 4.73 | 0.77 | 5.65 | 0.89 | 6.55 | 1.03 | 7 | 1.1 | 7.45 | 1.17 | 8.35 | 1.32 | 9.3 | 1.47 |
| | 23 | 4.73 | 0.78 | 5.65 | 0.9 | 6.55 | 1.04 | 7 | 1.12 | 7.45 | 1.19 | 8.35 | 1.34 | 9.3 | 1.51 |
| | 25 | 4.73 | 0.79 | 5.65 | 0.92 | 6.55 | 1.06 | 7 | 1.14 | 7.45 | 1.23 | 8.35 | 1.41 | 9.3 | 1.61 |
| | 27 | 4.73 | 0.8 | 5.65 | 0.96 | 6.55 | 1.12 | 7 | 1.21 | 7.45 | 1.3 | 8.35 | 1.5 | 9.3 | 1.71 |
| | 29 | 4.73 | 0.85 | 5.65 | 1.01 | 6.55 | 1.19 | 7 | 1.29 | 7.45 | 1.39 | 8.35 | 1.6 | 9.3 | 1.83 |
| | 31 | 4.73 | 0.89 | 5.65 | 1.07 | 6.55 | 1.26 | 7 | 1.37 | 7.45 | 1.47 | 8.35 | 1.7 | 9.3 | 1.94 |
| | 33 | 4.73 | 0.95 | 5.65 | 1.13 | 6.55 | 1.34 | 7 | 1.45 | 7.45 | 1.56 | 8.35 | 1.8 | 9.3 | 2.07 |
| 35 | 4.73 | 1 | 5.65 | 1.2 | 6.55 | 1.42 | 7 | 1.53 | 7.45 | 1.66 | 8.35 | 1.92 | 9.3 | 2.19 | |
| 37 | 4.73 | 1.05 | 5.65 | 1.27 | 6.55 | 1.5 | 7 | 1.62 | 7.45 | 1.76 | 8.35 | 2.03 | 9.3 | 2.33 | |
| 39 | 4.73 | 1.11 | 5.65 | 1.34 | 6.55 | 1.59 | 7 | 1.72 | 7.45 | 1.86 | 8.35 | 2.16 | 9.3 | 2.48 | |
| 41 | 4.73 | 1.16 | 5.65 | 1.39 | 6.55 | 1.64 | 7 | 1.8 | 7.45 | 1.94 | 8.35 | 2.27 | 9.3 | 2.59 | |
| 43 | 4.73 | 1.24 | 5.65 | 1.49 | 6.55 | 1.7 | 7 | 1.88 | 7.45 | 1.99 | 8.35 | 2.39 | 9.3 | 2.71 | |

Note:

1. [] is tested under our standard condition.
2. In cooling mode, avoid running the unit when outdoor air temperature is above 43 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V140W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|---------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -13.7 | -15 | 10.95 | 3.29 | 10.9 | 3.48 | 10.85 | 3.67 | 10.85 | 3.76 | 10.8 | 3.86 | 10.8 | 4.05 |
| | -11.8 | -13 | 11.39 | 3.44 | 11.39 | 3.62 | 11.34 | 3.8 | 11.29 | 3.89 | 11.29 | 3.98 | 11.24 | 4.16 |
| | -9.8 | -11 | 11.93 | 3.59 | 11.88 | 3.76 | 11.83 | 3.93 | 11.83 | 4.02 | 11.83 | 4.11 | 11.78 | 4.28 |
| | -9.5 | -10 | 12.22 | 3.66 | 12.17 | 3.83 | 12.12 | 4 | 12.12 | 4.08 | 12.08 | 4.17 | 12.08 | 4.33 |
| | -8.5 | -9.1 | 12.47 | 3.73 | 12.42 | 3.89 | 12.42 | 4.06 | 12.37 | 4.14 | 12.37 | 4.22 | 12.32 | 4.39 |
| | -7 | -7.6 | 12.91 | 3.84 | 12.91 | 4 | 12.86 | 4.15 | 12.86 | 4.24 | 12.81 | 4.31 | 12.76 | 4.47 |
| | -5 | -5.6 | 13.59 | 3.98 | 13.54 | 4.13 | 13.49 | 4.28 | 13.49 | 4.36 | 13.44 | 4.43 | 13.44 | 4.58 |
| | -3 | -3.7 | 14.23 | 4.11 | 14.18 | 4.26 | 14.18 | 4.4 | 14.13 | 4.47 | 14.13 | 4.54 | 14.08 | 4.68 |
| | 0 | -0.7 | 15.35 | 4.31 | 15.35 | 4.45 | 15.3 | 4.58 | 15.3 | 4.62 | 15.25 | 4.71 | 15.25 | 4.84 |
| | 3 | 2.2 | 16.57 | 4.49 | 16.52 | 4.61 | 16.48 | 4.74 | 16.48 | 4.8 | 16.48 | 4.86 | 16.43 | 4.98 |
| | 5 | 4.1 | 17.4 | 4.6 | 17.35 | 4.72 | 17.35 | 4.84 | 17.31 | 4.89 | 17.31 | 4.95 | 17.26 | 5.07 |
| | 7 | 6 | 18.28 | 4.71 | 18.24 | 4.82 | 18.24 | 4.93 | 18.19 | 4.99 | 18.19 | 5.04 | 17.45 | 4.84 |
| | 9 | 7.9 | 19.21 | 4.81 | 19.16 | 4.92 | 19.16 | 5.02 | 19.12 | 5.07 | 18.72 | 4.97 | 17.45 | 4.55 |
| | 11 | 9.8 | 20.19 | 4.91 | 20.14 | 5 | 20.04 | 5.07 | 19.36 | 4.87 | 18.72 | 4.67 | 17.45 | 4.28 |
| | 13 | 11.8 | 21.27 | 5 | 21.22 | 5.09 | 20.04 | 4.75 | 19.36 | 4.56 | 18.72 | 4.38 | 17.45 | 4.02 |
| 15 | 13.7 | 22.29 | 5.08 | 21.32 | 4.82 | 20.04 | 4.47 | 19.36 | 4.3 | 18.72 | 4.13 | 17.45 | 3.79 | |
| 120% | -13.7 | -15 | 10.9 | 3.54 | 10.85 | 3.72 | 10.81 | 3.89 | 10.81 | 3.98 | 10.81 | 4.07 | 10.76 | 4.24 |
| | -11.8 | -13 | 11.34 | 3.68 | 11.34 | 3.85 | 11.29 | 4.01 | 11.29 | 4.1 | 11.25 | 4.18 | 11.25 | 4.35 |
| | -9.8 | -11 | 11.88 | 3.82 | 11.83 | 3.98 | 11.83 | 4.14 | 11.78 | 4.22 | 11.78 | 4.3 | 11.73 | 4.46 |
| | -9.5 | -10 | 12.17 | 3.89 | 12.13 | 4.05 | 12.08 | 4.2 | 12.08 | 4.28 | 12.08 | 4.35 | 12.03 | 4.51 |
| | -8.5 | -9.1 | 12.42 | 3.95 | 12.37 | 4.1 | 12.37 | 4.25 | 12.32 | 4.33 | 12.32 | 4.41 | 12.27 | 4.56 |
| | -7 | -7.6 | 12.86 | 4.05 | 12.86 | 4.2 | 12.81 | 4.34 | 12.81 | 4.42 | 12.76 | 4.49 | 12.76 | 4.64 |
| | -5 | -5.6 | 13.54 | 4.18 | 13.49 | 4.32 | 13.44 | 4.46 | 13.44 | 4.53 | 13.44 | 4.6 | 13.4 | 4.74 |
| | -3 | -3.7 | 14.18 | 4.31 | 14.18 | 4.44 | 14.13 | 4.57 | 14.13 | 4.64 | 14.08 | 4.71 | 14.08 | 4.84 |
| | 0 | -0.7 | 15.3 | 4.49 | 15.3 | 4.61 | 15.25 | 4.73 | 15.25 | 4.8 | 15.2 | 4.86 | 15.2 | 4.98 |
| | 3 | 2.2 | 16.53 | 4.66 | 16.48 | 4.77 | 16.48 | 4.88 | 16.43 | 4.94 | 16.43 | 5 | 16.08 | 4.97 |
| | 5 | 4.1 | 17.36 | 4.76 | 17.31 | 4.87 | 17.31 | 4.98 | 17.26 | 5.03 | 17.26 | 5.08 | 16.08 | 4.67 |
| | 7 | 6 | 18.24 | 4.86 | 18.24 | 4.96 | 18.19 | 5.06 | 17.89 | 4.99 | 17.31 | 4.79 | 16.08 | 4.39 |
| | 9 | 7.9 | 19.17 | 4.95 | 19.12 | 5.05 | 18.48 | 4.88 | 17.89 | 4.69 | 17.31 | 4.5 | 16.08 | 4.13 |
| | 11 | 9.8 | 20.14 | 5.04 | 19.65 | 4.95 | 18.48 | 4.59 | 17.89 | 4.41 | 17.31 | 4.24 | 16.08 | 3.9 |
| | 13 | 11.8 | 20.88 | 4.99 | 19.65 | 4.65 | 18.48 | 4.31 | 17.89 | 4.14 | 17.31 | 3.98 | 16.08 | 3.66 |
| 15 | 13.7 | 20.88 | 4.7 | 19.65 | 4.38 | 18.48 | 4.06 | 17.89 | 3.91 | 17.31 | 3.75 | 16.08 | 3.46 | |
| 110% | -13.7 | -15 | 10.85 | 3.8 | 10.81 | 3.96 | 10.76 | 4.12 | 10.76 | 4.2 | 10.76 | 4.28 | 10.71 | 4.44 |
| | -11.8 | -13 | 11.29 | 3.93 | 11.29 | 4.08 | 11.24 | 4.23 | 11.24 | 4.31 | 11.19 | 4.38 | 11.19 | 4.54 |
| | -9.8 | -11 | 11.83 | 4.05 | 11.78 | 4.2 | 11.78 | 4.34 | 11.73 | 4.42 | 11.73 | 4.49 | 11.73 | 4.64 |
| | -9.5 | -10 | 12.12 | 4.12 | 12.08 | 4.26 | 12.03 | 4.4 | 12.03 | 4.47 | 12.03 | 4.54 | 11.98 | 4.68 |
| | -8.5 | -9.1 | 12.37 | 4.17 | 12.32 | 4.31 | 12.32 | 4.45 | 12.27 | 4.52 | 12.27 | 4.59 | 12.27 | 4.19 |
| | -7 | -7.6 | 12.81 | 4.27 | 12.81 | 4.4 | 12.76 | 4.53 | 12.76 | 4.6 | 12.76 | 4.67 | 12.71 | 4.8 |
| | -5 | -5.6 | 13.49 | 4.39 | 13.44 | 4.52 | 13.4 | 4.64 | 13.4 | 4.71 | 13.4 | 4.77 | 13.35 | 4.9 |
| | -3 | -3.7 | 14.13 | 4.5 | 14.13 | 4.62 | 14.08 | 4.74 | 14.08 | 4.8 | 14.03 | 4.86 | 14.03 | 4.99 |
| | 0 | -0.7 | 15.25 | 4.67 | 15.25 | 4.78 | 15.21 | 4.89 | 15.21 | 4.95 | 15.21 | 5.01 | 14.76 | 4.91 |
| | 3 | 2.2 | 16.48 | 4.82 | 16.43 | 4.93 | 16.43 | 5.03 | 16.38 | 5.08 | 15.84 | 4.87 | 14.76 | 4.47 |
| | 5 | 4.1 | 17.31 | 4.92 | 17.31 | 5.02 | 16.96 | 4.97 | 16.38 | 4.77 | 15.84 | 4.58 | 14.76 | 4.2 |
| | 7 | 6 | 18.19 | 5.01 | 18.04 | 5.04 | 16.96 | 4.67 | 16.38 | 4.48 | 15.84 | 4.31 | 14.76 | 3.95 |
| | 9 | 7.9 | 19.12 | 5.09 | 18.04 | 4.74 | 16.96 | 4.39 | 16.38 | 4.22 | 15.84 | 4.05 | 14.76 | 3.73 |
| | 11 | 9.8 | 19.12 | 4.79 | 18.04 | 4.46 | 16.96 | 4.13 | 16.38 | 3.98 | 15.84 | 3.82 | 14.76 | 3.52 |
| | 13 | 11.8 | 19.12 | 4.49 | 18.04 | 4.18 | 16.96 | 3.88 | 16.38 | 3.74 | 15.84 | 3.59 | 14.76 | 3.31 |
| 15 | 13.7 | 19.12 | 3.99 | 18.04 | 3.94 | 16.96 | 3.67 | 16.38 | 3.53 | 15.84 | 3.4 | 14.76 | 3.13 | |

MDV-V140W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|---------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | °C DB | °C WB | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 100% | -13.7 | -15 | 10.8 | 4.05 | 10.76 | 4.2 | 10.71 | 4.34 | 10.71 | 4.42 | 10.71 | 4.49 | 10.66 | 4.64 |
| | -11.8 | -13 | 11.25 | 4.17 | 11.25 | 4.31 | 11.2 | 4.45 | 11.2 | 4.52 | 11.2 | 4.59 | 11.15 | 4.73 |
| | -9.8 | -11 | 11.78 | 4.28 | 11.73 | 4.42 | 11.73 | 4.55 | 11.73 | 4.62 | 11.68 | 4.68 | 11.68 | 4.81 |
| | -9.5 | -10 | 12.08 | 4.34 | 12.03 | 4.47 | 12.03 | 4.6 | 11.98 | 4.67 | 11.98 | 4.73 | 11.93 | 4.86 |
| | -8.5 | -9.1 | 12.32 | 4.39 | 12.27 | 4.52 | 12.27 | 4.65 | 12.27 | 4.71 | 12.22 | 4.78 | 12.22 | 4.9 |
| | -7 | -7.6 | 12.76 | 4.48 | 12.76 | 4.6 | 12.71 | 4.72 | 12.71 | 4.79 | 12.71 | 4.85 | 12.66 | 4.97 |
| | -5 | -5.6 | 13.44 | 4.59 | 13.39 | 4.71 | 13.39 | 4.82 | 13.35 | 4.88 | 13.35 | 4.94 | 13.3 | 5.06 |
| | -3 | -3.7 | 14.08 | 4.69 | 14.08 | 4.26 | 14.03 | 4.92 | 14.03 | 4.97 | 14.03 | 5.02 | 13.44 | 4.81 |
| | 0 | -0.7 | 15.2 | 4.85 | 15.2 | 4.95 | 15.16 | 5.05 | 14.91 | 4.97 | 14.42 | 4.77 | 13.44 | 4.37 |
| | 3 | 2.2 | 16.43 | 4.99 | 16.38 | 5.08 | 15.4 | 4.7 | 14.91 | 4.52 | 14.42 | 4.34 | 13.44 | 3.98 |
| | 5 | 4.1 | 17.26 | 5.08 | 16.38 | 4.77 | 15.4 | 4.42 | 14.91 | 4.25 | 14.42 | 4.08 | 13.44 | 3.75 |
| | 7 | 6 | 17.36 | 4.82 | 16.38 | 4.48 | 15.4 | 4.16 | 14.91 | 4 | 14.42 | 3.85 | 13.44 | 3.54 |
| | 9 | 7.9 | 17.36 | 4.53 | 16.38 | 4.22 | 15.4 | 3.92 | 14.91 | 3.72 | 14.42 | 3.63 | 13.44 | 3.34 |
| | 11 | 9.8 | 17.36 | 4.26 | 16.38 | 3.98 | 15.4 | 3.7 | 14.91 | 3.55 | 14.42 | 3.42 | 13.44 | 3.15 |
| | 13 | 11.8 | 17.36 | 4 | 16.38 | 3.74 | 15.4 | 3.48 | 14.91 | 3.35 | 14.42 | 3.23 | 13.44 | 2.98 |
| 15 | 13.7 | 17.36 | 3.78 | 16.38 | 3.53 | 15.4 | 3.28 | 14.91 | 3.17 | 14.42 | 3.05 | 13.44 | 2.82 | |
| 90% | -13.7 | -15 | 10.74 | 4.31 | 10.69 | 4.44 | 10.69 | 4.57 | 10.64 | 4.64 | 10.64 | 4.7 | 10.64 | 4.83 |
| | -11.8 | -13 | 11.18 | 4.41 | 11.18 | 4.54 | 11.13 | 4.66 | 11.13 | 4.73 | 11.13 | 4.79 | 11.08 | 4.91 |
| | -9.8 | -11 | 11.71 | 4.52 | 11.71 | 4.64 | 11.66 | 4.75 | 11.66 | 4.81 | 11.66 | 4.88 | 11.61 | 5 |
| | -9.5 | -10 | 12.01 | 4.57 | 11.96 | 4.69 | 11.96 | 4.8 | 11.91 | 4.86 | 11.91 | 4.92 | 11.91 | 5.04 |
| | -8.5 | -9.1 | 12.25 | 4.62 | 12.25 | 4.73 | 12.2 | 4.85 | 12.2 | 4.9 | 12.2 | 4.96 | 12.05 | 5.01 |
| | -7 | -7.6 | 12.69 | 4.69 | 12.69 | 4.8 | 12.64 | 4.92 | 12.64 | 4.97 | 12.64 | 5.02 | 12.05 | 4.78 |
| | -5 | -5.6 | 13.37 | 4.8 | 13.32 | 4.9 | 13.32 | 5 | 13.27 | 5.06 | 12.93 | 4.9 | 12.05 | 4.49 |
| | -3 | -3.7 | 14.01 | 4.89 | 14.01 | 4.99 | 13.86 | 5.01 | 13.37 | 4.81 | 12.93 | 4.61 | 12.05 | 4.24 |
| | 0 | -0.7 | 15.18 | 5.03 | 14.74 | 4.91 | 13.86 | 4.54 | 13.37 | 4.37 | 12.93 | 4.19 | 12.05 | 3.85 |
| | 3 | 2.2 | 15.62 | 4.79 | 14.74 | 4.46 | 13.86 | 4.14 | 13.37 | 3.98 | 12.93 | 3.83 | 12.05 | 3.52 |
| | 5 | 4.1 | 15.62 | 4.51 | 14.74 | 4.2 | 13.86 | 3.9 | 13.37 | 3.75 | 12.93 | 3.61 | 12.05 | 3.32 |
| | 7 | 6 | 15.62 | 4.24 | 14.74 | 3.95 | 13.86 | 3.67 | 13.37 | 3.54 | 12.93 | 3.4 | 12.05 | 3.14 |
| | 9 | 7.9 | 15.62 | 3.99 | 14.74 | 3.72 | 13.86 | 3.46 | 13.37 | 3.34 | 12.93 | 3.21 | 12.05 | 2.97 |
| | 11 | 9.8 | 15.62 | 3.76 | 14.74 | 3.51 | 13.86 | 3.27 | 13.37 | 3.15 | 12.93 | 3.04 | 12.05 | 2.81 |
| | 13 | 11.8 | 15.62 | 3.54 | 14.74 | 3.31 | 13.86 | 3.08 | 13.37 | 2.98 | 12.93 | 2.87 | 12.05 | 2.65 |
| 15 | 13.7 | 15.62 | 3.34 | 14.74 | 3.13 | 13.86 | 2.92 | 13.37 | 2.82 | 12.93 | 2.72 | 12.05 | 2.52 | |
| 80% | -13.7 | -15 | 10.71 | 4.57 | 10.66 | 4.68 | 10.66 | 4.8 | 10.66 | 4.85 | 10.61 | 4.91 | 10.61 | 5.03 |
| | -11.8 | -13 | 11.15 | 4.66 | 11.15 | 4.77 | 11.1 | 4.88 | 11.1 | 4.93 | 11.1 | 4.99 | 10.76 | 4.86 |
| | -9.8 | -11 | 11.68 | 4.75 | 11.68 | 4.86 | 11.64 | 4.96 | 11.64 | 5.01 | 11.54 | 5 | 10.76 | 4.59 |
| | -9.5 | -10 | 11.98 | 4.8 | 11.93 | 4.9 | 11.93 | 5 | 11.93 | 5.06 | 11.54 | 4.86 | 10.76 | 4.45 |
| | -8.5 | -9.1 | 12.22 | 4.84 | 11.36 | 4.94 | 12.17 | 5.04 | 11.93 | 4.93 | 11.54 | 4.73 | 10.76 | 4.33 |
| | -7 | -7.6 | 12.66 | 4.91 | 12.66 | 5.01 | 12.32 | 4.9 | 11.93 | 4.71 | 11.54 | 4.52 | 10.76 | 4.14 |
| | -5 | -5.6 | 13.35 | 5 | 13.1 | 4.97 | 12.32 | 4.6 | 11.93 | 4.42 | 11.54 | 4.25 | 10.76 | 3.9 |
| | -3 | -3.7 | 13.88 | 5.02 | 13.1 | 4.68 | 12.32 | 4.33 | 11.93 | 4.17 | 11.54 | 4 | 10.76 | 3.68 |
| | 0 | -0.7 | 13.88 | 4.56 | 13.1 | 4.25 | 12.32 | 3.94 | 11.93 | 3.8 | 11.54 | 3.65 | 10.76 | 3.36 |
| | 3 | 2.2 | 13.88 | 4.15 | 13.1 | 3.87 | 12.32 | 3.6 | 11.93 | 3.47 | 11.54 | 3.34 | 10.76 | 3.08 |
| | 5 | 4.1 | 13.88 | 3.91 | 13.1 | 3.65 | 12.32 | 3.4 | 11.93 | 3.27 | 11.54 | 3.16 | 10.76 | 2.91 |
| | 7 | 6 | 13.88 | 3.68 | 13.1 | 3.45 | 12.32 | 3.21 | 11.93 | 3.1 | 11.54 | 2.98 | 10.76 | 2.76 |
| | 9 | 7.9 | 13.88 | 3.48 | 13.1 | 3.25 | 12.32 | 3.03 | 11.93 | 2.92 | 11.54 | 2.82 | 10.76 | 2.61 |
| | 11 | 9.8 | 13.88 | 3.28 | 13.1 | 3.07 | 12.32 | 2.87 | 11.93 | 2.77 | 11.54 | 2.67 | 10.76 | 2.47 |
| | 13 | 11.8 | 13.88 | 3.1 | 13.1 | 2.9 | 12.32 | 2.71 | 11.93 | 2.61 | 11.54 | 2.52 | 10.76 | 2.34 |
| 15 | 13.7 | 13.88 | 2.93 | 13.1 | 2.75 | 12.32 | 2.57 | 11.93 | 2.48 | 11.54 | 2.39 | 10.76 | 2.23 | |

MDV-V140W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|---------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -13.7 | -15 | 10.63 | 4.82 | 10.58 | 4.92 | 10.58 | 5.02 | 10.39 | 4.95 | 10.05 | 4.75 | 9.37 | 4.35 |
| | -11.8 | -13 | 11.07 | 4.9 | 11.07 | 5 | 10.78 | 4.88 | 10.39 | 4.69 | 10.05 | 4.5 | 9.37 | 4.13 |
| | -9.8 | -11 | 11.61 | 4.98 | 11.46 | 4.98 | 10.78 | 4.61 | 10.39 | 4.43 | 10.05 | 4.25 | 9.37 | 3.91 |
| | -9.5 | -10 | 11.9 | 5.02 | 11.46 | 4.83 | 10.78 | 4.47 | 10.39 | 4.3 | 10.05 | 4.13 | 9.37 | 3.8 |
| | -8.5 | -9.1 | 12.15 | 5.05 | 11.46 | 4.7 | 10.78 | 4.35 | 10.39 | 4.19 | 10.05 | 4.02 | 9.37 | 3.7 |
| | -7 | -7.6 | 12.15 | 4.82 | 11.46 | 4.49 | 10.78 | 4.17 | 10.39 | 4.01 | 10.05 | 3.85 | 9.37 | 3.54 |
| | -5 | -5.6 | 12.15 | 4.53 | 11.46 | 4.22 | 10.78 | 3.92 | 10.39 | 3.77 | 10.05 | 4.45 | 9.37 | 3.34 |
| | -3 | -3.7 | 12.15 | 4.27 | 11.46 | 3.98 | 10.78 | 3.7 | 10.39 | 3.56 | 10.05 | 3.43 | 9.37 | 3.16 |
| | 0 | -0.7 | 12.15 | 3.88 | 11.46 | 3.63 | 10.78 | 3.38 | 10.39 | 3.25 | 10.05 | 3.13 | 9.37 | 2.9 |
| | 3 | 2.2 | 12.15 | 3.55 | 11.46 | 3.32 | 10.78 | 3.1 | 10.39 | 2.98 | 10.05 | 2.87 | 9.37 | 2.66 |
| | 5 | 4.1 | 12.15 | 3.35 | 11.46 | 3.13 | 10.78 | 2.93 | 10.39 | 2.82 | 10.05 | 2.72 | 9.37 | 2.52 |
| | 7 | 6 | 12.15 | 3.17 | 11.46 | 2.97 | 10.78 | 2.77 | 10.39 | 2.67 | 10.05 | 2.58 | 9.37 | 2.39 |
| | 9 | 7.9 | 12.15 | 2.99 | 11.46 | 2.8 | 10.78 | 2.62 | 10.39 | 2.53 | 10.05 | 2.44 | 9.37 | 2.26 |
| | 11 | 9.8 | 12.15 | 2.83 | 11.46 | 2.65 | 10.78 | 2.48 | 10.39 | 2.4 | 10.05 | 2.32 | 9.37 | 2.15 |
| | 13 | 11.8 | 12.15 | 2.67 | 11.46 | 2.51 | 10.78 | 2.35 | 10.39 | 2.27 | 10.05 | 2.19 | 9.37 | 2.04 |
| 15 | 13.7 | 12.15 | 2.53 | 11.46 | 2.38 | 10.78 | 2.23 | 10.39 | 2.16 | 10.05 | 2.09 | 9.37 | 1.94 | |
| 60% | -13.7 | -15 | 10.41 | 4.95 | 9.83 | 4.6 | 9.24 | 4.27 | 8.95 | 4.11 | 8.65 | 3.94 | 8.07 | 3.62 |
| | -11.8 | -13 | 10.41 | 4.68 | 9.83 | 4.36 | 9.24 | 4.05 | 8.95 | 3.9 | 8.65 | 3.74 | 8.07 | 3.46 |
| | -9.8 | -11 | 10.41 | 4.42 | 9.83 | 4.12 | 9.24 | 3.83 | 8.95 | 3.68 | 8.65 | 3.54 | 8.07 | 3.27 |
| | -9.5 | -10 | 10.41 | 4.3 | 9.83 | 4.01 | 9.24 | 3.72 | 8.95 | 3.59 | 8.65 | 3.45 | 8.07 | 3.18 |
| | -8.5 | -9.1 | 10.41 | 4.19 | 9.83 | 3.91 | 9.24 | 3.63 | 8.95 | 3.5 | 8.65 | 3.36 | 8.07 | 3.1 |
| | -7 | -7.6 | 10.41 | 4 | 9.83 | 3.74 | 9.24 | 3.47 | 8.95 | 3.35 | 8.65 | 3.22 | 8.07 | 2.98 |
| | -5 | -5.6 | 10.41 | 3.77 | 9.83 | 3.52 | 9.24 | 3.28 | 8.95 | 3.16 | 8.65 | 3.04 | 8.07 | 2.81 |
| | -3 | -3.7 | 10.41 | 3.56 | 9.83 | 3.33 | 9.24 | 3.1 | 8.95 | 2.99 | 8.65 | 2.88 | 8.07 | 2.66 |
| | 0 | -0.7 | 10.41 | 3.25 | 9.83 | 3.05 | 9.24 | 2.84 | 8.95 | 2.74 | 8.65 | 2.64 | 8.07 | 2.45 |
| | 3 | 2.2 | 10.41 | 2.98 | 9.83 | 2.8 | 9.24 | 2.61 | 8.95 | 2.52 | 8.65 | 2.44 | 8.07 | 2.26 |
| | 5 | 4.1 | 10.41 | 2.82 | 9.83 | 2.65 | 9.24 | 2.47 | 8.95 | 2.39 | 8.65 | 2.31 | 8.07 | 2.14 |
| | 7 | 6 | 10.41 | 2.67 | 9.83 | 2.51 | 9.24 | 2.34 | 8.95 | 2.27 | 8.65 | 2.19 | 8.07 | 2.04 |
| | 9 | 7.9 | 10.41 | 2.53 | 9.83 | 2.38 | 9.24 | 2.23 | 8.95 | 2.16 | 8.65 | 2.08 | 8.07 | 1.94 |
| | 11 | 9.8 | 10.41 | 2.4 | 9.83 | 2.26 | 9.24 | 2.12 | 8.95 | 2.05 | 8.65 | 1.98 | 8.07 | 1.85 |
| | 13 | 11.8 | 10.41 | 2.27 | 9.83 | 2.14 | 9.24 | 2.01 | 8.95 | 1.95 | 8.65 | 1.88 | 8.07 | 1.76 |
| 15 | 13.7 | 10.41 | 2.16 | 9.83 | 2.03 | 9.24 | 1.91 | 8.95 | 1.85 | 8.65 | 1.79 | 8.07 | 1.67 | |
| 50% | -13.7 | -15 | 8.67 | 3.97 | 8.19 | 3.7 | 7.7 | 3.44 | 7.41 | 3.32 | 7.16 | 3.19 | 6.68 | 2.95 |
| | -11.8 | -13 | 8.67 | 3.77 | 8.19 | 3.52 | 7.7 | 3.27 | 7.41 | 3.15 | 7.16 | 3.04 | 6.68 | 2.81 |
| | -9.8 | -11 | 8.67 | 3.57 | 8.19 | 3.33 | 7.7 | 3.11 | 7.41 | 2.99 | 7.16 | 2.88 | 6.68 | 2.67 |
| | -9.5 | -10 | 8.67 | 3.47 | 8.19 | 3.24 | 7.7 | 3.03 | 7.41 | 2.92 | 7.16 | 2.81 | 6.68 | 2.6 |
| | -8.5 | -9.1 | 8.67 | 3.38 | 8.19 | 3.17 | 7.7 | 2.95 | 7.41 | 2.85 | 7.16 | 2.74 | 6.68 | 2.54 |
| | -7 | -7.6 | 8.67 | 3.24 | 8.19 | 3.04 | 7.7 | 2.83 | 7.41 | 2.73 | 7.16 | 2.64 | 6.68 | 2.44 |
| | -5 | -5.6 | 8.67 | 3.06 | 8.19 | 2.87 | 7.7 | 2.68 | 7.41 | 2.59 | 7.16 | 2.5 | 6.68 | 2.31 |
| | -3 | -3.7 | 8.67 | 2.9 | 8.19 | 2.72 | 7.7 | 2.54 | 7.41 | 2.45 | 7.16 | 2.37 | 6.68 | 2.2 |
| | 0 | -0.7 | 8.67 | 2.66 | 8.19 | 2.5 | 7.7 | 2.34 | 7.41 | 2.26 | 7.16 | 2.18 | 6.68 | 2.03 |
| | 3 | 2.2 | 8.67 | 2.45 | 8.19 | 2.3 | 7.7 | 2.16 | 7.41 | 2.09 | 7.16 | 2.01 | 6.68 | 1.88 |
| | 5 | 4.1 | 8.67 | 2.32 | 8.19 | 2.18 | 7.7 | 2.05 | 7.41 | 1.98 | 7.16 | 1.92 | 6.68 | 1.79 |
| | 7 | 6 | 8.67 | 2.2 | 8.19 | 2.07 | 7.7 | 1.95 | 7.41 | 1.89 | 7.16 | 1.83 | 6.68 | 1.71 |
| | 9 | 7.9 | 8.67 | 2.09 | 8.19 | 1.97 | 7.7 | 1.85 | 7.41 | 1.8 | 7.16 | 1.74 | 6.68 | 1.63 |
| | 11 | 9.8 | 8.67 | 1.99 | 8.19 | 1.87 | 7.7 | 1.77 | 7.41 | 1.71 | 7.16 | 1.66 | 6.68 | 1.55 |
| | 13 | 11.8 | 8.67 | 1.89 | 8.19 | 1.78 | 7.7 | 1.68 | 7.41 | 1.63 | 7.16 | 1.58 | 6.68 | 1.48 |
| 15 | 13.7 | 8.67 | 1.8 | 8.19 | 1.7 | 7.7 | 1.6 | 7.41 | 1.56 | 7.16 | 1.51 | 6.68 | 1.42 | |

Note:

1. [] is tested under our standard condition.
2. In heating mode, avoid running the unit when the outdoor air temperature is below -15 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V160W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -5 | 13.62 | 1.85 | 16.22 | 2.26 | 18.82 | 2.42 | 19.54 | 2.52 | 20.48 | 2.59 | 20.98 | 2.81 | 21.51 | 2.83 |
| | -2 | 13.62 | 1.85 | 16.22 | 2.3 | 18.82 | 2.42 | 19.54 | 2.53 | 20.48 | 2.59 | 20.98 | 2.85 | 21.51 | 2.86 |
| | 0 | 13.62 | 1.88 | 16.22 | 2.34 | 18.82 | 2.51 | 19.54 | 2.67 | 20.48 | 2.74 | 20.98 | 2.88 | 21.51 | 2.9 |
| | 2 | 13.62 | 1.91 | 16.22 | 2.34 | 18.82 | 2.59 | 19.54 | 2.82 | 20.48 | 2.77 | 20.98 | 2.9 | 21.51 | 2.94 |
| | 4 | 13.62 | 1.96 | 16.22 | 2.39 | 18.82 | 2.68 | 19.54 | 2.83 | 20.48 | 2.8 | 20.98 | 2.9 | 21.51 | 3 |
| | 6 | 13.62 | 1.99 | 16.22 | 2.44 | 18.82 | 2.78 | 19.54 | 2.86 | 20.25 | 2.89 | 20.72 | 2.9 | 21.27 | 3.02 |
| | 8 | 13.62 | 2.04 | 16.22 | 2.49 | 18.82 | 2.92 | 19.54 | 2.99 | 20 | 2.99 | 20.5 | 3.9 | 21 | 3.05 |
| | 10 | 13.62 | 2.08 | 16.22 | 2.55 | 18.82 | 3.03 | 19.54 | 3.09 | 19.76 | 4.04 | 20.26 | 4.06 | 20.76 | 3.14 |
| | 12 | 13.62 | 2.12 | 16.22 | 2.6 | 18.82 | 3.09 | 19.26 | 4.03 | 19.54 | 4.06 | 19.98 | 4.07 | 20.48 | 3.16 |
| | 14 | 13.62 | 2.16 | 16.22 | 2.64 | 18.77 | 4.05 | 19.04 | 4.06 | 19.26 | 4.08 | 19.76 | 4.09 | 20.26 | 3.23 |
| | 16 | 13.62 | 2.2 | 16.22 | 2.7 | 18.54 | 4.06 | 18.77 | 4.08 | 18.99 | 4.1 | 19.49 | 4.12 | 19.98 | 3.28 |
| | 18 | 13.62 | 2.24 | 16.22 | 2.75 | 18.27 | 3.23 | 18.49 | 3.25 | 18.77 | 3.27 | 19.26 | 3.3 | 19.76 | 3.33 |
| | 20 | 13.62 | 2.29 | 16.22 | 2.93 | 17.99 | 3.39 | 18.27 | 3.41 | 18.49 | 3.42 | 18.99 | 3.45 | 19.49 | 3.49 |
| | 21 | 13.62 | 2.35 | 16.22 | 3.03 | 17.88 | 3.47 | 18.16 | 3.48 | 18.38 | 3.5 | 18.88 | 3.54 | 19.37 | 3.57 |
| | 23 | 13.62 | 2.52 | 16.22 | 3.25 | 17.66 | 3.62 | 17.88 | 3.64 | 18.1 | 3.66 | 18.6 | 3.7 | 19.1 | 3.73 |
| | 25 | 13.62 | 2.69 | 16.22 | 3.48 | 17.38 | 3.78 | 17.6 | 3.8 | 17.88 | 3.83 | 18.38 | 3.86 | 18.88 | 3.9 |
| | 27 | 13.62 | 2.88 | 16.22 | 3.73 | 17.16 | 3.94 | 17.38 | 3.97 | 17.6 | 3.98 | 18.1 | 4.03 | 18.6 | 4.07 |
| | 29 | 13.62 | 3.07 | 16.22 | 3.98 | 16.88 | 4.1 | 17.1 | 4.12 | 17.38 | 4.15 | 17.88 | 4.19 | 18.38 | 4.23 |
| | 31 | 13.62 | 3.28 | 16.16 | 4.22 | 16.61 | 4.26 | 16.88 | 4.29 | 17.1 | 4.31 | 17.6 | 4.36 | 18.1 | 4.4 |
| | 33 | 13.62 | 3.49 | 15.89 | 4.37 | 16.39 | 4.42 | 16.61 | 4.45 | 16.88 | 4.47 | 17.38 | 4.52 | 17.82 | 4.57 |
| 35 | 13.62 | 3.72 | 15.61 | 4.53 | 16.11 | 4.59 | 16.39 | 4.61 | 16.61 | 4.64 | 17.1 | 4.69 | 17.6 | 4.74 | |
| 37 | 13.62 | 3.96 | 15.39 | 4.7 | 15.89 | 4.75 | 16.11 | 4.78 | 16.39 | 4.81 | 16.83 | 4.86 | 17.33 | 4.92 | |
| 39 | 13.62 | 4.22 | 15.11 | 4.75 | 15.61 | 4.91 | 15.89 | 4.94 | 16.11 | 4.97 | 16.61 | 5.03 | 17.1 | 5.09 | |
| 41 | 13.62 | 4.44 | 14.96 | 4.79 | 15.45 | 4.96 | 15.72 | 4.99 | 15.94 | 5.02 | 16.44 | 5.04 | 16.45 | 5.13 | |
| 43 | 13.62 | 4.55 | 14.85 | 4.82 | 15.36 | 4.97 | 15.64 | 5.01 | 15.78 | 5.02 | 16.14 | 5.05 | 16.25 | 5.14 | |
| 120% | -5 | 12.57 | 1.78 | 14.95 | 2.16 | 17.38 | 2.56 | 18.6 | 2.79 | 19.49 | 2.91 | 19.93 | 3 | 20.37 | 3.08 |
| | -2 | 12.57 | 1.8 | 14.95 | 2.18 | 17.38 | 2.58 | 18.6 | 2.8 | 19.49 | 2.94 | 19.93 | 3.02 | 20.37 | 3.09 |
| | 0 | 12.57 | 1.82 | 14.95 | 2.2 | 17.38 | 2.61 | 18.6 | 2.81 | 19.49 | 2.97 | 19.93 | 3.04 | 20.37 | 3.1 |
| | 2 | 12.57 | 1.82 | 14.95 | 2.22 | 17.38 | 2.63 | 18.6 | 2.84 | 19.49 | 2.98 | 19.93 | 3.06 | 20.37 | 3.1 |
| | 4 | 12.57 | 1.84 | 14.95 | 2.25 | 17.38 | 2.67 | 18.6 | 2.86 | 19.49 | 3.02 | 19.93 | 3.07 | 20.37 | 3.11 |
| | 6 | 12.57 | 1.86 | 14.95 | 2.27 | 17.38 | 2.7 | 18.6 | 2.9 | 19.49 | 3.05 | 19.93 | 3.1 | 20.37 | 3.12 |
| | 8 | 12.57 | 1.88 | 14.95 | 2.29 | 17.38 | 2.73 | 18.6 | 2.93 | 19.49 | 3.08 | 19.93 | 3.11 | 20.37 | 3.13 |
| | 10 | 12.57 | 1.9 | 14.95 | 2.32 | 17.38 | 2.76 | 18.6 | 2.98 | 19.49 | 3.08 | 19.93 | 3.12 | 20.37 | 3.15 |
| | 12 | 12.57 | 1.94 | 14.95 | 2.36 | 17.38 | 2.81 | 18.6 | 3.04 | 19.21 | 3.1 | 19.65 | 3.1 | 20.09 | 3.17 |
| | 14 | 12.57 | 1.97 | 14.95 | 2.41 | 17.38 | 2.87 | 18.6 | 3.1 | 18.93 | 3.12 | 19.43 | 3.14 | 19.87 | 3.21 |
| | 16 | 12.57 | 2.01 | 14.95 | 2.46 | 17.38 | 2.92 | 18.49 | 4.1 | 18.71 | 3.16 | 19.15 | 3.2 | 19.6 | 3.26 |
| | 18 | 12.57 | 2.05 | 14.95 | 2.51 | 17.38 | 3.02 | 18.21 | 3.23 | 18.43 | 3.24 | 18.88 | 3.27 | 19.37 | 3.3 |
| | 20 | 12.57 | 2.09 | 14.95 | 2.61 | 17.38 | 3.25 | 17.99 | 3.39 | 18.21 | 3.4 | 18.66 | 3.43 | 19.1 | 3.46 |
| | 21 | 12.57 | 2.11 | 14.95 | 2.7 | 17.38 | 3.37 | 17.82 | 3.47 | 18.05 | 3.48 | 18.54 | 3.51 | 18.99 | 3.55 |
| | 23 | 12.57 | 2.25 | 14.95 | 2.89 | 17.38 | 3.61 | 17.6 | 3.62 | 17.82 | 3.64 | 18.27 | 3.67 | 18.71 | 3.7 |
| | 25 | 12.57 | 2.41 | 14.95 | 3.09 | 17.1 | 3.76 | 17.33 | 3.78 | 17.55 | 3.8 | 18.05 | 3.83 | 18.49 | 3.87 |
| | 27 | 12.57 | 2.57 | 14.95 | 3.31 | 16.88 | 3.92 | 17.1 | 3.94 | 17.33 | 3.96 | 17.77 | 4 | 18.21 | 4.03 |
| | 29 | 12.57 | 2.74 | 14.95 | 3.53 | 16.61 | 4.08 | 16.83 | 4.1 | 17.05 | 4.12 | 17.49 | 4.16 | 17.99 | 4.2 |
| | 31 | 12.57 | 2.92 | 14.95 | 3.77 | 16.33 | 4.24 | 16.61 | 4.26 | 16.83 | 4.28 | 17.27 | 4.32 | 17.71 | 4.37 |
| | 33 | 12.57 | 3.11 | 14.95 | 4.02 | 16.11 | 4.4 | 16.33 | 4.42 | 16.55 | 4.44 | 16.99 | 4.49 | 17.44 | 4.53 |
| 35 | 12.57 | 3.31 | 14.95 | 4.29 | 15.83 | 4.56 | 16.05 | 4.58 | 16.33 | 4.61 | 16.77 | 4.65 | 17.22 | 4.7 | |
| 37 | 12.57 | 3.53 | 14.95 | 4.57 | 15.61 | 4.72 | 15.83 | 4.75 | 16.05 | 4.77 | 16.5 | 4.82 | 16.94 | 4.87 | |
| 39 | 12.57 | 3.75 | 14.89 | 4.82 | 15.33 | 4.88 | 15.56 | 4.91 | 15.78 | 4.93 | 16.27 | 4.99 | 16.72 | 5.04 | |
| 41 | 12.57 | 3.86 | 14.77 | 4.86 | 15.21 | 4.91 | 15.44 | 4.94 | 15.66 | 4.97 | 16.15 | 5 | 16.24 | 5.08 | |
| 43 | 12.57 | 3.91 | 14.69 | 4.89 | 15.09 | 4.94 | 15.31 | 4.96 | 15.54 | 4.99 | 15.87 | 5.02 | 15.98 | 5.18 | |

MDV-V160W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 110% | -5 | 11.51 | 1.56 | 13.73 | 1.94 | 15.94 | 2.31 | 17.05 | 2.48 | 18.16 | 2.67 | 19.54 | 2.78 | 19.99 | 2.86 |
| | -2 | 11.51 | 1.59 | 13.73 | 1.97 | 15.94 | 2.33 | 17.05 | 2.51 | 18.16 | 2.69 | 19.54 | 2.8 | 19.99 | 2.88 |
| | 0 | 11.51 | 1.6 | 13.73 | 1.98 | 15.94 | 2.35 | 17.05 | 2.53 | 18.16 | 2.72 | 19.54 | 2.83 | 19.99 | 2.91 |
| | 2 | 11.51 | 1.64 | 13.73 | 2 | 15.94 | 2.39 | 17.05 | 2.55 | 18.16 | 2.75 | 19.54 | 2.87 | 19.99 | 2.95 |
| | 4 | 11.51 | 1.67 | 13.73 | 2.02 | 15.94 | 2.41 | 17.05 | 2.58 | 18.16 | 2.8 | 19.54 | 2.91 | 19.99 | 2.98 |
| | 6 | 11.51 | 1.69 | 13.73 | 2.04 | 15.94 | 2.44 | 17.05 | 2.63 | 18.16 | 2.83 | 19.54 | 2.94 | 19.99 | 3.02 |
| | 8 | 11.51 | 1.7 | 13.73 | 2.07 | 15.94 | 2.46 | 17.05 | 2.65 | 18.16 | 2.86 | 19.54 | 2.96 | 19.99 | 3.05 |
| | 10 | 11.51 | 1.72 | 13.73 | 2.1 | 15.94 | 2.5 | 17.05 | 2.7 | 18.16 | 2.91 | 19.54 | 2.98 | 19.99 | 3.08 |
| | 12 | 11.51 | 1.76 | 13.73 | 2.14 | 15.94 | 2.55 | 17.05 | 2.75 | 18.16 | 2.96 | 19.32 | 3.03 | 19.71 | 3.12 |
| | 14 | 11.51 | 1.79 | 13.73 | 2.18 | 15.94 | 2.6 | 17.05 | 2.8 | 18.16 | 3.02 | 19.04 | 3.05 | 19.49 | 3.14 |
| | 16 | 11.51 | 1.82 | 13.73 | 2.22 | 15.94 | 2.64 | 17.05 | 2.86 | 18.16 | 3.08 | 18.82 | 3.09 | 19.21 | 3.18 |
| | 18 | 11.51 | 1.86 | 13.73 | 2.27 | 15.94 | 2.7 | 17.05 | 2.94 | 18.16 | 3.22 | 18.54 | 3.25 | 18.99 | 3.28 |
| | 20 | 11.51 | 1.89 | 13.73 | 2.31 | 15.94 | 2.86 | 17.05 | 3.16 | 17.88 | 3.38 | 18.32 | 3.41 | 18.71 | 3.44 |
| | 21 | 11.51 | 1.91 | 13.73 | 2.38 | 15.94 | 2.96 | 17.05 | 3.27 | 17.77 | 3.46 | 18.16 | 3.48 | 18.6 | 3.51 |
| | 23 | 11.51 | 2 | 13.73 | 2.55 | 15.94 | 3.17 | 17.05 | 3.51 | 17.49 | 3.61 | 17.94 | 3.65 | 18.32 | 3.68 |
| | 25 | 11.51 | 2.14 | 13.73 | 2.73 | 15.94 | 3.39 | 17.05 | 3.76 | 17.27 | 3.77 | 17.66 | 3.81 | 18.1 | 3.84 |
| | 27 | 11.51 | 2.28 | 13.73 | 2.92 | 15.94 | 3.63 | 16.77 | 3.92 | 17 | 3.93 | 17.44 | 3.97 | 17.83 | 4 |
| | 29 | 11.51 | 2.43 | 13.73 | 3.11 | 15.94 | 3.88 | 16.55 | 4.08 | 16.77 | 4.09 | 17.16 | 4.13 | 17.6 | 4.17 |
| | 31 | 11.51 | 2.59 | 13.73 | 3.32 | 15.94 | 4.14 | 16.28 | 4.23 | 16.5 | 4.25 | 16.94 | 4.29 | 17.33 | 4.33 |
| | 33 | 11.51 | 2.75 | 13.73 | 3.54 | 15.83 | 4.37 | 16.05 | 4.39 | 16.28 | 4.41 | 16.66 | 4.45 | 17.11 | 4.5 |
| 35 | 11.51 | 2.93 | 13.73 | 3.77 | 15.56 | 4.53 | 15.78 | 4.55 | 16 | 4.58 | 16.39 | 4.62 | 16.83 | 4.66 | |
| 37 | 11.51 | 3.12 | 13.73 | 4.01 | 15.33 | 4.69 | 15.56 | 4.71 | 15.72 | 4.73 | 16.17 | 4.78 | 16.55 | 4.82 | |
| 39 | 11.51 | 3.31 | 13.73 | 4.28 | 15.06 | 4.85 | 15.28 | 4.87 | 15.5 | 4.9 | 15.89 | 4.95 | 16.33 | 5 | |
| 41 | 11.51 | 3.35 | 13.73 | 4.31 | 14.94 | 4.88 | 15.16 | 4.91 | 15.38 | 4.93 | 15.69 | 4.98 | 15.84 | 5.03 | |
| 43 | 11.51 | 3.38 | 13.73 | 4.37 | 14.82 | 4.92 | 15.04 | 4.94 | 15.26 | 4.97 | 15.55 | 5 | 15.6 | 5.13 | |
| 100% | -5 | 10.46 | 1.42 | 12.46 | 1.71 | 14.5 | 2.03 | 15.5 | 2.18 | 16.5 | 2.36 | 18.54 | 2.69 | 19.6 | 2.81 |
| | -2 | 10.46 | 1.44 | 12.46 | 1.73 | 14.5 | 2.06 | 15.5 | 2.22 | 16.5 | 2.4 | 18.54 | 2.73 | 19.6 | 2.83 |
| | 0 | 10.46 | 1.45 | 12.46 | 1.75 | 14.5 | 2.08 | 15.5 | 2.25 | 16.5 | 2.42 | 18.54 | 2.77 | 19.6 | 2.86 |
| | 2 | 10.46 | 1.48 | 12.46 | 1.77 | 14.5 | 2.1 | 15.5 | 2.28 | 16.5 | 2.45 | 18.54 | 2.81 | 19.6 | 2.91 |
| | 4 | 10.46 | 1.49 | 12.46 | 1.79 | 14.5 | 2.13 | 15.5 | 2.31 | 16.5 | 2.48 | 18.54 | 2.84 | 19.6 | 2.94 |
| | 6 | 10.46 | 1.51 | 12.46 | 1.83 | 14.5 | 2.16 | 15.5 | 2.35 | 16.5 | 2.51 | 18.54 | 2.88 | 19.6 | 2.98 |
| | 8 | 10.46 | 1.54 | 12.46 | 1.85 | 14.5 | 2.2 | 15.5 | 2.38 | 16.5 | 2.55 | 18.54 | 2.92 | 19.6 | 3.03 |
| | 10 | 10.46 | 1.56 | 12.46 | 1.89 | 14.5 | 2.24 | 15.5 | 2.42 | 16.5 | 2.6 | 18.54 | 2.97 | 19.6 | 3.08 |
| | 12 | 10.46 | 1.58 | 12.46 | 1.93 | 14.5 | 2.28 | 15.5 | 2.46 | 16.5 | 2.65 | 18.54 | 3.03 | 19.32 | 3.1 |
| | 14 | 10.46 | 1.61 | 12.46 | 1.96 | 14.5 | 2.32 | 15.5 | 2.51 | 16.5 | 2.7 | 18.54 | 3.09 | 19.1 | 3.14 |
| | 16 | 10.46 | 1.64 | 12.46 | 2 | 14.5 | 2.37 | 15.5 | 2.56 | 16.5 | 2.75 | 18.43 | 3.13 | 18.82 | 3.17 |
| | 18 | 10.46 | 1.68 | 12.46 | 2.03 | 14.5 | 2.41 | 15.5 | 2.61 | 16.5 | 2.81 | 18.21 | 3.23 | 18.6 | 3.25 |
| | 20 | 10.46 | 1.71 | 12.46 | 2.08 | 14.5 | 2.49 | 15.5 | 2.74 | 16.5 | 3.01 | 17.94 | 3.38 | 18.32 | 3.41 |
| | 21 | 10.46 | 1.72 | 12.46 | 2.1 | 14.5 | 2.58 | 15.5 | 2.84 | 16.5 | 3.11 | 17.83 | 3.46 | 18.21 | 3.49 |
| | 23 | 10.46 | 1.77 | 12.46 | 2.24 | 14.5 | 2.76 | 15.5 | 3.04 | 16.5 | 3.34 | 17.6 | 3.62 | 17.94 | 3.65 |
| | 25 | 10.46 | 1.88 | 12.46 | 2.39 | 14.5 | 2.95 | 15.5 | 3.26 | 16.5 | 3.58 | 17.33 | 3.78 | 17.71 | 3.81 |
| | 27 | 10.46 | 2.01 | 12.46 | 2.55 | 14.5 | 3.16 | 15.5 | 3.48 | 16.5 | 3.83 | 17.05 | 3.94 | 17.44 | 3.97 |
| | 29 | 10.46 | 2.14 | 12.46 | 2.72 | 14.5 | 3.37 | 15.5 | 3.72 | 16.44 | 4.06 | 16.83 | 4.1 | 17.22 | 4.13 |
| | 31 | 10.46 | 2.28 | 12.46 | 2.9 | 14.5 | 3.59 | 15.5 | 3.97 | 16.22 | 4.22 | 16.55 | 4.26 | 16.94 | 4.29 |
| | 33 | 10.46 | 2.42 | 12.46 | 3.09 | 14.5 | 3.83 | 15.5 | 4.24 | 15.94 | 4.38 | 16.33 | 4.42 | 16.72 | 4.46 |
| 35 | 10.46 | 2.57 | 12.46 | 3.28 | 14.5 | 4.09 | 15.5 | 4.52 | 15.67 | 4.54 | 16.05 | 4.58 | 16.44 | 4.62 | |
| 37 | 10.46 | 2.74 | 12.46 | 3.5 | 14.5 | 4.36 | 15.22 | 4.68 | 15.44 | 4.7 | 15.83 | 4.74 | 16.16 | 4.78 | |
| 39 | 10.46 | 2.91 | 12.46 | 3.72 | 14.5 | 4.64 | 15 | 4.84 | 15.17 | 4.86 | 15.56 | 4.9 | 15.94 | 4.95 | |
| 41 | 10.46 | 3.04 | 12.46 | 3.85 | 14.5 | 4.81 | 14.77 | 4.87 | 15.05 | 4.94 | 15.29 | 5.02 | 15.71 | 5.05 | |
| 43 | 10.46 | 3.18 | 12.46 | 3.99 | 14.5 | 4.89 | 14.54 | 4.93 | 14.94 | 4.98 | 15.38 | 5.05 | 15.43 | 5.11 | |

MDV-V160W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|---------------|-------|---------------|-------|-------------|-------|---------------|-------|---------------|-------|------------|------|
| | | DB:20.8,WB: | | DB:23.3,WB:16 | | DB:25.8,WB:18 | | DB:27,WB:19 | | DB:28.2,WB:20 | | DB:30.7,WB:22 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 90% | -5 | 9.41 | 1.26 | 11.24 | 1.51 | 13.06 | 1.78 | 13.95 | 1.94 | 14.84 | 2.06 | 16.66 | 2.37 | 18.49 | 2.72 |
| | -2 | 9.41 | 1.27 | 11.24 | 1.52 | 13.06 | 1.8 | 13.95 | 1.97 | 14.84 | 2.09 | 16.66 | 2.39 | 18.49 | 2.74 |
| | 0 | 9.41 | 1.29 | 11.24 | 1.54 | 13.06 | 1.83 | 13.95 | 1.99 | 14.84 | 2.11 | 16.66 | 2.42 | 18.49 | 2.76 |
| | 2 | 9.41 | 1.31 | 11.24 | 1.56 | 13.06 | 1.85 | 13.95 | 2.02 | 14.84 | 2.15 | 16.66 | 2.47 | 18.49 | 2.8 |
| | 4 | 9.41 | 1.33 | 11.24 | 1.58 | 13.06 | 1.88 | 13.95 | 2.05 | 14.84 | 2.17 | 16.66 | 2.51 | 18.49 | 2.84 |
| | 6 | 9.41 | 1.34 | 11.24 | 1.61 | 13.06 | 1.91 | 13.95 | 2.09 | 14.84 | 2.21 | 16.66 | 2.55 | 18.49 | 2.89 |
| | 8 | 9.41 | 1.37 | 11.24 | 1.65 | 13.06 | 1.95 | 13.95 | 2.11 | 14.84 | 2.25 | 16.66 | 2.6 | 18.49 | 2.92 |
| | 10 | 9.41 | 1.39 | 11.24 | 1.68 | 13.06 | 1.99 | 13.95 | 2.14 | 14.84 | 2.3 | 16.66 | 2.63 | 18.49 | 2.97 |
| | 12 | 9.41 | 1.42 | 11.24 | 1.71 | 13.06 | 2.02 | 13.95 | 2.18 | 14.84 | 2.35 | 16.66 | 2.68 | 18.49 | 3.02 |
| | 14 | 9.41 | 1.44 | 11.24 | 1.74 | 13.06 | 2.06 | 13.95 | 2.22 | 14.84 | 2.39 | 16.66 | 2.73 | 18.49 | 3.08 |
| | 16 | 9.41 | 1.47 | 11.24 | 1.77 | 13.06 | 2.1 | 13.95 | 2.27 | 14.84 | 2.44 | 16.66 | 2.78 | 18.43 | 3.13 |
| | 18 | 9.41 | 1.49 | 11.24 | 1.81 | 13.06 | 2.14 | 13.95 | 2.31 | 14.84 | 2.49 | 16.66 | 2.84 | 18.21 | 3.23 |
| | 20 | 9.41 | 1.52 | 11.24 | 1.85 | 13.06 | 2.18 | 13.95 | 2.36 | 14.84 | 2.58 | 16.66 | 3.05 | 17.94 | 3.38 |
| | 21 | 9.41 | 1.54 | 11.24 | 1.86 | 13.06 | 2.22 | 13.95 | 2.44 | 14.84 | 2.67 | 16.66 | 3.16 | 17.83 | 3.46 |
| | 23 | 9.41 | 1.57 | 11.24 | 1.94 | 13.06 | 2.38 | 13.95 | 2.61 | 14.84 | 2.86 | 16.66 | 3.39 | 17.55 | 3.62 |
| | 25 | 9.41 | 1.65 | 11.24 | 2.07 | 13.06 | 2.54 | 13.95 | 2.8 | 14.84 | 3.06 | 16.66 | 3.63 | 17.33 | 3.78 |
| | 27 | 9.41 | 1.75 | 11.24 | 2.21 | 13.06 | 2.71 | 13.95 | 2.98 | 14.84 | 3.27 | 16.66 | 3.89 | 17.05 | 3.93 |
| | 29 | 9.41 | 1.87 | 11.24 | 2.35 | 13.06 | 2.89 | 13.95 | 3.19 | 14.84 | 3.5 | 16.5 | 4.06 | 16.83 | 4.09 |
| | 31 | 9.41 | 1.99 | 11.24 | 2.5 | 13.06 | 3.08 | 13.95 | 3.4 | 14.84 | 3.73 | 16.22 | 4.22 | 16.55 | 4.26 |
| | 33 | 9.41 | 2.11 | 11.24 | 2.66 | 13.06 | 3.29 | 13.95 | 3.62 | 14.84 | 3.98 | 16 | 4.39 | 16.33 | 4.42 |
| 35 | 9.41 | 2.24 | 11.24 | 2.83 | 13.06 | 3.5 | 13.95 | 3.86 | 14.84 | 4.24 | 15.72 | 4.54 | 16.05 | 4.58 | |
| 37 | 9.41 | 2.38 | 11.24 | 3.01 | 13.06 | 3.73 | 13.95 | 4.11 | 14.84 | 4.52 | 15.44 | 4.7 | 15.83 | 4.74 | |
| 39 | 9.41 | 2.52 | 11.24 | 3.2 | 13.06 | 3.97 | 13.95 | 4.38 | 14.84 | 4.81 | 15.22 | 4.87 | 15.56 | 4.9 | |
| 41 | 9.41 | 2.61 | 11.24 | 3.35 | 13.06 | 4.11 | 13.95 | 4.5 | 14.84 | 4.84 | 15.12 | 4.99 | 15.45 | 5.02 | |
| 43 | 9.41 | 2.73 | 11.24 | 3.49 | 13.06 | 4.26 | 13.95 | 4.61 | 14.84 | 4.94 | 15.04 | 5.06 | 15.32 | 5.1 | |
| 80% | -5 | 8.36 | 1.11 | 9.96 | 1.31 | 11.57 | 1.55 | 12.4 | 1.65 | 13.23 | 1.77 | 14.84 | 2.05 | 16.44 | 2.34 |
| | -2 | 8.36 | 1.12 | 9.96 | 1.32 | 11.57 | 1.56 | 12.4 | 1.67 | 13.23 | 1.79 | 14.84 | 2.07 | 16.44 | 2.36 |
| | 0 | 8.36 | 1.14 | 9.96 | 1.34 | 11.57 | 1.58 | 12.4 | 1.69 | 13.23 | 1.82 | 14.84 | 2.1 | 16.44 | 2.39 |
| | 2 | 8.36 | 1.16 | 9.96 | 1.36 | 11.57 | 1.6 | 12.4 | 1.72 | 13.23 | 1.85 | 14.84 | 2.14 | 16.44 | 2.44 |
| | 4 | 8.36 | 1.18 | 9.96 | 1.38 | 11.57 | 1.63 | 12.4 | 1.76 | 13.23 | 1.89 | 14.84 | 2.18 | 16.44 | 2.47 |
| | 6 | 8.36 | 1.2 | 9.96 | 1.42 | 11.57 | 1.66 | 12.4 | 1.8 | 13.23 | 1.92 | 14.84 | 2.21 | 16.44 | 2.51 |
| | 8 | 8.36 | 1.23 | 9.96 | 1.45 | 11.57 | 1.7 | 12.4 | 1.83 | 13.23 | 1.96 | 14.84 | 2.24 | 16.44 | 2.56 |
| | 10 | 8.36 | 1.24 | 9.96 | 1.48 | 11.57 | 1.74 | 12.4 | 1.88 | 13.23 | 2.01 | 14.84 | 2.3 | 16.44 | 2.59 |
| | 12 | 8.36 | 1.26 | 9.96 | 1.5 | 11.57 | 1.77 | 12.4 | 1.91 | 13.23 | 2.05 | 14.84 | 2.34 | 16.44 | 2.64 |
| | 14 | 8.36 | 1.28 | 9.96 | 1.54 | 11.57 | 1.8 | 12.4 | 1.94 | 13.23 | 2.09 | 14.84 | 2.38 | 16.44 | 2.69 |
| | 16 | 8.36 | 1.3 | 9.96 | 1.56 | 11.57 | 1.84 | 12.4 | 1.98 | 13.23 | 2.13 | 14.84 | 2.43 | 16.44 | 2.74 |
| | 18 | 8.36 | 1.32 | 9.96 | 1.59 | 11.57 | 1.88 | 12.4 | 2.02 | 13.23 | 2.17 | 14.84 | 2.48 | 16.44 | 2.79 |
| | 20 | 8.36 | 1.35 | 9.96 | 1.62 | 11.57 | 1.91 | 12.4 | 2.06 | 13.23 | 2.21 | 14.84 | 2.57 | 16.44 | 2.98 |
| | 21 | 8.36 | 1.36 | 9.96 | 1.63 | 11.57 | 1.93 | 12.4 | 2.08 | 13.23 | 2.26 | 14.84 | 2.66 | 16.44 | 3.09 |
| | 23 | 8.36 | 1.38 | 9.96 | 1.67 | 11.57 | 2.02 | 12.4 | 2.22 | 13.23 | 2.42 | 14.84 | 2.85 | 16.44 | 3.32 |
| | 25 | 8.36 | 1.43 | 9.96 | 1.77 | 11.57 | 2.16 | 12.4 | 2.37 | 13.23 | 2.58 | 14.84 | 3.05 | 16.44 | 3.55 |
| | 27 | 8.36 | 1.52 | 9.96 | 1.89 | 11.57 | 2.3 | 12.4 | 2.53 | 13.23 | 2.76 | 14.84 | 3.26 | 16.44 | 3.8 |
| | 29 | 8.36 | 1.61 | 9.96 | 2.01 | 11.57 | 2.46 | 12.4 | 2.69 | 13.23 | 2.95 | 14.84 | 3.48 | 16.44 | 4.06 |
| | 31 | 8.36 | 1.71 | 9.96 | 2.14 | 11.57 | 2.61 | 12.4 | 2.87 | 13.23 | 3.14 | 14.84 | 3.72 | 16.16 | 4.22 |
| | 33 | 8.36 | 1.82 | 9.96 | 2.27 | 11.57 | 2.78 | 12.4 | 3.06 | 13.23 | 3.34 | 14.84 | 3.96 | 15.94 | 4.38 |
| 35 | 8.36 | 1.93 | 9.96 | 2.42 | 11.57 | 2.96 | 12.4 | 3.25 | 13.23 | 3.56 | 14.84 | 4.22 | 15.67 | 4.54 | |
| 37 | 8.36 | 2.05 | 9.96 | 2.56 | 11.57 | 3.15 | 12.4 | 3.47 | 13.23 | 3.8 | 14.84 | 4.5 | 15.44 | 4.7 | |
| 39 | 8.36 | 2.17 | 9.96 | 2.74 | 11.57 | 3.35 | 12.4 | 3.69 | 13.23 | 4.04 | 14.84 | 4.79 | 15.17 | 4.86 | |
| 41 | 8.36 | 2.22 | 9.96 | 2.76 | 11.57 | 3.4 | 12.4 | 3.78 | 13.23 | 4.11 | 14.84 | 4.92 | 15.07 | 4.95 | |
| 43 | 8.36 | 2.28 | 9.96 | 2.78 | 11.57 | 3.45 | 12.4 | 3.85 | 13.23 | 4.17 | 14.84 | 4.97 | 14.98 | 5 | |

MDV-V160W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|---------------|-------|---------------|-------|-------------|-------|---------------|-------|---------------|-------|------------|------|
| | | DB:20.8,WB | | DB:23.3,WB:16 | | DB:25.8,WB:18 | | DB:27,WB:19 | | DB:28.2,WB:20 | | DB:30.7,WB:22 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -5 | 7.31 | 0.99 | 8.75 | 1.16 | 10.13 | 1.31 | 10.85 | 1.41 | 11.57 | 1.5 | 12.95 | 1.72 | 14.39 | 1.97 |
| | -2 | 7.31 | 1 | 8.75 | 1.16 | 10.13 | 1.32 | 10.85 | 1.43 | 11.57 | 1.53 | 12.95 | 1.74 | 14.39 | 2 |
| | 0 | 7.31 | 1 | 8.75 | 1.18 | 10.13 | 1.35 | 10.85 | 1.46 | 11.57 | 1.56 | 12.95 | 1.78 | 14.39 | 2.03 |
| | 2 | 7.31 | 1.01 | 8.75 | 1.18 | 10.13 | 1.37 | 10.85 | 1.49 | 11.57 | 1.58 | 12.95 | 1.82 | 14.39 | 2.06 |
| | 4 | 7.31 | 1.02 | 8.75 | 1.21 | 10.13 | 1.4 | 10.85 | 1.51 | 11.57 | 1.62 | 12.95 | 1.85 | 14.39 | 2.11 |
| | 6 | 7.31 | 1.04 | 8.75 | 1.24 | 10.13 | 1.43 | 10.85 | 1.56 | 11.57 | 1.66 | 12.95 | 1.88 | 14.39 | 2.15 |
| | 8 | 7.31 | 1.05 | 8.75 | 1.27 | 10.13 | 1.47 | 10.85 | 1.59 | 11.57 | 1.69 | 12.95 | 1.93 | 14.39 | 2.19 |
| | 10 | 7.31 | 1.08 | 8.75 | 1.29 | 10.13 | 1.5 | 10.85 | 1.62 | 11.57 | 1.74 | 12.95 | 1.97 | 14.39 | 2.22 |
| | 12 | 7.31 | 1.1 | 8.75 | 1.31 | 10.13 | 1.54 | 10.85 | 1.65 | 11.57 | 1.77 | 12.95 | 2.01 | 14.39 | 2.26 |
| | 14 | 7.31 | 1.12 | 8.75 | 1.33 | 10.13 | 1.56 | 10.85 | 1.68 | 11.57 | 1.8 | 12.95 | 2.05 | 14.39 | 2.3 |
| | 16 | 7.31 | 1.14 | 8.75 | 1.36 | 10.13 | 1.59 | 10.85 | 1.71 | 11.57 | 1.83 | 12.95 | 2.08 | 14.39 | 2.35 |
| | 18 | 7.31 | 1.16 | 8.75 | 1.38 | 10.13 | 1.62 | 10.85 | 1.74 | 11.57 | 1.86 | 12.95 | 2.13 | 14.39 | 2.39 |
| | 20 | 7.31 | 1.18 | 8.75 | 1.41 | 10.13 | 1.65 | 10.85 | 1.77 | 11.57 | 1.9 | 12.95 | 2.17 | 14.39 | 2.46 |
| | 21 | 7.31 | 1.19 | 8.75 | 1.42 | 10.13 | 1.66 | 10.85 | 1.79 | 11.57 | 1.92 | 12.95 | 2.2 | 14.39 | 2.55 |
| | 23 | 7.31 | 1.21 | 8.75 | 1.44 | 10.13 | 1.7 | 10.85 | 1.85 | 11.57 | 2.02 | 12.95 | 2.36 | 14.39 | 2.73 |
| | 25 | 7.31 | 1.23 | 8.75 | 1.5 | 10.13 | 1.81 | 10.85 | 1.98 | 11.57 | 2.15 | 12.95 | 2.52 | 14.39 | 2.92 |
| | 27 | 7.31 | 1.3 | 8.75 | 1.6 | 10.13 | 1.93 | 10.85 | 2.11 | 11.57 | 2.3 | 12.95 | 2.69 | 14.39 | 3.12 |
| | 29 | 7.31 | 1.38 | 8.75 | 1.7 | 10.13 | 2.05 | 10.85 | 2.25 | 11.57 | 2.44 | 12.95 | 2.87 | 14.39 | 3.33 |
| | 31 | 7.31 | 1.46 | 8.75 | 1.8 | 10.13 | 2.19 | 10.85 | 2.39 | 11.57 | 2.6 | 12.95 | 3.06 | 14.39 | 3.55 |
| | 33 | 7.31 | 1.55 | 8.75 | 1.92 | 10.13 | 2.33 | 10.85 | 2.54 | 11.57 | 2.77 | 12.95 | 3.26 | 14.39 | 3.79 |
| 35 | 7.31 | 1.64 | 8.75 | 2.03 | 10.13 | 2.47 | 10.85 | 2.7 | 11.57 | 2.95 | 12.95 | 3.47 | 14.39 | 4.04 | |
| 37 | 7.31 | 1.74 | 8.75 | 2.16 | 10.13 | 2.63 | 10.85 | 2.87 | 11.57 | 3.14 | 12.95 | 3.7 | 14.39 | 4.3 | |
| 39 | 7.31 | 1.84 | 8.75 | 2.28 | 10.13 | 2.78 | 10.85 | 3.05 | 11.57 | 3.33 | 12.95 | 3.93 | 14.39 | 4.58 | |
| 41 | 7.31 | 1.92 | 8.75 | 2.37 | 10.13 | 2.87 | 10.85 | 3.15 | 11.57 | 3.43 | 12.95 | 4.09 | 14.39 | 4.78 | |
| 43 | 7.31 | 2.08 | 8.75 | 2.53 | 10.13 | 2.98 | 10.85 | 3.32 | 11.57 | 3.54 | 12.95 | 4.24 | 14.39 | 4.93 | |
| 60% | -5 | 6.26 | 0.84 | 7.47 | 0.98 | 8.69 | 1.14 | 9.3 | 1.21 | 9.91 | 1.31 | 11.13 | 1.47 | 12.34 | 1.69 |
| | -2 | 6.26 | 0.85 | 7.47 | 0.99 | 8.69 | 1.16 | 9.3 | 1.23 | 9.91 | 1.32 | 11.13 | 1.49 | 12.34 | 1.7 |
| | 0 | 6.26 | 0.86 | 7.47 | 1 | 8.69 | 1.17 | 9.3 | 1.25 | 9.91 | 1.34 | 11.13 | 1.51 | 12.34 | 1.72 |
| | 2 | 6.26 | 0.88 | 7.47 | 1.03 | 8.69 | 1.2 | 9.3 | 1.27 | 9.91 | 1.36 | 11.13 | 1.55 | 12.34 | 1.74 |
| | 4 | 6.26 | 0.9 | 7.47 | 1.05 | 8.69 | 1.22 | 9.3 | 1.29 | 9.91 | 1.38 | 11.13 | 1.57 | 12.34 | 1.77 |
| | 6 | 6.26 | 0.91 | 7.47 | 1.07 | 8.69 | 1.24 | 9.3 | 1.31 | 9.91 | 1.41 | 11.13 | 1.6 | 12.34 | 1.81 |
| | 8 | 6.26 | 0.93 | 7.47 | 1.08 | 8.69 | 1.27 | 9.3 | 1.34 | 9.91 | 1.44 | 11.13 | 1.63 | 12.34 | 1.84 |
| | 10 | 6.26 | 0.94 | 7.47 | 1.11 | 8.69 | 1.29 | 9.3 | 1.38 | 9.91 | 1.47 | 11.13 | 1.66 | 12.34 | 1.86 |
| | 12 | 6.26 | 0.96 | 7.47 | 1.13 | 8.69 | 1.31 | 9.3 | 1.4 | 9.91 | 1.49 | 11.13 | 1.69 | 12.34 | 1.89 |
| | 14 | 6.26 | 0.97 | 7.47 | 1.14 | 8.69 | 1.33 | 9.3 | 1.43 | 9.91 | 1.52 | 11.13 | 1.72 | 12.34 | 1.93 |
| | 16 | 6.26 | 0.99 | 7.47 | 1.16 | 8.69 | 1.35 | 9.3 | 1.45 | 9.91 | 1.55 | 11.13 | 1.75 | 12.34 | 1.97 |
| | 18 | 6.26 | 1 | 7.47 | 1.18 | 8.69 | 1.38 | 9.3 | 1.47 | 9.91 | 1.58 | 11.13 | 1.78 | 12.34 | 2 |
| | 20 | 6.26 | 1.02 | 7.47 | 1.21 | 8.69 | 1.4 | 9.3 | 1.5 | 9.91 | 1.61 | 11.13 | 1.82 | 12.34 | 2.05 |
| | 21 | 6.26 | 1.03 | 7.47 | 1.21 | 8.69 | 1.41 | 9.3 | 1.52 | 9.91 | 1.62 | 11.13 | 1.84 | 12.34 | 2.06 |
| | 23 | 6.26 | 1.04 | 7.47 | 1.24 | 8.69 | 1.44 | 9.3 | 1.55 | 9.91 | 1.65 | 11.13 | 1.91 | 12.34 | 2.2 |
| | 25 | 6.26 | 1.06 | 7.47 | 1.25 | 8.69 | 1.49 | 9.3 | 1.62 | 9.91 | 1.75 | 11.13 | 2.04 | 12.34 | 2.34 |
| | 27 | 6.26 | 1.1 | 7.47 | 1.33 | 8.69 | 1.59 | 9.3 | 1.73 | 9.91 | 1.87 | 11.13 | 2.17 | 12.34 | 2.5 |
| | 29 | 6.26 | 1.16 | 7.47 | 1.41 | 8.69 | 1.69 | 9.3 | 1.84 | 9.91 | 1.99 | 11.13 | 2.32 | 12.34 | 2.67 |
| | 31 | 6.26 | 1.24 | 7.47 | 1.5 | 8.69 | 1.8 | 9.3 | 1.96 | 9.91 | 2.12 | 11.13 | 2.47 | 12.34 | 2.84 |
| | 33 | 6.26 | 1.3 | 7.47 | 1.59 | 8.69 | 1.91 | 9.3 | 2.08 | 9.91 | 2.25 | 11.13 | 2.63 | 12.34 | 3.03 |
| 35 | 6.26 | 1.38 | 7.47 | 1.69 | 8.69 | 2.02 | 9.3 | 2.2 | 9.91 | 2.39 | 11.13 | 2.8 | 12.34 | 3.23 | |
| 37 | 6.26 | 1.46 | 7.47 | 1.78 | 8.69 | 2.14 | 9.3 | 2.34 | 9.91 | 2.54 | 11.13 | 2.97 | 12.34 | 3.44 | |
| 39 | 6.26 | 1.54 | 7.47 | 1.89 | 8.69 | 2.27 | 9.3 | 2.48 | 9.91 | 2.7 | 11.13 | 3.15 | 12.34 | 3.65 | |
| 41 | 6.26 | 1.59 | 7.47 | 1.97 | 8.69 | 2.35 | 9.3 | 2.58 | 9.91 | 2.8 | 11.13 | 3.3 | 12.34 | 3.82 | |
| 43 | 6.26 | 1.64 | 7.47 | 2.05 | 8.69 | 2.44 | 9.3 | 2.66 | 9.91 | 2.9 | 11.13 | 3.44 | 12.34 | 3.99 | |

MDV-V160W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|---------------|------|---------------|------|-------------|------|---------------|------|---------------|------|-------------|------|
| | | DB:20.8,WB:14 | | DB:23.3,WB:16 | | DB:25.8,WB:18 | | DB:27,WB:19 | | DB:28.2,WB:20 | | DB:30.7,WB:22 | | DB:32,WB:24 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 50% | -5 | 5.23 | 0.73 | 6.26 | 0.85 | 7.25 | 0.97 | 7.75 | 1.02 | 8.25 | 1.07 | 9.24 | 1.22 | 10.3 | 1.32 |
| | -2 | 5.23 | 0.74 | 6.26 | 0.86 | 7.25 | 0.98 | 7.75 | 1.03 | 8.25 | 1.09 | 9.24 | 1.24 | 10.3 | 1.33 |
| | 0 | 5.23 | 0.75 | 6.26 | 0.88 | 7.25 | 1 | 7.75 | 1.05 | 8.25 | 1.11 | 9.24 | 1.26 | 10.3 | 1.36 |
| | 2 | 5.23 | 0.76 | 6.26 | 0.89 | 7.25 | 1.02 | 7.75 | 1.06 | 8.25 | 1.12 | 9.24 | 1.26 | 10.3 | 1.38 |
| | 4 | 5.23 | 0.77 | 6.26 | 0.9 | 7.25 | 1.03 | 7.75 | 1.07 | 8.25 | 1.15 | 9.24 | 1.29 | 10.3 | 1.42 |
| | 6 | 5.23 | 0.78 | 6.26 | 0.92 | 7.25 | 1.04 | 7.75 | 1.1 | 8.25 | 1.17 | 9.24 | 1.31 | 10.3 | 1.46 |
| | 8 | 5.23 | 0.8 | 6.26 | 0.93 | 7.25 | 1.06 | 7.75 | 1.12 | 8.25 | 1.18 | 9.24 | 1.34 | 10.3 | 1.51 |
| | 10 | 5.23 | 0.82 | 6.26 | 0.94 | 7.25 | 1.08 | 7.75 | 1.14 | 8.25 | 1.22 | 9.24 | 1.37 | 10.3 | 1.53 |
| | 12 | 5.23 | 0.82 | 6.26 | 0.96 | 7.25 | 1.1 | 7.75 | 1.16 | 8.25 | 1.24 | 9.24 | 1.39 | 10.3 | 1.55 |
| | 14 | 5.23 | 0.83 | 6.26 | 0.97 | 7.25 | 1.11 | 7.75 | 1.19 | 8.25 | 1.26 | 9.24 | 1.42 | 10.3 | 1.58 |
| | 16 | 5.23 | 0.85 | 6.26 | 0.98 | 7.25 | 1.13 | 7.75 | 1.21 | 8.25 | 1.28 | 9.24 | 1.44 | 10.3 | 1.61 |
| | 18 | 5.23 | 0.86 | 6.26 | 1 | 7.25 | 1.15 | 7.75 | 1.22 | 8.25 | 1.3 | 9.24 | 1.47 | 10.3 | 1.64 |
| | 20 | 5.23 | 0.87 | 6.26 | 1.01 | 7.25 | 1.16 | 7.75 | 1.24 | 8.25 | 1.33 | 9.24 | 1.49 | 10.3 | 1.67 |
| | 21 | 5.23 | 0.88 | 6.26 | 1.02 | 7.25 | 1.18 | 7.75 | 1.25 | 8.25 | 1.34 | 9.24 | 1.51 | 10.3 | 1.69 |
| | 23 | 5.23 | 0.89 | 6.26 | 1.04 | 7.25 | 1.19 | 7.75 | 1.28 | 8.25 | 1.36 | 9.24 | 1.53 | 10.3 | 1.72 |
| | 25 | 5.23 | 0.9 | 6.26 | 1.05 | 7.25 | 1.22 | 7.75 | 1.3 | 8.25 | 1.41 | 9.24 | 1.61 | 10.3 | 1.84 |
| | 27 | 5.23 | 0.92 | 6.26 | 1.1 | 7.25 | 1.29 | 7.75 | 1.39 | 8.25 | 1.49 | 9.24 | 1.72 | 10.3 | 1.96 |
| | 29 | 5.23 | 0.97 | 6.26 | 1.16 | 7.25 | 1.36 | 7.75 | 1.47 | 8.25 | 1.59 | 9.24 | 1.83 | 10.3 | 2.09 |
| | 31 | 5.23 | 1.02 | 6.26 | 1.22 | 7.25 | 1.44 | 7.75 | 1.57 | 8.25 | 1.69 | 9.24 | 1.94 | 10.3 | 2.22 |
| | 33 | 5.23 | 1.08 | 6.26 | 1.3 | 7.25 | 1.53 | 7.75 | 1.66 | 8.25 | 1.79 | 9.24 | 2.06 | 10.3 | 2.36 |
| 35 | 5.23 | 1.15 | 6.26 | 1.37 | 7.25 | 1.62 | 7.75 | 1.75 | 8.25 | 1.89 | 9.24 | 2.19 | 10.3 | 2.51 | |
| 37 | 5.23 | 1.21 | 6.26 | 1.45 | 7.25 | 1.72 | 7.75 | 1.86 | 8.25 | 2.01 | 9.24 | 2.33 | 10.3 | 2.67 | |
| 39 | 5.23 | 1.27 | 6.26 | 1.53 | 7.25 | 1.82 | 7.75 | 1.97 | 8.25 | 2.13 | 9.24 | 2.47 | 10.3 | 2.83 | |
| 41 | 5.23 | 1.33 | 6.26 | 1.59 | 7.25 | 1.88 | 7.75 | 2.06 | 8.25 | 2.22 | 9.24 | 2.6 | 10.3 | 2.96 | |
| 43 | 5.23 | 1.41 | 6.26 | 1.7 | 7.25 | 1.95 | 7.75 | 2.15 | 8.25 | 2.28 | 9.24 | 2.73 | 10.3 | 3.1 | |

Note:

1. [] is tested under our standard condition.
2. In cooling mode, avoid running the unit when outdoor air temperature is above 43 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V160W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|------------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | |
| 130% | -13.7 | -15 | 12.09 | 3.77 | 12.04 | 3.99 | 11.98 | 4.21 | 11.98 | 4.31 | 11.93 | 4.42 | 11.93 | 4.64 |
| | -11.8 | -13 | 12.58 | 3.94 | 12.58 | 4.15 | 12.52 | 4.35 | 12.47 | 4.46 | 12.47 | 4.57 | 12.41 | 4.77 |
| | -9.8 | -11 | 13.17 | 4.11 | 13.11 | 4.31 | 13.06 | 4.51 | 13.06 | 4.61 | 13.06 | 4.71 | 13.01 | 4.91 |
| | -9.5 | -10 | 13.49 | 4.2 | 13.44 | 4.39 | 13.38 | 4.58 | 13.38 | 4.68 | 13.33 | 4.78 | 13.33 | 4.97 |
| | -8.5 | -9.1 | 13.76 | 4.27 | 13.71 | 4.46 | 13.71 | 4.65 | 13.65 | 4.75 | 13.65 | 4.84 | 13.6 | 5.03 |
| | -7 | -7.6 | 14.25 | 4.4 | 14.25 | 4.58 | 14.19 | 4.76 | 14.19 | 4.86 | 14.14 | 4.94 | 14.08 | 5.13 |
| | -5 | -5.6 | 15 | 4.57 | 14.95 | 4.74 | 14.89 | 4.91 | 14.89 | 5 | 14.84 | 5.08 | 14.84 | 5.25 |
| | -3 | -3.7 | 15.71 | 4.71 | 15.65 | 4.88 | 15.65 | 5.04 | 15.6 | 5.13 | 15.6 | 5.21 | 15.54 | 5.37 |
| | 0 | -0.7 | 16.95 | 4.94 | 16.95 | 5.1 | 16.89 | 5.25 | 16.89 | 5.3 | 16.84 | 5.4 | 16.84 | 5.55 |
| | 3 | 2.2 | 18.29 | 5.15 | 18.24 | 5.29 | 18.19 | 5.43 | 18.19 | 5.5 | 18.19 | 5.58 | 18.13 | 5.71 |
| | 5 | 4.1 | 19.21 | 5.28 | 19.16 | 5.41 | 19.16 | 5.54 | 19.11 | 5.61 | 19.11 | 5.68 | 19.05 | 5.81 |
| | 7 | 6 | 20.18 | 5.4 | 20.13 | 5.53 | 20.13 | 5.66 | 20.08 | 5.72 | 20.08 | 5.78 | 19.27 | 5.55 |
| | 9 | 7.9 | 21.21 | 5.51 | 21.15 | 5.64 | 21.15 | 5.75 | 21.1 | 5.82 | 20.67 | 5.69 | 19.27 | 5.22 |
| | 11 | 9.8 | 22.29 | 5.62 | 22.24 | 5.74 | 22.13 | 5.81 | 21.37 | 5.58 | 20.67 | 5.35 | 19.27 | 4.91 |
| | 13 | 11.8 | 23.48 | 5.73 | 23.42 | 5.84 | 22.13 | 5.45 | 21.37 | 5.23 | 20.67 | 5.02 | 19.27 | 4.61 |
| 15 | 13.7 | 24.61 | 5.83 | 23.53 | 5.53 | 22.13 | 5.13 | 21.37 | 4.93 | 20.67 | 4.73 | 19.27 | 4.35 | |
| 120% | -13.7 | -15 | 12.04 | 4.06 | 11.98 | 4.26 | 11.93 | 4.46 | 11.93 | 4.57 | 11.93 | 4.66 | 11.87 | 4.86 |
| | -11.8 | -13 | 12.52 | 4.22 | 12.52 | 4.41 | 12.47 | 4.6 | 12.47 | 4.7 | 12.41 | 4.79 | 12.41 | 4.99 |
| | -9.8 | -11 | 13.11 | 4.38 | 13.06 | 4.56 | 13.06 | 4.75 | 13.01 | 4.84 | 13.01 | 4.93 | 12.95 | 5.11 |
| | -9.5 | -10 | 13.44 | 4.46 | 13.39 | 4.64 | 13.33 | 4.81 | 13.33 | 4.91 | 13.33 | 4.99 | 13.28 | 5.17 |
| | -8.5 | -9.1 | 13.71 | 4.53 | 13.65 | 4.7 | 13.65 | 4.88 | 13.6 | 4.96 | 13.6 | 5.06 | 13.55 | 5.23 |
| | -7 | -7.6 | 14.19 | 4.65 | 14.19 | 4.81 | 14.14 | 4.98 | 14.14 | 5.07 | 14.09 | 5.15 | 14.09 | 5.32 |
| | -5 | -5.6 | 14.95 | 4.79 | 14.9 | 4.96 | 14.84 | 5.12 | 14.84 | 5.2 | 14.84 | 5.28 | 14.79 | 5.43 |
| | -3 | -3.7 | 15.65 | 4.94 | 15.65 | 5.09 | 15.6 | 5.24 | 15.6 | 5.32 | 15.54 | 5.4 | 15.54 | 5.54 |
| | 0 | -0.7 | 16.89 | 5.15 | 16.89 | 5.29 | 16.84 | 5.43 | 16.84 | 5.5 | 16.78 | 5.57 | 16.78 | 5.71 |
| | 3 | 2.2 | 18.24 | 5.34 | 18.19 | 5.47 | 18.19 | 5.6 | 18.13 | 5.67 | 18.13 | 5.73 | 17.76 | 5.7 |
| | 5 | 4.1 | 19.16 | 5.46 | 19.11 | 5.58 | 19.11 | 5.71 | 19.05 | 5.77 | 19.05 | 5.83 | 17.76 | 5.35 |
| | 7 | 6 | 20.13 | 5.57 | 20.13 | 5.69 | 20.08 | 5.8 | 19.75 | 5.72 | 19.11 | 5.49 | 17.76 | 5.04 |
| | 9 | 7.9 | 21.16 | 5.68 | 21.1 | 5.79 | 20.4 | 5.6 | 19.75 | 5.38 | 19.11 | 5.16 | 17.76 | 4.74 |
| | 11 | 9.8 | 22.24 | 5.78 | 21.7 | 5.68 | 20.4 | 5.27 | 19.75 | 5.06 | 19.11 | 4.86 | 17.76 | 4.47 |
| | 13 | 11.8 | 23.04 | 5.72 | 21.7 | 5.33 | 20.4 | 4.94 | 19.75 | 4.75 | 19.11 | 4.57 | 17.76 | 4.2 |
| 15 | 13.7 | 23.04 | 5.39 | 21.7 | 5.02 | 20.4 | 4.66 | 19.75 | 4.48 | 19.11 | 4.31 | 17.76 | 3.96 | |
| 110% | -13.7 | -15 | 11.98 | 4.36 | 11.93 | 4.54 | 11.87 | 4.72 | 11.87 | 4.81 | 11.87 | 4.91 | 11.82 | 5.09 |
| | -11.8 | -13 | 12.47 | 4.5 | 12.47 | 4.68 | 12.41 | 4.85 | 12.41 | 4.94 | 12.36 | 5.02 | 12.36 | 5.2 |
| | -9.8 | -11 | 13.06 | 4.65 | 13.01 | 4.81 | 13.01 | 4.98 | 12.95 | 5.07 | 12.95 | 5.15 | 12.95 | 5.32 |
| | -9.5 | -10 | 13.38 | 4.72 | 13.33 | 4.88 | 13.28 | 5.05 | 13.28 | 5.13 | 13.28 | 5.21 | 13.22 | 5.37 |
| | -8.5 | -9.1 | 13.65 | 4.78 | 13.6 | 4.94 | 13.6 | 5.1 | 13.55 | 5.19 | 13.55 | 5.27 | 13.55 | 4.8 |
| | -7 | -7.6 | 14.14 | 4.89 | 14.14 | 5.04 | 14.09 | 5.2 | 14.09 | 5.28 | 14.09 | 5.35 | 14.03 | 5.51 |
| | -5 | -5.6 | 14.9 | 5.03 | 14.84 | 5.18 | 14.79 | 5.32 | 14.79 | 5.4 | 14.79 | 5.47 | 14.73 | 5.62 |
| | -3 | -3.7 | 15.6 | 5.16 | 15.6 | 5.3 | 15.54 | 5.44 | 15.54 | 5.51 | 15.49 | 5.58 | 15.49 | 5.72 |
| | 0 | -0.7 | 16.84 | 5.35 | 16.84 | 5.48 | 16.79 | 5.61 | 16.79 | 5.67 | 16.79 | 5.74 | 16.3 | 5.63 |
| | 3 | 2.2 | 18.19 | 5.53 | 18.13 | 5.65 | 18.13 | 5.77 | 18.08 | 5.82 | 17.49 | 5.59 | 16.3 | 5.12 |
| | 5 | 4.1 | 19.11 | 5.64 | 19.11 | 5.75 | 18.73 | 5.7 | 18.08 | 5.47 | 17.49 | 5.25 | 16.3 | 4.82 |
| | 7 | 6 | 20.08 | 5.74 | 19.91 | 5.78 | 18.73 | 5.35 | 18.08 | 5.14 | 17.49 | 4.94 | 16.3 | 4.53 |
| | 9 | 7.9 | 21.1 | 5.84 | 19.91 | 5.43 | 18.73 | 5.04 | 18.08 | 4.84 | 17.49 | 4.65 | 16.3 | 4.27 |
| | 11 | 9.8 | 21.1 | 5.49 | 19.91 | 5.11 | 18.73 | 4.74 | 18.08 | 4.56 | 17.49 | 4.38 | 16.3 | 4.03 |
| | 13 | 11.8 | 21.1 | 5.15 | 19.91 | 4.79 | 18.73 | 4.45 | 18.08 | 4.29 | 17.49 | 4.12 | 16.3 | 3.8 |
| 15 | 13.7 | 21.1 | 4.57 | 19.91 | 4.52 | 18.73 | 4.21 | 18.08 | 4.05 | 17.49 | 3.9 | 16.3 | 3.59 | |

MDV-V160W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|---------------------------------|-------|---------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | |
| 100% | -13.7 | -15 | 11.93 | 4.65 | 11.87 | 4.81 | 11.82 | 4.98 | 11.82 | 5.07 | 11.82 | 5.15 | 11.77 | 5.31 |
| | -11.8 | -13 | 12.41 | 4.78 | 12.41 | 4.94 | 12.36 | 5.1 | 12.36 | 5.18 | 12.36 | 5.26 | 12.3 | 5.42 |
| | -9.8 | -11 | 13.01 | 4.91 | 12.95 | 5.07 | 12.95 | 5.22 | 12.95 | 5.3 | 12.9 | 5.37 | 12.9 | 5.52 |
| | -9.5 | -10 | 13.33 | 4.98 | 13.28 | 5.13 | 13.28 | 5.28 | 13.22 | 5.35 | 13.22 | 5.43 | 13.17 | 5.58 |
| | -8.5 | -9.1 | 13.6 | 5.04 | 13.55 | 5.18 | 13.55 | 5.33 | 13.55 | 5.4 | 13.49 | 5.48 | 13.49 | 5.62 |
| | -7 | -7.6 | 14.09 | 5.14 | 14.09 | 5.28 | 14.03 | 5.41 | 14.03 | 5.49 | 14.03 | 5.56 | 13.98 | 5.7 |
| | -5 | -5.6 | 14.84 | 5.27 | 14.79 | 5.4 | 14.79 | 5.53 | 14.73 | 5.59 | 14.73 | 5.66 | 14.68 | 5.8 |
| | -3 | -3.7 | 15.54 | 5.38 | 15.54 | 4.89 | 15.49 | 5.64 | 15.49 | 5.7 | 15.49 | 5.76 | 14.84 | 5.52 |
| | 0 | -0.7 | 16.78 | 5.56 | 16.78 | 5.67 | 16.73 | 5.79 | 16.46 | 5.7 | 15.92 | 5.46 | 14.84 | 5.01 |
| | 3 | 2.2 | 18.13 | 5.72 | 18.08 | 5.82 | 17 | 5.39 | 16.46 | 5.18 | 15.92 | 4.97 | 14.84 | 4.57 |
| | 5 | 4.1 | 19.05 | 5.82 | 18.08 | 5.47 | 17 | 5.07 | 16.46 | 4.87 | 15.92 | 4.68 | 14.84 | 4.31 |
| | 7 | 6 | 19.16 | 5.53 | 18.08 | 5.14 | 17 | 4.77 | 16.46 | 4.59 | 15.92 | 4.41 | 14.84 | 4.06 |
| | 9 | 7.9 | 19.16 | 5.19 | 18.08 | 4.84 | 17 | 4.49 | 16.46 | 4.27 | 15.92 | 4.16 | 14.84 | 3.83 |
| | 11 | 9.8 | 19.16 | 4.89 | 18.08 | 4.56 | 17 | 4.24 | 16.46 | 4.08 | 15.92 | 3.92 | 14.84 | 3.62 |
| | 13 | 11.8 | 19.16 | 4.59 | 18.08 | 4.29 | 17 | 3.99 | 16.46 | 3.84 | 15.92 | 3.7 | 14.84 | 3.41 |
| 15 | 13.7 | 19.16 | 4.33 | 18.08 | 4.05 | 17 | 3.77 | 16.46 | 3.63 | 15.92 | 3.49 | 14.84 | 3.23 | |
| 90% | -13.7 | -15 | 11.85 | 4.94 | 11.8 | 5.09 | 11.8 | 5.24 | 11.74 | 5.31 | 11.74 | 5.39 | 11.74 | 5.54 |
| | -11.8 | -13 | 12.34 | 5.06 | 12.34 | 5.2 | 12.28 | 5.35 | 12.28 | 5.42 | 12.28 | 5.49 | 12.23 | 5.63 |
| | -9.8 | -11 | 12.93 | 5.18 | 12.93 | 5.32 | 12.87 | 5.45 | 12.87 | 5.52 | 12.87 | 5.59 | 12.82 | 5.73 |
| | -9.5 | -10 | 13.25 | 5.24 | 13.2 | 5.38 | 13.2 | 5.51 | 13.15 | 5.58 | 13.15 | 5.64 | 13.15 | 5.77 |
| | -8.5 | -9.1 | 13.52 | 5.3 | 13.52 | 5.43 | 13.47 | 5.56 | 13.47 | 5.62 | 13.47 | 5.69 | 13.31 | 5.74 |
| | -7 | -7.6 | 14.01 | 5.38 | 14.01 | 5.51 | 13.95 | 5.64 | 13.95 | 5.7 | 13.95 | 5.76 | 13.31 | 5.48 |
| | -5 | -5.6 | 14.76 | 5.5 | 14.71 | 5.62 | 14.71 | 5.74 | 14.65 | 5.8 | 14.28 | 5.62 | 13.31 | 5.15 |
| | -3 | -3.7 | 15.46 | 5.61 | 15.46 | 5.72 | 15.3 | 5.74 | 14.76 | 5.51 | 14.28 | 5.29 | 13.31 | 4.86 |
| | 0 | -0.7 | 16.76 | 5.77 | 16.27 | 5.62 | 15.3 | 5.21 | 14.76 | 5.01 | 14.28 | 4.81 | 13.31 | 4.42 |
| | 3 | 2.2 | 17.24 | 5.49 | 16.27 | 5.12 | 15.3 | 4.75 | 14.76 | 4.57 | 14.28 | 4.39 | 13.31 | 4.04 |
| | 5 | 4.1 | 17.24 | 5.17 | 16.27 | 4.81 | 15.3 | 4.47 | 14.76 | 4.3 | 14.28 | 4.14 | 13.31 | 3.81 |
| | 7 | 6 | 17.24 | 4.86 | 16.27 | 4.53 | 15.3 | 4.21 | 14.76 | 4.06 | 14.28 | 3.9 | 13.31 | 3.6 |
| | 9 | 7.9 | 17.24 | 4.58 | 16.27 | 4.27 | 15.3 | 3.97 | 14.76 | 3.83 | 14.28 | 3.69 | 13.31 | 3.4 |
| | 11 | 9.8 | 17.24 | 4.31 | 16.27 | 4.03 | 15.3 | 3.75 | 14.76 | 3.62 | 14.28 | 3.48 | 13.31 | 3.22 |
| | 13 | 11.8 | 17.24 | 4.06 | 16.27 | 3.8 | 15.3 | 3.54 | 14.76 | 3.41 | 14.28 | 3.29 | 13.31 | 3.04 |
| 15 | 13.7 | 17.24 | 3.83 | 16.27 | 3.59 | 15.3 | 3.35 | 14.76 | 3.23 | 14.28 | 3.12 | 13.31 | 2.89 | |
| 80% | -13.7 | -15 | 11.82 | 5.23 | 11.77 | 5.36 | 11.77 | 5.5 | 11.77 | 5.56 | 11.71 | 5.63 | 11.71 | 5.77 |
| | -11.8 | -13 | 12.31 | 5.34 | 12.31 | 5.47 | 12.25 | 5.59 | 12.25 | 5.66 | 12.25 | 5.72 | 11.87 | 5.57 |
| | -9.8 | -11 | 12.9 | 5.45 | 12.9 | 5.57 | 12.84 | 5.69 | 12.84 | 5.75 | 12.74 | 5.74 | 11.87 | 5.26 |
| | -9.5 | -10 | 13.22 | 5.5 | 13.17 | 5.62 | 13.17 | 5.74 | 13.17 | 5.8 | 12.74 | 5.57 | 11.87 | 5.1 |
| | -8.5 | -9.1 | 13.49 | 5.55 | 12.54 | 5.67 | 13.44 | 5.78 | 13.17 | 5.65 | 12.74 | 5.42 | 11.87 | 4.97 |
| | -7 | -7.6 | 13.98 | 5.63 | 13.98 | 5.74 | 13.6 | 5.62 | 13.17 | 5.4 | 12.74 | 5.18 | 11.87 | 4.75 |
| | -5 | -5.6 | 14.73 | 5.73 | 14.46 | 5.7 | 13.6 | 5.28 | 13.17 | 5.07 | 12.74 | 4.87 | 11.87 | 4.47 |
| | -3 | -3.7 | 15.33 | 5.76 | 14.46 | 5.36 | 13.6 | 4.97 | 13.17 | 4.78 | 12.74 | 4.59 | 11.87 | 4.22 |
| | 0 | -0.7 | 15.33 | 5.23 | 14.46 | 4.87 | 13.6 | 4.52 | 13.17 | 4.35 | 12.74 | 4.18 | 11.87 | 3.85 |
| | 3 | 2.2 | 15.33 | 4.76 | 14.46 | 4.44 | 13.6 | 4.13 | 13.17 | 3.98 | 12.74 | 3.83 | 11.87 | 3.53 |
| | 5 | 4.1 | 15.33 | 4.49 | 14.46 | 4.19 | 13.6 | 3.9 | 13.17 | 3.75 | 12.74 | 3.62 | 11.87 | 3.34 |
| | 7 | 6 | 15.33 | 4.22 | 14.46 | 3.95 | 13.6 | 3.68 | 13.17 | 3.55 | 12.74 | 3.42 | 11.87 | 3.16 |
| | 9 | 7.9 | 15.33 | 3.99 | 14.46 | 3.73 | 13.6 | 3.47 | 13.17 | 3.35 | 12.74 | 3.23 | 11.87 | 2.99 |
| | 11 | 9.8 | 15.33 | 3.77 | 14.46 | 3.52 | 13.6 | 3.29 | 13.17 | 3.17 | 12.74 | 3.06 | 11.87 | 2.84 |
| | 13 | 11.8 | 15.33 | 3.55 | 14.46 | 3.33 | 13.6 | 3.11 | 13.17 | 3 | 12.74 | 2.89 | 11.87 | 2.68 |
| 15 | 13.7 | 15.33 | 3.36 | 14.46 | 3.15 | 13.6 | 2.95 | 13.17 | 2.84 | 12.74 | 2.74 | 11.87 | 2.55 | |

MDV-V160W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|------------------------------------|-------|---------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | °C DB | °C WB | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 70% | -13.7 | -15 | 11.74 | 5.53 | 11.68 | 5.64 | 11.68 | 5.76 | 11.47 | 5.67 | 11.09 | 5.44 | 10.34 | 4.99 |
| | -11.8 | -13 | 12.22 | 5.62 | 12.22 | 5.73 | 11.9 | 5.59 | 11.47 | 5.38 | 11.09 | 5.16 | 10.34 | 4.73 |
| | -9.8 | -11 | 12.82 | 5.71 | 12.65 | 5.71 | 11.9 | 5.28 | 11.47 | 5.08 | 11.09 | 4.88 | 10.34 | 4.48 |
| | -9.5 | -10 | 13.14 | 5.76 | 12.65 | 5.54 | 11.9 | 5.13 | 11.47 | 4.93 | 11.09 | 4.74 | 10.34 | 4.35 |
| | -8.5 | -9.1 | 13.41 | 5.79 | 12.65 | 5.39 | 11.9 | 4.99 | 11.47 | 4.8 | 11.09 | 4.61 | 10.34 | 4.24 |
| | -7 | -7.6 | 13.41 | 5.53 | 12.65 | 5.15 | 11.9 | 4.78 | 11.47 | 4.6 | 11.09 | 4.42 | 10.34 | 4.06 |
| | -5 | -5.6 | 13.41 | 5.2 | 12.65 | 4.84 | 11.9 | 4.5 | 11.47 | 4.32 | 11.09 | 5.11 | 10.34 | 3.83 |
| | -3 | -3.7 | 13.41 | 4.89 | 12.65 | 4.57 | 11.9 | 4.24 | 11.47 | 4.08 | 11.09 | 3.93 | 10.34 | 3.62 |
| | 0 | -0.7 | 13.41 | 4.45 | 12.65 | 4.16 | 11.9 | 3.87 | 11.47 | 3.73 | 11.09 | 3.59 | 10.34 | 3.32 |
| | 3 | 2.2 | 13.41 | 4.07 | 12.65 | 3.81 | 11.9 | 3.55 | 11.47 | 3.42 | 11.09 | 3.3 | 10.34 | 3.05 |
| | 5 | 4.1 | 13.41 | 3.84 | 12.65 | 3.59 | 11.9 | 3.36 | 11.47 | 3.23 | 11.09 | 3.12 | 10.34 | 2.89 |
| | 7 | 6 | 13.41 | 3.63 | 12.65 | 3.4 | 11.9 | 3.17 | 11.47 | 3.06 | 11.09 | 2.95 | 10.34 | 2.74 |
| | 9 | 7.9 | 13.41 | 3.43 | 12.65 | 3.22 | 11.9 | 3 | 11.47 | 2.9 | 11.09 | 2.8 | 10.34 | 2.6 |
| | 11 | 9.8 | 13.41 | 3.25 | 12.65 | 3.04 | 11.9 | 2.85 | 11.47 | 2.75 | 11.09 | 2.66 | 10.34 | 2.47 |
| | 13 | 11.8 | 13.41 | 3.07 | 12.65 | 2.88 | 11.9 | 2.69 | 11.47 | 2.61 | 11.09 | 2.52 | 10.34 | 2.34 |
| 15 | 13.7 | 13.41 | 2.91 | 12.65 | 2.73 | 11.9 | 2.56 | 11.47 | 2.48 | 11.09 | 2.39 | 10.34 | 2.23 | |
| 60% | -13.7 | -15 | 11.5 | 5.67 | 10.85 | 5.28 | 10.2 | 4.89 | 9.88 | 4.71 | 9.55 | 4.52 | 8.9 | 4.16 |
| | -11.8 | -13 | 11.5 | 5.37 | 10.85 | 5 | 10.2 | 4.64 | 9.88 | 4.47 | 9.55 | 4.29 | 8.9 | 3.97 |
| | -9.8 | -11 | 11.5 | 5.07 | 10.85 | 4.73 | 10.2 | 4.39 | 9.88 | 4.22 | 9.55 | 4.06 | 8.9 | 3.75 |
| | -9.5 | -10 | 11.5 | 4.93 | 10.85 | 4.6 | 10.2 | 4.27 | 9.88 | 4.11 | 9.55 | 3.95 | 8.9 | 3.64 |
| | -8.5 | -9.1 | 11.5 | 4.8 | 10.85 | 4.48 | 10.2 | 4.16 | 9.88 | 4.01 | 9.55 | 3.85 | 8.9 | 3.56 |
| | -7 | -7.6 | 11.5 | 4.59 | 10.85 | 4.29 | 10.2 | 3.98 | 9.88 | 3.84 | 9.55 | 3.69 | 8.9 | 3.41 |
| | -5 | -5.6 | 11.5 | 4.32 | 10.85 | 4.04 | 10.2 | 3.76 | 9.88 | 3.62 | 9.55 | 3.49 | 8.9 | 3.23 |
| | -3 | -3.7 | 11.5 | 4.08 | 10.85 | 3.82 | 10.2 | 3.56 | 9.88 | 3.43 | 9.55 | 3.3 | 8.9 | 3.05 |
| | 0 | -0.7 | 11.5 | 3.73 | 10.85 | 3.49 | 10.2 | 3.26 | 9.88 | 3.15 | 9.55 | 3.03 | 8.9 | 2.81 |
| | 3 | 2.2 | 11.5 | 3.42 | 10.85 | 3.21 | 10.2 | 3 | 9.88 | 2.89 | 9.55 | 2.79 | 8.9 | 2.59 |
| | 5 | 4.1 | 11.5 | 3.23 | 10.85 | 3.04 | 10.2 | 2.84 | 9.88 | 2.74 | 9.55 | 2.65 | 8.9 | 2.46 |
| | 7 | 6 | 11.5 | 3.06 | 10.85 | 2.87 | 10.2 | 2.69 | 9.88 | 2.6 | 9.55 | 2.51 | 8.9 | 2.34 |
| | 9 | 7.9 | 11.5 | 2.9 | 10.85 | 2.73 | 10.2 | 2.55 | 9.88 | 2.47 | 9.55 | 2.38 | 8.9 | 2.22 |
| | 11 | 9.8 | 11.5 | 2.75 | 10.85 | 2.59 | 10.2 | 2.43 | 9.88 | 2.35 | 9.55 | 2.27 | 8.9 | 2.12 |
| | 13 | 11.8 | 11.5 | 2.6 | 10.85 | 2.45 | 10.2 | 2.3 | 9.88 | 2.23 | 9.55 | 2.16 | 8.9 | 2.01 |
| 15 | 13.7 | 11.5 | 2.48 | 10.85 | 2.33 | 10.2 | 2.19 | 9.88 | 2.12 | 9.55 | 2.06 | 8.9 | 1.92 | |
| 50% | -13.7 | -15 | 9.58 | 4.55 | 9.04 | 4.24 | 8.5 | 3.95 | 8.18 | 3.8 | 7.91 | 3.66 | 7.37 | 3.38 |
| | -11.8 | -13 | 9.58 | 4.32 | 9.04 | 4.03 | 8.5 | 3.75 | 8.18 | 3.62 | 7.91 | 3.48 | 7.37 | 3.22 |
| | -9.8 | -11 | 9.58 | 4.09 | 9.04 | 3.82 | 8.5 | 3.56 | 8.18 | 3.43 | 7.91 | 3.31 | 7.37 | 3.06 |
| | -9.5 | -10 | 9.58 | 3.98 | 9.04 | 3.72 | 8.5 | 3.47 | 8.18 | 3.34 | 7.91 | 3.22 | 7.37 | 2.98 |
| | -8.5 | -9.1 | 9.58 | 3.88 | 9.04 | 3.63 | 8.5 | 3.38 | 8.18 | 3.26 | 7.91 | 3.15 | 7.37 | 2.91 |
| | -7 | -7.6 | 9.58 | 3.72 | 9.04 | 3.48 | 8.5 | 3.25 | 8.18 | 3.13 | 7.91 | 3.02 | 7.37 | 2.8 |
| | -5 | -5.6 | 9.58 | 3.51 | 9.04 | 3.29 | 8.5 | 3.07 | 8.18 | 2.97 | 7.91 | 2.86 | 7.37 | 2.65 |
| | -3 | -3.7 | 9.58 | 3.32 | 9.04 | 3.12 | 8.5 | 2.91 | 8.18 | 2.81 | 7.91 | 2.71 | 7.37 | 2.52 |
| | 0 | -0.7 | 9.58 | 3.05 | 9.04 | 2.86 | 8.5 | 2.68 | 8.18 | 2.59 | 7.91 | 2.5 | 7.37 | 2.33 |
| | 3 | 2.2 | 9.58 | 2.81 | 9.04 | 2.64 | 8.5 | 2.47 | 8.18 | 2.39 | 7.91 | 2.31 | 7.37 | 2.16 |
| | 5 | 4.1 | 9.58 | 2.66 | 9.04 | 2.5 | 8.5 | 2.35 | 8.18 | 2.27 | 7.91 | 2.2 | 7.37 | 2.05 |
| | 7 | 6 | 9.58 | 2.53 | 9.04 | 2.38 | 8.5 | 2.24 | 8.18 | 2.16 | 7.91 | 2.09 | 7.37 | 1.96 |
| | 9 | 7.9 | 9.58 | 2.4 | 9.04 | 2.26 | 8.5 | 2.12 | 8.18 | 2.06 | 7.91 | 1.99 | 7.37 | 1.86 |
| | 11 | 9.8 | 9.58 | 2.28 | 9.04 | 2.15 | 8.5 | 2.03 | 8.18 | 1.96 | 7.91 | 1.9 | 7.37 | 1.78 |
| | 13 | 11.8 | 9.58 | 2.17 | 9.04 | 2.04 | 8.5 | 1.93 | 8.18 | 1.87 | 7.91 | 1.81 | 7.37 | 1.7 |
| 15 | 13.7 | 9.58 | 2.06 | 9.04 | 1.95 | 8.5 | 1.84 | 8.18 | 1.78 | 7.91 | 1.73 | 7.37 | 1.62 | |

Note:

1. [] is tested under our standard condition.
2. In heating mode, avoid running the unit when the outdoor air temperature is below -15 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V180W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -5 | 15.37 | 2.17 | 18.31 | 2.64 | 21.25 | 2.83 | 22.06 | 2.95 | 23.12 | 3.03 | 23.69 | 3.3 | 24.28 | 3.32 |
| | -2 | 15.37 | 2.17 | 18.31 | 2.7 | 21.25 | 2.83 | 22.06 | 2.97 | 23.12 | 3.03 | 23.69 | 3.34 | 24.28 | 3.35 |
| | 0 | 15.37 | 2.2 | 18.31 | 2.74 | 21.25 | 2.94 | 22.06 | 3.13 | 23.12 | 3.21 | 23.69 | 3.38 | 24.28 | 3.4 |
| | 2 | 15.37 | 2.24 | 18.31 | 2.75 | 21.25 | 3.04 | 22.06 | 3.31 | 23.12 | 3.25 | 23.69 | 3.41 | 24.28 | 3.45 |
| | 4 | 15.37 | 2.29 | 18.31 | 2.8 | 21.25 | 3.14 | 22.06 | 3.32 | 23.12 | 3.29 | 23.69 | 3.4 | 24.28 | 3.51 |
| | 6 | 15.37 | 2.34 | 18.31 | 2.86 | 21.25 | 3.26 | 22.06 | 3.35 | 22.87 | 3.39 | 23.4 | 3.4 | 24.02 | 3.54 |
| | 8 | 15.37 | 2.39 | 18.31 | 2.92 | 21.25 | 3.42 | 22.06 | 3.51 | 22.58 | 3.5 | 23.14 | 3.9 | 23.71 | 3.57 |
| | 10 | 15.37 | 2.44 | 18.31 | 2.99 | 21.25 | 3.55 | 22.06 | 3.63 | 22.31 | 4.04 | 22.87 | 4.06 | 23.44 | 3.68 |
| | 12 | 15.37 | 2.49 | 18.31 | 3.04 | 21.25 | 3.62 | 21.75 | 4.03 | 22.06 | 4.06 | 22.56 | 4.07 | 23.12 | 3.7 |
| | 14 | 15.37 | 2.54 | 18.31 | 3.1 | 21.19 | 4.05 | 21.5 | 4.06 | 21.75 | 4.08 | 22.31 | 4.09 | 22.87 | 3.78 |
| | 16 | 15.37 | 2.58 | 18.31 | 3.16 | 20.94 | 4.06 | 21.19 | 4.08 | 21.44 | 4.1 | 22 | 4.12 | 22.56 | 3.84 |
| | 18 | 15.37 | 2.63 | 18.31 | 3.23 | 20.62 | 3.79 | 20.87 | 3.81 | 21.19 | 3.83 | 21.75 | 3.86 | 22.31 | 3.9 |
| | 20 | 15.37 | 2.69 | 18.31 | 3.44 | 20.31 | 3.97 | 20.62 | 3.99 | 20.87 | 4.01 | 21.44 | 4.05 | 22 | 4.09 |
| | 21 | 15.37 | 2.76 | 18.31 | 3.56 | 20.19 | 4.06 | 20.5 | 4.09 | 20.75 | 4.11 | 21.31 | 4.15 | 21.87 | 4.19 |
| | 23 | 15.37 | 2.96 | 18.31 | 3.81 | 19.94 | 4.25 | 20.19 | 4.27 | 20.44 | 4.29 | 21 | 4.34 | 21.56 | 4.38 |
| | 25 | 15.37 | 3.16 | 18.31 | 4.09 | 19.62 | 4.44 | 19.87 | 4.46 | 20.19 | 4.49 | 20.75 | 4.53 | 21.31 | 4.57 |
| | 27 | 15.37 | 3.37 | 18.31 | 4.37 | 19.37 | 4.62 | 19.62 | 4.65 | 19.87 | 4.67 | 20.44 | 4.72 | 21 | 4.77 |
| | 29 | 15.37 | 3.6 | 18.31 | 4.67 | 19.06 | 4.81 | 19.31 | 4.84 | 19.62 | 4.86 | 20.19 | 4.91 | 20.75 | 4.96 |
| | 31 | 15.37 | 3.84 | 18.25 | 4.94 | 18.75 | 5 | 19.06 | 5.03 | 19.31 | 5.05 | 19.87 | 5.11 | 20.44 | 5.16 |
| | 33 | 15.37 | 4.09 | 17.94 | 5.13 | 18.5 | 5.19 | 18.75 | 5.21 | 19.06 | 5.24 | 19.62 | 5.3 | 20.12 | 5.36 |
| 35 | 15.37 | 4.36 | 17.62 | 5.31 | 18.19 | 5.38 | 18.5 | 5.41 | 18.75 | 5.44 | 19.31 | 5.5 | 19.87 | 5.56 | |
| 37 | 15.37 | 4.64 | 17.37 | 5.51 | 17.94 | 5.57 | 18.19 | 5.6 | 18.5 | 5.64 | 19 | 5.7 | 19.56 | 5.77 | |
| 39 | 15.37 | 4.94 | 17.06 | 5.56 | 17.62 | 5.76 | 17.94 | 5.79 | 18.19 | 5.83 | 18.75 | 5.89 | 19.31 | 5.96 | |
| 41 | 15.37 | 5.2 | 16.89 | 5.62 | 17.44 | 5.81 | 17.75 | 5.85 | 18 | 5.88 | 18.56 | 5.91 | 18.57 | 6.02 | |
| 43 | 15.37 | 5.33 | 16.76 | 5.65 | 17.35 | 5.83 | 17.66 | 5.87 | 17.82 | 5.89 | 18.23 | 5.92 | 18.35 | 6.03 | |
| 120% | -5 | 14.19 | 2.09 | 16.87 | 2.53 | 19.63 | 3 | 21 | 3.27 | 22 | 3.41 | 22.5 | 3.52 | 23 | 3.61 |
| | -2 | 14.19 | 2.11 | 16.87 | 2.56 | 19.63 | 3.03 | 21 | 3.29 | 22 | 3.45 | 22.5 | 3.55 | 23 | 3.62 |
| | 0 | 14.19 | 2.13 | 16.87 | 2.58 | 19.63 | 3.06 | 21 | 3.3 | 22 | 3.48 | 22.5 | 3.57 | 23 | 3.63 |
| | 2 | 14.19 | 2.14 | 16.87 | 2.61 | 19.63 | 3.08 | 21 | 3.33 | 22 | 3.49 | 22.5 | 3.59 | 23 | 3.64 |
| | 4 | 14.19 | 2.16 | 16.87 | 2.64 | 19.63 | 3.13 | 21 | 3.36 | 22 | 3.54 | 22.5 | 3.6 | 23 | 3.65 |
| | 6 | 14.19 | 2.18 | 16.87 | 2.66 | 19.63 | 3.16 | 21 | 3.39 | 22 | 3.58 | 22.5 | 3.63 | 23 | 3.66 |
| | 8 | 14.19 | 2.2 | 16.87 | 2.69 | 19.63 | 3.21 | 21 | 3.44 | 22 | 3.61 | 22.5 | 3.64 | 23 | 3.68 |
| | 10 | 14.19 | 2.23 | 16.87 | 2.72 | 19.63 | 3.24 | 21 | 3.5 | 22 | 3.62 | 22.5 | 3.65 | 23 | 3.69 |
| | 12 | 14.19 | 2.27 | 16.87 | 2.77 | 19.63 | 3.3 | 21 | 3.56 | 21.69 | 3.63 | 22.19 | 3.63 | 22.69 | 3.72 |
| | 14 | 14.19 | 2.31 | 16.87 | 2.83 | 19.63 | 3.36 | 21 | 3.64 | 21.37 | 3.65 | 21.94 | 3.69 | 22.44 | 3.76 |
| | 16 | 14.19 | 2.36 | 16.87 | 2.89 | 19.63 | 3.43 | 20.87 | 4.1 | 21.12 | 3.71 | 21.62 | 3.75 | 22.12 | 3.82 |
| | 18 | 14.19 | 2.4 | 16.87 | 2.94 | 19.63 | 3.54 | 20.56 | 3.79 | 20.81 | 3.8 | 21.31 | 3.84 | 21.87 | 3.87 |
| | 20 | 14.19 | 2.45 | 16.87 | 3.06 | 19.63 | 3.81 | 20.31 | 3.97 | 20.56 | 3.99 | 21.06 | 4.02 | 21.56 | 4.06 |
| | 21 | 14.19 | 2.47 | 16.87 | 3.16 | 19.63 | 3.95 | 20.12 | 4.06 | 20.37 | 4.08 | 20.94 | 4.11 | 21.44 | 4.16 |
| | 23 | 14.19 | 2.64 | 16.87 | 3.39 | 19.63 | 4.23 | 19.88 | 4.24 | 20.12 | 4.26 | 20.62 | 4.31 | 21.12 | 4.34 |
| | 25 | 14.19 | 2.82 | 16.87 | 3.63 | 19.31 | 4.41 | 19.56 | 4.43 | 19.81 | 4.45 | 20.37 | 4.49 | 20.87 | 4.54 |
| | 27 | 14.19 | 3.01 | 16.87 | 3.88 | 19.06 | 4.59 | 19.31 | 4.62 | 19.56 | 4.64 | 20.06 | 4.69 | 20.56 | 4.73 |
| | 29 | 14.19 | 3.21 | 16.87 | 4.14 | 18.75 | 4.78 | 19 | 4.81 | 19.25 | 4.83 | 19.75 | 4.88 | 20.31 | 4.92 |
| | 31 | 14.19 | 3.43 | 16.87 | 4.42 | 18.44 | 4.97 | 18.75 | 4.99 | 19 | 5.02 | 19.5 | 5.07 | 20 | 5.12 |
| | 33 | 14.19 | 3.65 | 16.87 | 4.71 | 18.19 | 5.16 | 18.44 | 5.19 | 18.69 | 5.21 | 19.19 | 5.26 | 19.69 | 5.31 |
| 35 | 14.19 | 3.89 | 16.87 | 5.03 | 17.87 | 5.34 | 18.12 | 5.37 | 18.44 | 5.4 | 18.94 | 5.46 | 19.44 | 5.51 | |
| 37 | 14.19 | 4.14 | 16.87 | 5.36 | 17.62 | 5.54 | 17.87 | 5.56 | 18.12 | 5.59 | 18.62 | 5.65 | 19.13 | 5.71 | |
| 39 | 14.19 | 4.4 | 16.81 | 5.66 | 17.31 | 5.72 | 17.56 | 5.76 | 17.81 | 5.79 | 18.37 | 5.85 | 18.88 | 5.91 | |
| 41 | 14.19 | 4.52 | 16.68 | 5.7 | 17.18 | 5.76 | 17.43 | 5.8 | 17.68 | 5.83 | 18.24 | 5.87 | 18.33 | 5.95 | |
| 43 | 14.19 | 4.59 | 16.59 | 5.74 | 17.04 | 5.8 | 17.29 | 5.82 | 17.54 | 5.85 | 17.92 | 5.88 | 18.05 | 6.07 | |

MDV-V180W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 110% | -5 | 13 | 1.83 | 15.5 | 2.27 | 18 | 2.71 | 19.25 | 2.91 | 20.5 | 3.13 | 22.06 | 3.26 | 22.56 | 3.36 |
| | -2 | 13 | 1.86 | 15.5 | 2.3 | 18 | 2.74 | 19.25 | 2.94 | 20.5 | 3.16 | 22.06 | 3.29 | 22.56 | 3.37 |
| | 0 | 13 | 1.88 | 15.5 | 2.32 | 18 | 2.76 | 19.25 | 2.96 | 20.5 | 3.19 | 22.06 | 3.32 | 22.56 | 3.42 |
| | 2 | 13 | 1.92 | 15.5 | 2.34 | 18 | 2.8 | 19.25 | 2.99 | 20.5 | 3.23 | 22.06 | 3.37 | 22.56 | 3.46 |
| | 4 | 13 | 1.96 | 15.5 | 2.37 | 18 | 2.83 | 19.25 | 3.03 | 20.5 | 3.28 | 22.06 | 3.42 | 22.56 | 3.49 |
| | 6 | 13 | 1.98 | 15.5 | 2.39 | 18 | 2.86 | 19.25 | 3.08 | 20.5 | 3.31 | 22.06 | 3.45 | 22.56 | 3.54 |
| | 8 | 13 | 2 | 15.5 | 2.43 | 18 | 2.89 | 19.25 | 3.11 | 20.5 | 3.35 | 22.06 | 3.47 | 22.56 | 3.58 |
| | 10 | 13 | 2.02 | 15.5 | 2.46 | 18 | 2.93 | 19.25 | 3.16 | 20.5 | 3.41 | 22.06 | 3.5 | 22.56 | 3.61 |
| | 12 | 13 | 2.06 | 15.5 | 2.51 | 18 | 2.99 | 19.25 | 3.23 | 20.5 | 3.47 | 21.81 | 3.55 | 22.25 | 3.66 |
| | 14 | 13 | 2.1 | 15.5 | 2.56 | 18 | 3.04 | 19.25 | 3.29 | 20.5 | 3.54 | 21.5 | 3.58 | 22 | 3.68 |
| | 16 | 13 | 2.14 | 15.5 | 2.61 | 18 | 3.1 | 19.25 | 3.35 | 20.5 | 3.61 | 21.25 | 3.62 | 21.69 | 3.72 |
| | 18 | 13 | 2.18 | 15.5 | 2.66 | 18 | 3.16 | 19.25 | 3.44 | 20.5 | 3.78 | 20.94 | 3.81 | 21.44 | 3.84 |
| | 20 | 13 | 2.22 | 15.5 | 2.71 | 18 | 3.35 | 19.25 | 3.7 | 20.19 | 3.96 | 20.69 | 3.99 | 21.13 | 4.03 |
| | 21 | 13 | 2.24 | 15.5 | 2.79 | 18 | 3.47 | 19.25 | 3.84 | 20.06 | 4.06 | 20.5 | 4.09 | 21 | 4.12 |
| | 23 | 13 | 2.35 | 15.5 | 2.99 | 18 | 3.72 | 19.25 | 4.11 | 19.75 | 4.24 | 20.25 | 4.28 | 20.69 | 4.31 |
| | 25 | 13 | 2.51 | 15.5 | 3.2 | 18 | 3.98 | 19.25 | 4.41 | 19.5 | 4.42 | 19.94 | 4.46 | 20.44 | 4.5 |
| | 27 | 13 | 2.67 | 15.5 | 3.42 | 18 | 4.26 | 18.94 | 4.59 | 19.19 | 4.61 | 19.69 | 4.65 | 20.13 | 4.69 |
| | 29 | 13 | 2.85 | 15.5 | 3.65 | 18 | 4.55 | 18.69 | 4.78 | 18.94 | 4.8 | 19.38 | 4.84 | 19.88 | 4.89 |
| | 31 | 13 | 3.04 | 15.5 | 3.89 | 18 | 4.86 | 18.38 | 4.96 | 18.63 | 4.99 | 19.13 | 5.03 | 19.56 | 5.08 |
| | 33 | 13 | 3.23 | 15.5 | 4.15 | 17.88 | 5.12 | 18.12 | 5.15 | 18.38 | 5.17 | 18.81 | 5.22 | 19.31 | 5.27 |
| 35 | 13 | 3.44 | 15.5 | 4.42 | 17.56 | 5.31 | 17.81 | 5.34 | 18.06 | 5.36 | 18.5 | 5.41 | 19 | 5.46 | |
| 37 | 13 | 3.66 | 15.5 | 4.71 | 17.31 | 5.5 | 17.56 | 5.52 | 17.75 | 5.55 | 18.25 | 5.61 | 18.69 | 5.66 | |
| 39 | 13 | 3.89 | 15.5 | 5.01 | 17 | 5.69 | 17.25 | 5.71 | 17.5 | 5.74 | 17.94 | 5.8 | 18.44 | 5.86 | |
| 41 | 13 | 3.93 | 15.5 | 5.05 | 16.87 | 5.73 | 17.12 | 5.75 | 17.37 | 5.78 | 17.71 | 5.84 | 17.88 | 5.9 | |
| 43 | 13 | 3.97 | 15.5 | 5.12 | 16.73 | 5.77 | 16.98 | 5.79 | 17.23 | 5.82 | 17.55 | 5.86 | 17.61 | 6.02 | |
| 100% | -5 | 11.81 | 1.66 | 14.06 | 2 | 16.37 | 2.39 | 17.5 | 2.55 | 18.63 | 2.77 | 20.94 | 3.16 | 22.13 | 3.3 |
| | -2 | 11.81 | 1.68 | 14.06 | 2.03 | 16.37 | 2.41 | 17.5 | 2.6 | 18.63 | 2.81 | 20.94 | 3.2 | 22.13 | 3.32 |
| | 0 | 11.81 | 1.7 | 14.06 | 2.05 | 16.37 | 2.44 | 17.5 | 2.63 | 18.63 | 2.84 | 20.94 | 3.25 | 22.13 | 3.35 |
| | 2 | 11.81 | 1.74 | 14.06 | 2.08 | 16.37 | 2.46 | 17.5 | 2.67 | 18.63 | 2.87 | 20.94 | 3.3 | 22.13 | 3.41 |
| | 4 | 11.81 | 1.75 | 14.06 | 2.1 | 16.37 | 2.5 | 17.5 | 2.71 | 18.63 | 2.9 | 20.94 | 3.33 | 22.13 | 3.45 |
| | 6 | 11.81 | 1.77 | 14.06 | 2.14 | 16.37 | 2.53 | 17.5 | 2.76 | 18.63 | 2.95 | 20.94 | 3.38 | 22.13 | 3.5 |
| | 8 | 11.81 | 1.81 | 14.06 | 2.17 | 16.37 | 2.58 | 17.5 | 2.79 | 18.63 | 2.99 | 20.94 | 3.43 | 22.13 | 3.56 |
| | 10 | 11.81 | 1.83 | 14.06 | 2.21 | 16.37 | 2.62 | 17.5 | 2.84 | 18.63 | 3.05 | 20.94 | 3.49 | 22.13 | 3.61 |
| | 12 | 11.81 | 1.86 | 14.06 | 2.26 | 16.37 | 2.67 | 17.5 | 2.89 | 18.63 | 3.11 | 20.94 | 3.55 | 21.81 | 3.64 |
| | 14 | 11.81 | 1.89 | 14.06 | 2.3 | 16.37 | 2.72 | 17.5 | 2.94 | 18.63 | 3.16 | 20.94 | 3.62 | 21.56 | 3.68 |
| | 16 | 11.81 | 1.93 | 14.06 | 2.34 | 16.37 | 2.78 | 17.5 | 3 | 18.63 | 3.23 | 20.81 | 3.66 | 21.25 | 3.72 |
| | 18 | 11.81 | 1.96 | 14.06 | 2.39 | 16.37 | 2.83 | 17.5 | 3.06 | 18.63 | 3.29 | 20.56 | 3.79 | 21 | 3.81 |
| | 20 | 11.81 | 2 | 14.06 | 2.44 | 16.37 | 2.91 | 17.5 | 3.21 | 18.63 | 3.53 | 20.25 | 3.96 | 20.69 | 4 |
| | 21 | 11.81 | 2.02 | 14.06 | 2.46 | 16.37 | 3.02 | 17.5 | 3.33 | 18.63 | 3.65 | 20.13 | 4.06 | 20.56 | 4.09 |
| | 23 | 11.81 | 2.07 | 14.06 | 2.62 | 16.37 | 3.24 | 17.5 | 3.56 | 18.63 | 3.91 | 19.87 | 4.24 | 20.25 | 4.28 |
| | 25 | 11.81 | 2.21 | 14.06 | 2.8 | 16.37 | 3.46 | 17.5 | 3.82 | 18.63 | 4.19 | 19.56 | 4.43 | 20 | 4.46 |
| | 27 | 11.81 | 2.36 | 14.06 | 2.99 | 16.37 | 3.7 | 17.5 | 4.09 | 18.63 | 4.49 | 19.25 | 4.61 | 19.69 | 4.66 |
| | 29 | 11.81 | 2.51 | 14.06 | 3.19 | 16.37 | 3.95 | 17.5 | 4.36 | 18.56 | 4.76 | 19 | 4.81 | 19.44 | 4.84 |
| | 31 | 11.81 | 2.67 | 14.06 | 3.4 | 16.37 | 4.21 | 17.5 | 4.66 | 18.31 | 4.95 | 18.69 | 4.99 | 19.12 | 5.04 |
| | 33 | 11.81 | 2.84 | 14.06 | 3.62 | 16.37 | 4.49 | 17.5 | 4.97 | 18 | 5.14 | 18.44 | 5.18 | 18.88 | 5.23 |
| 35 | 11.81 | 3.01 | 14.06 | 3.85 | 16.37 | 4.79 | 17.5 | 5.3 | 17.69 | 5.32 | 18.12 | 5.37 | 18.56 | 5.41 | |
| 37 | 11.81 | 3.21 | 14.06 | 4.1 | 16.37 | 5.11 | 17.19 | 5.49 | 17.44 | 5.51 | 17.87 | 5.56 | 18.25 | 5.61 | |
| 39 | 11.81 | 3.41 | 14.06 | 4.36 | 16.37 | 5.44 | 16.94 | 5.67 | 17.12 | 5.7 | 17.56 | 5.75 | 18 | 5.81 | |
| 41 | 11.81 | 3.57 | 14.06 | 4.52 | 16.37 | 5.63 | 16.67 | 5.71 | 16.99 | 5.79 | 17.26 | 5.89 | 17.74 | 5.93 | |
| 43 | 11.81 | 3.72 | 14.06 | 4.68 | 16.37 | 5.74 | 16.41 | 5.78 | 16.87 | 5.84 | 17.36 | 5.92 | 17.43 | 5.99 | |

MDV-V180W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 90% | -5 | 10.62 | 1.47 | 12.69 | 1.77 | 14.75 | 2.08 | 15.75 | 2.27 | 16.75 | 2.42 | 18.81 | 2.78 | 20.88 | 3.18 |
| | -2 | 10.62 | 1.49 | 12.69 | 1.78 | 14.75 | 2.11 | 15.75 | 2.3 | 16.75 | 2.45 | 18.81 | 2.81 | 20.88 | 3.22 |
| | 0 | 10.62 | 1.51 | 12.69 | 1.81 | 14.75 | 2.14 | 15.75 | 2.33 | 16.75 | 2.48 | 18.81 | 2.84 | 20.88 | 3.24 |
| | 2 | 10.62 | 1.53 | 12.69 | 1.83 | 14.75 | 2.16 | 15.75 | 2.37 | 16.75 | 2.52 | 18.81 | 2.9 | 20.88 | 3.29 |
| | 4 | 10.62 | 1.55 | 12.69 | 1.86 | 14.75 | 2.2 | 15.75 | 2.4 | 16.75 | 2.55 | 18.81 | 2.94 | 20.88 | 3.34 |
| | 6 | 10.62 | 1.57 | 12.69 | 1.89 | 14.75 | 2.24 | 15.75 | 2.45 | 16.75 | 2.59 | 18.81 | 2.99 | 20.88 | 3.39 |
| | 8 | 10.62 | 1.61 | 12.69 | 1.93 | 14.75 | 2.29 | 15.75 | 2.48 | 16.75 | 2.64 | 18.81 | 3.04 | 20.88 | 3.42 |
| | 10 | 10.62 | 1.64 | 12.69 | 1.97 | 14.75 | 2.33 | 15.75 | 2.51 | 16.75 | 2.7 | 18.81 | 3.08 | 20.88 | 3.48 |
| | 12 | 10.62 | 1.66 | 12.69 | 2.01 | 14.75 | 2.37 | 15.75 | 2.56 | 16.75 | 2.75 | 18.81 | 3.14 | 20.88 | 3.54 |
| | 14 | 10.62 | 1.69 | 12.69 | 2.04 | 14.75 | 2.41 | 15.75 | 2.61 | 16.75 | 2.8 | 18.81 | 3.2 | 20.88 | 3.61 |
| | 16 | 10.62 | 1.72 | 12.69 | 2.08 | 14.75 | 2.46 | 15.75 | 2.66 | 16.75 | 2.86 | 18.81 | 3.26 | 20.81 | 3.67 |
| | 18 | 10.62 | 1.75 | 12.69 | 2.12 | 14.75 | 2.51 | 15.75 | 2.71 | 16.75 | 2.91 | 18.81 | 3.33 | 20.56 | 3.79 |
| | 20 | 10.62 | 1.79 | 12.69 | 2.17 | 14.75 | 2.56 | 15.75 | 2.76 | 16.75 | 3.02 | 18.81 | 3.58 | 20.25 | 3.96 |
| | 21 | 10.62 | 1.8 | 12.69 | 2.19 | 14.75 | 2.6 | 15.75 | 2.86 | 16.75 | 3.13 | 18.81 | 3.71 | 20.13 | 4.06 |
| | 23 | 10.62 | 1.84 | 12.69 | 2.27 | 14.75 | 2.79 | 15.75 | 3.06 | 16.75 | 3.36 | 18.81 | 3.98 | 19.81 | 4.24 |
| | 25 | 10.62 | 1.94 | 12.69 | 2.43 | 14.75 | 2.98 | 15.75 | 3.28 | 16.75 | 3.59 | 18.81 | 4.26 | 19.56 | 4.43 |
| | 27 | 10.62 | 2.06 | 12.69 | 2.59 | 14.75 | 3.18 | 15.75 | 3.5 | 16.75 | 3.84 | 18.81 | 4.56 | 19.25 | 4.61 |
| | 29 | 10.62 | 2.19 | 12.69 | 2.76 | 14.75 | 3.39 | 15.75 | 3.74 | 16.75 | 4.1 | 18.62 | 4.76 | 19 | 4.8 |
| | 31 | 10.62 | 2.33 | 12.69 | 2.94 | 14.75 | 3.61 | 15.75 | 3.99 | 16.75 | 4.37 | 18.31 | 4.95 | 18.69 | 4.99 |
| | 33 | 10.62 | 2.47 | 12.69 | 3.12 | 14.75 | 3.86 | 15.75 | 4.25 | 16.75 | 4.66 | 18.06 | 5.14 | 18.44 | 5.18 |
| 35 | 10.62 | 2.63 | 12.69 | 3.32 | 14.75 | 4.11 | 15.75 | 4.53 | 16.75 | 4.97 | 17.75 | 5.33 | 18.13 | 5.37 | |
| 37 | 10.62 | 2.79 | 12.69 | 3.53 | 14.75 | 4.37 | 15.75 | 4.82 | 16.75 | 5.3 | 17.44 | 5.51 | 17.87 | 5.56 | |
| 39 | 10.62 | 2.96 | 12.69 | 3.76 | 14.75 | 4.65 | 15.75 | 5.14 | 16.75 | 5.64 | 17.19 | 5.71 | 17.56 | 5.75 | |
| 41 | 10.62 | 3.06 | 12.69 | 3.93 | 14.75 | 4.82 | 15.75 | 5.27 | 16.75 | 5.68 | 17.07 | 5.85 | 17.44 | 5.89 | |
| 43 | 10.62 | 3.21 | 12.69 | 4.1 | 14.75 | 4.99 | 15.75 | 5.41 | 16.75 | 5.8 | 16.98 | 5.93 | 17.29 | 5.98 | |
| 80% | -5 | 9.44 | 1.3 | 11.25 | 1.53 | 13.06 | 1.82 | 14 | 1.93 | 14.94 | 2.08 | 16.75 | 2.4 | 18.56 | 2.74 |
| | -2 | 9.44 | 1.32 | 11.25 | 1.55 | 13.06 | 1.83 | 14 | 1.96 | 14.94 | 2.1 | 16.75 | 2.43 | 18.56 | 2.77 |
| | 0 | 9.44 | 1.34 | 11.25 | 1.57 | 13.06 | 1.85 | 14 | 1.98 | 14.94 | 2.14 | 16.75 | 2.46 | 18.56 | 2.81 |
| | 2 | 9.44 | 1.37 | 11.25 | 1.59 | 13.06 | 1.88 | 14 | 2.02 | 14.94 | 2.17 | 16.75 | 2.51 | 18.56 | 2.86 |
| | 4 | 9.44 | 1.39 | 11.25 | 1.62 | 13.06 | 1.92 | 14 | 2.07 | 14.94 | 2.21 | 16.75 | 2.56 | 18.56 | 2.9 |
| | 6 | 9.44 | 1.41 | 11.25 | 1.66 | 13.06 | 1.95 | 14 | 2.11 | 14.94 | 2.25 | 16.75 | 2.59 | 18.56 | 2.95 |
| | 8 | 9.44 | 1.44 | 11.25 | 1.7 | 13.06 | 1.99 | 14 | 2.15 | 14.94 | 2.3 | 16.75 | 2.63 | 18.56 | 3.01 |
| | 10 | 9.44 | 1.45 | 11.25 | 1.74 | 13.06 | 2.04 | 14 | 2.2 | 14.94 | 2.36 | 16.75 | 2.69 | 18.56 | 3.04 |
| | 12 | 9.44 | 1.47 | 11.25 | 1.76 | 13.06 | 2.08 | 14 | 2.24 | 14.94 | 2.41 | 16.75 | 2.74 | 18.56 | 3.09 |
| | 14 | 9.44 | 1.5 | 11.25 | 1.8 | 13.06 | 2.11 | 14 | 2.28 | 14.94 | 2.45 | 16.75 | 2.79 | 18.56 | 3.15 |
| | 16 | 9.44 | 1.52 | 11.25 | 1.83 | 13.06 | 2.16 | 14 | 2.32 | 14.94 | 2.49 | 16.75 | 2.85 | 18.56 | 3.21 |
| | 18 | 9.44 | 1.55 | 11.25 | 1.86 | 13.06 | 2.2 | 14 | 2.37 | 14.94 | 2.54 | 16.75 | 2.91 | 18.56 | 3.27 |
| | 20 | 9.44 | 1.58 | 11.25 | 1.9 | 13.06 | 2.24 | 14 | 2.41 | 14.94 | 2.59 | 16.75 | 3.01 | 18.56 | 3.5 |
| | 21 | 9.44 | 1.59 | 11.25 | 1.91 | 13.06 | 2.26 | 14 | 2.44 | 14.94 | 2.65 | 16.75 | 3.12 | 18.56 | 3.63 |
| | 23 | 9.44 | 1.62 | 11.25 | 1.96 | 13.06 | 2.37 | 14 | 2.6 | 14.94 | 2.84 | 16.75 | 3.34 | 18.56 | 3.89 |
| | 25 | 9.44 | 1.67 | 11.25 | 2.08 | 13.06 | 2.54 | 14 | 2.78 | 14.94 | 3.03 | 16.75 | 3.58 | 18.56 | 4.16 |
| | 27 | 9.44 | 1.78 | 11.25 | 2.21 | 13.06 | 2.7 | 14 | 2.96 | 14.94 | 3.24 | 16.75 | 3.82 | 18.56 | 4.46 |
| | 29 | 9.44 | 1.89 | 11.25 | 2.36 | 13.06 | 2.88 | 14 | 3.16 | 14.94 | 3.46 | 16.75 | 4.08 | 18.56 | 4.76 |
| | 31 | 9.44 | 2.01 | 11.25 | 2.51 | 13.06 | 3.06 | 14 | 3.36 | 14.94 | 3.69 | 16.75 | 4.36 | 18.25 | 4.95 |
| | 33 | 9.44 | 2.14 | 11.25 | 2.66 | 13.06 | 3.26 | 14 | 3.59 | 14.94 | 3.92 | 16.75 | 4.64 | 18 | 5.14 |
| 35 | 9.44 | 2.26 | 11.25 | 2.84 | 13.06 | 3.47 | 14 | 3.81 | 14.94 | 4.18 | 16.75 | 4.95 | 17.69 | 5.32 | |
| 37 | 9.44 | 2.4 | 11.25 | 3.01 | 13.06 | 3.69 | 14 | 4.06 | 14.94 | 4.45 | 16.75 | 5.28 | 17.44 | 5.51 | |
| 39 | 9.44 | 2.54 | 11.25 | 3.21 | 13.06 | 3.93 | 14 | 4.32 | 14.94 | 4.74 | 16.75 | 5.62 | 17.12 | 5.7 | |
| 41 | 9.44 | 2.6 | 11.25 | 3.24 | 13.06 | 3.99 | 14 | 4.44 | 14.94 | 4.82 | 16.75 | 5.76 | 17.02 | 5.8 | |
| 43 | 9.44 | 2.68 | 11.25 | 3.26 | 13.06 | 4.04 | 14 | 4.51 | 14.94 | 4.89 | 16.75 | 5.83 | 16.91 | 5.86 | |

MDV-V180W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|-------|------------|------|
| | | DB:20.8,WB:1 | | DB:23.3,WB:1 | | DB:25.8,WB:1 | | DB:27,WB:1 | | DB:28.2,WB:2 | | DB:30.7,WB:2 | | DB:32,WB:2 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 70% | -5 | 8.25 | 1.16 | 9.87 | 1.36 | 11.44 | 1.54 | 12.25 | 1.65 | 13.06 | 1.76 | 14.63 | 2.01 | 16.25 | 2.32 |
| | -2 | 8.25 | 1.17 | 9.87 | 1.36 | 11.44 | 1.55 | 12.25 | 1.68 | 13.06 | 1.79 | 14.63 | 2.05 | 16.25 | 2.35 |
| | 0 | 8.25 | 1.17 | 9.87 | 1.38 | 11.44 | 1.58 | 12.25 | 1.71 | 13.06 | 1.82 | 14.63 | 2.09 | 16.25 | 2.38 |
| | 2 | 8.25 | 1.18 | 9.87 | 1.39 | 11.44 | 1.61 | 12.25 | 1.74 | 13.06 | 1.86 | 14.63 | 2.13 | 16.25 | 2.42 |
| | 4 | 8.25 | 1.2 | 9.87 | 1.42 | 11.44 | 1.64 | 12.25 | 1.78 | 13.06 | 1.9 | 14.63 | 2.17 | 16.25 | 2.47 |
| | 6 | 8.25 | 1.21 | 9.87 | 1.45 | 11.44 | 1.68 | 12.25 | 1.83 | 13.06 | 1.94 | 14.63 | 2.2 | 16.25 | 2.52 |
| | 8 | 8.25 | 1.24 | 9.87 | 1.49 | 11.44 | 1.72 | 12.25 | 1.86 | 13.06 | 1.98 | 14.63 | 2.27 | 16.25 | 2.57 |
| | 10 | 8.25 | 1.26 | 9.87 | 1.51 | 11.44 | 1.76 | 12.25 | 1.9 | 13.06 | 2.04 | 14.63 | 2.31 | 16.25 | 2.6 |
| | 12 | 8.25 | 1.29 | 9.87 | 1.54 | 11.44 | 1.8 | 12.25 | 1.94 | 13.06 | 2.07 | 14.63 | 2.36 | 16.25 | 2.65 |
| | 14 | 8.25 | 1.31 | 9.87 | 1.56 | 11.44 | 1.83 | 12.25 | 1.96 | 13.06 | 2.11 | 14.63 | 2.4 | 16.25 | 2.7 |
| | 16 | 8.25 | 1.34 | 9.87 | 1.59 | 11.44 | 1.86 | 12.25 | 2.01 | 13.06 | 2.15 | 14.63 | 2.44 | 16.25 | 2.75 |
| | 18 | 8.25 | 1.36 | 9.87 | 1.62 | 11.44 | 1.9 | 12.25 | 2.04 | 13.06 | 2.19 | 14.63 | 2.49 | 16.25 | 2.81 |
| | 20 | 8.25 | 1.38 | 9.87 | 1.65 | 11.44 | 1.94 | 12.25 | 2.08 | 13.06 | 2.23 | 14.63 | 2.54 | 16.25 | 2.89 |
| | 21 | 8.25 | 1.39 | 9.87 | 1.66 | 11.44 | 1.95 | 12.25 | 2.1 | 13.06 | 2.25 | 14.63 | 2.58 | 16.25 | 2.99 |
| | 23 | 8.25 | 1.41 | 9.87 | 1.69 | 11.44 | 1.99 | 12.25 | 2.17 | 13.06 | 2.36 | 14.63 | 2.76 | 16.25 | 3.2 |
| | 25 | 8.25 | 1.44 | 9.87 | 1.76 | 11.44 | 2.12 | 12.25 | 2.32 | 13.06 | 2.52 | 14.63 | 2.96 | 16.25 | 3.42 |
| | 27 | 8.25 | 1.53 | 9.87 | 1.88 | 11.44 | 2.26 | 12.25 | 2.47 | 13.06 | 2.69 | 14.63 | 3.16 | 16.25 | 3.66 |
| | 29 | 8.25 | 1.62 | 9.87 | 1.99 | 11.44 | 2.41 | 12.25 | 2.64 | 13.06 | 2.86 | 14.63 | 3.36 | 16.25 | 3.91 |
| | 31 | 8.25 | 1.71 | 9.87 | 2.11 | 11.44 | 2.56 | 12.25 | 2.8 | 13.06 | 3.05 | 14.63 | 3.59 | 16.25 | 4.16 |
| | 33 | 8.25 | 1.82 | 9.87 | 2.25 | 11.44 | 2.73 | 12.25 | 2.98 | 13.06 | 3.25 | 14.63 | 3.82 | 16.25 | 4.44 |
| 35 | 8.25 | 1.93 | 9.87 | 2.39 | 11.44 | 2.89 | 12.25 | 3.17 | 13.06 | 3.46 | 14.63 | 4.07 | 16.25 | 4.74 | |
| 37 | 8.25 | 2.04 | 9.87 | 2.53 | 11.44 | 3.08 | 12.25 | 3.36 | 13.06 | 3.68 | 14.63 | 4.34 | 16.25 | 5.04 | |
| 39 | 8.25 | 2.16 | 9.87 | 2.68 | 11.44 | 3.26 | 12.25 | 3.58 | 13.06 | 3.91 | 14.63 | 4.61 | 16.25 | 5.37 | |
| 41 | 8.25 | 2.25 | 9.87 | 2.77 | 11.44 | 3.36 | 12.25 | 3.7 | 13.06 | 4.03 | 14.63 | 4.8 | 16.25 | 5.61 | |
| 43 | 8.25 | 2.44 | 9.87 | 2.96 | 11.44 | 3.5 | 12.25 | 3.9 | 13.06 | 4.15 | 14.63 | 4.97 | 16.25 | 5.78 | |
| 60% | -5 | 7.06 | 0.99 | 8.44 | 1.15 | 9.81 | 1.33 | 10.5 | 1.42 | 11.19 | 1.54 | 12.56 | 1.72 | 13.94 | 1.98 |
| | -2 | 7.06 | 0.99 | 8.44 | 1.16 | 9.81 | 1.36 | 10.5 | 1.44 | 11.19 | 1.55 | 12.56 | 1.75 | 13.94 | 1.99 |
| | 0 | 7.06 | 1.01 | 8.44 | 1.18 | 9.81 | 1.38 | 10.5 | 1.46 | 11.19 | 1.58 | 12.56 | 1.78 | 13.94 | 2.02 |
| | 2 | 7.06 | 1.03 | 8.44 | 1.2 | 9.81 | 1.4 | 10.5 | 1.49 | 11.19 | 1.6 | 12.56 | 1.81 | 13.94 | 2.04 |
| | 4 | 7.06 | 1.05 | 8.44 | 1.23 | 9.81 | 1.43 | 10.5 | 1.51 | 11.19 | 1.62 | 12.56 | 1.84 | 13.94 | 2.07 |
| | 6 | 7.06 | 1.07 | 8.44 | 1.25 | 9.81 | 1.46 | 10.5 | 1.54 | 11.19 | 1.65 | 12.56 | 1.88 | 13.94 | 2.12 |
| | 8 | 7.06 | 1.09 | 8.44 | 1.27 | 9.81 | 1.48 | 10.5 | 1.57 | 11.19 | 1.69 | 12.56 | 1.91 | 13.94 | 2.15 |
| | 10 | 7.06 | 1.11 | 8.44 | 1.3 | 9.81 | 1.51 | 10.5 | 1.61 | 11.19 | 1.72 | 12.56 | 1.95 | 13.94 | 2.19 |
| | 12 | 7.06 | 1.13 | 8.44 | 1.32 | 9.81 | 1.54 | 10.5 | 1.64 | 11.19 | 1.75 | 12.56 | 1.99 | 13.94 | 2.22 |
| | 14 | 7.06 | 1.14 | 8.44 | 1.34 | 9.81 | 1.56 | 10.5 | 1.67 | 11.19 | 1.79 | 12.56 | 2.02 | 13.94 | 2.26 |
| | 16 | 7.06 | 1.16 | 8.44 | 1.36 | 9.81 | 1.59 | 10.5 | 1.7 | 11.19 | 1.81 | 12.56 | 2.06 | 13.94 | 2.31 |
| | 18 | 7.06 | 1.18 | 8.44 | 1.39 | 9.81 | 1.61 | 10.5 | 1.73 | 11.19 | 1.85 | 12.56 | 2.09 | 13.94 | 2.35 |
| | 20 | 7.06 | 1.19 | 8.44 | 1.41 | 9.81 | 1.64 | 10.5 | 1.76 | 11.19 | 1.89 | 12.56 | 2.14 | 13.94 | 2.4 |
| | 21 | 7.06 | 1.21 | 8.44 | 1.42 | 9.81 | 1.66 | 10.5 | 1.78 | 11.19 | 1.9 | 12.56 | 2.16 | 13.94 | 2.42 |
| | 23 | 7.06 | 1.22 | 8.44 | 1.45 | 9.81 | 1.69 | 10.5 | 1.81 | 11.19 | 1.94 | 12.56 | 2.24 | 13.94 | 2.58 |
| | 25 | 7.06 | 1.24 | 8.44 | 1.47 | 9.81 | 1.75 | 10.5 | 1.9 | 11.19 | 2.06 | 12.56 | 2.39 | 13.94 | 2.75 |
| | 27 | 7.06 | 1.29 | 8.44 | 1.56 | 9.81 | 1.86 | 10.5 | 2.03 | 11.19 | 2.19 | 12.56 | 2.55 | 13.94 | 2.94 |
| | 29 | 7.06 | 1.36 | 8.44 | 1.66 | 9.81 | 1.99 | 10.5 | 2.16 | 11.19 | 2.34 | 12.56 | 2.72 | 13.94 | 3.14 |
| | 31 | 7.06 | 1.45 | 8.44 | 1.76 | 9.81 | 2.11 | 10.5 | 2.29 | 11.19 | 2.49 | 12.56 | 2.89 | 13.94 | 3.34 |
| | 33 | 7.06 | 1.53 | 8.44 | 1.86 | 9.81 | 2.24 | 10.5 | 2.44 | 11.19 | 2.64 | 12.56 | 3.08 | 13.94 | 3.56 |
| 35 | 7.06 | 1.62 | 8.44 | 1.98 | 9.81 | 2.37 | 10.5 | 2.59 | 11.19 | 2.81 | 12.56 | 3.28 | 13.94 | 3.79 | |
| 37 | 7.06 | 1.71 | 8.44 | 2.09 | 9.81 | 2.51 | 10.5 | 2.74 | 11.19 | 2.98 | 12.56 | 3.49 | 13.94 | 4.03 | |
| 39 | 7.06 | 1.81 | 8.44 | 2.21 | 9.81 | 2.66 | 10.5 | 2.91 | 11.19 | 3.16 | 12.56 | 3.7 | 13.94 | 4.29 | |
| 41 | 7.06 | 1.87 | 8.44 | 2.31 | 9.81 | 2.76 | 10.5 | 3.02 | 11.19 | 3.28 | 12.56 | 3.87 | 13.94 | 4.48 | |
| 43 | 7.06 | 1.92 | 8.44 | 2.41 | 9.81 | 2.86 | 10.5 | 3.11 | 11.19 | 3.39 | 12.56 | 4.04 | 13.94 | 4.67 | |

MDV-V180W/DRN1

Cooling TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor temperature (°C DB) | Indoor temperature(°C DB/WB) | | | | | | | | | | | | | |
|-------------------------------------|-----------------------------|------------------------------|------|---------------|------|---------------|------|-------------|------|---------------|-------|---------------|-------|-------------|------|
| | | DB:20.8,WB:14 | | DB:23.3,WB:16 | | DB:25.8,WB:18 | | DB:27,WB:19 | | DB:28.2,WB:20 | | DB:30.7,WB:22 | | DB:32,WB:24 | |
| | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 50% | -5 | 5.91 | 0.86 | 7.06 | 0.99 | 8.19 | 1.14 | 8.75 | 1.19 | 9.31 | 1.26 | 10.44 | 1.43 | 11.63 | 1.54 |
| | -2 | 5.91 | 0.86 | 7.06 | 1.01 | 8.19 | 1.15 | 8.75 | 1.21 | 9.31 | 1.28 | 10.44 | 1.45 | 11.63 | 1.56 |
| | 0 | 5.91 | 0.88 | 7.06 | 1.03 | 8.19 | 1.17 | 8.75 | 1.23 | 9.31 | 1.3 | 10.44 | 1.47 | 11.63 | 1.59 |
| | 2 | 5.91 | 0.89 | 7.06 | 1.04 | 8.19 | 1.19 | 8.75 | 1.24 | 9.31 | 1.32 | 10.44 | 1.48 | 11.63 | 1.62 |
| | 4 | 5.91 | 0.9 | 7.06 | 1.06 | 8.19 | 1.21 | 8.75 | 1.26 | 9.31 | 1.35 | 10.44 | 1.52 | 11.63 | 1.66 |
| | 6 | 5.91 | 0.92 | 7.06 | 1.08 | 8.19 | 1.22 | 8.75 | 1.29 | 9.31 | 1.37 | 10.44 | 1.54 | 11.63 | 1.71 |
| | 8 | 5.91 | 0.94 | 7.06 | 1.09 | 8.19 | 1.24 | 8.75 | 1.32 | 9.31 | 1.39 | 10.44 | 1.57 | 11.63 | 1.77 |
| | 10 | 5.91 | 0.96 | 7.06 | 1.11 | 8.19 | 1.26 | 8.75 | 1.34 | 9.31 | 1.43 | 10.44 | 1.61 | 11.63 | 1.79 |
| | 12 | 5.91 | 0.96 | 7.06 | 1.12 | 8.19 | 1.29 | 8.75 | 1.36 | 9.31 | 1.46 | 10.44 | 1.64 | 11.63 | 1.82 |
| | 14 | 5.91 | 0.98 | 7.06 | 1.14 | 8.19 | 1.3 | 8.75 | 1.39 | 9.31 | 1.48 | 10.44 | 1.66 | 11.63 | 1.86 |
| | 16 | 5.91 | 0.99 | 7.06 | 1.15 | 8.19 | 1.32 | 8.75 | 1.41 | 9.31 | 1.5 | 10.44 | 1.69 | 11.63 | 1.89 |
| | 18 | 5.91 | 1.01 | 7.06 | 1.17 | 8.19 | 1.34 | 8.75 | 1.44 | 9.31 | 1.53 | 10.44 | 1.72 | 11.63 | 1.92 |
| | 20 | 5.91 | 1.02 | 7.06 | 1.19 | 8.19 | 1.36 | 8.75 | 1.46 | 9.31 | 1.56 | 10.44 | 1.75 | 11.63 | 1.96 |
| | 21 | 5.91 | 1.03 | 7.06 | 1.2 | 8.19 | 1.38 | 8.75 | 1.47 | 9.31 | 1.57 | 10.44 | 1.77 | 11.63 | 1.98 |
| | 23 | 5.91 | 1.04 | 7.06 | 1.21 | 8.19 | 1.4 | 8.75 | 1.5 | 9.31 | 1.6 | 10.44 | 1.8 | 11.63 | 2.02 |
| | 25 | 5.91 | 1.06 | 7.06 | 1.24 | 8.19 | 1.43 | 8.75 | 1.53 | 9.31 | 1.65 | 10.44 | 1.89 | 11.63 | 2.16 |
| | 27 | 5.91 | 1.08 | 7.06 | 1.29 | 8.19 | 1.51 | 8.75 | 1.63 | 9.31 | 1.75 | 10.44 | 2.01 | 11.63 | 2.3 |
| | 29 | 5.91 | 1.14 | 7.06 | 1.36 | 8.19 | 1.6 | 8.75 | 1.73 | 9.31 | 1.86 | 10.44 | 2.14 | 11.63 | 2.45 |
| | 31 | 5.91 | 1.2 | 7.06 | 1.44 | 8.19 | 1.69 | 8.75 | 1.84 | 9.31 | 1.98 | 10.44 | 2.28 | 11.63 | 2.61 |
| | 33 | 5.91 | 1.27 | 7.06 | 1.52 | 8.19 | 1.8 | 8.75 | 1.94 | 9.31 | 2.1 | 10.44 | 2.42 | 11.63 | 2.77 |
| 35 | 5.91 | 1.34 | 7.06 | 1.61 | 8.19 | 1.9 | 8.75 | 2.06 | 9.31 | 2.22 | 10.44 | 2.57 | 11.63 | 2.94 | |
| 37 | 5.91 | 1.41 | 7.06 | 1.7 | 8.19 | 2.01 | 8.75 | 2.18 | 9.31 | 2.36 | 10.44 | 2.73 | 11.63 | 3.13 | |
| 39 | 5.91 | 1.49 | 7.06 | 1.79 | 8.19 | 2.13 | 8.75 | 2.31 | 9.31 | 2.5 | 10.44 | 2.89 | 11.63 | 3.32 | |
| 41 | 5.91 | 1.55 | 7.06 | 1.87 | 8.19 | 2.21 | 8.75 | 2.41 | 9.31 | 2.61 | 10.44 | 3.05 | 11.63 | 3.48 | |
| 43 | 5.91 | 1.66 | 7.06 | 2 | 8.19 | 2.28 | 8.75 | 2.52 | 9.31 | 2.67 | 10.44 | 3.2 | 11.63 | 3.63 | |

Note:

1. [] is tested under our standard condition.
2. In cooling mode, avoid running the unit when outdoor air temperature is above 43 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

MDV-V180W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|------------------------------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| | °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW |
| 130% | -13.7 | -15 | 13.51 | 3.95 | 13.45 | 4.18 | 13.39 | 4.41 | 13.39 | 4.52 | 13.33 | 4.64 | 13.33 | 4.86 |
| | -11.8 | -13 | 14.05 | 4.13 | 14.05 | 4.35 | 13.99 | 4.56 | 13.93 | 4.68 | 13.93 | 4.79 | 13.87 | 5 |
| | -9.8 | -11 | 14.72 | 4.31 | 14.66 | 4.52 | 14.6 | 4.73 | 14.6 | 4.83 | 14.6 | 4.93 | 14.54 | 5.14 |
| | -9.5 | -10 | 15.08 | 4.4 | 15.02 | 4.6 | 14.96 | 4.81 | 14.96 | 4.91 | 14.9 | 5.01 | 14.9 | 5.21 |
| | -8.5 | -9.1 | 15.38 | 4.48 | 15.32 | 4.68 | 15.32 | 4.88 | 15.26 | 4.97 | 15.26 | 5.07 | 15.2 | 5.27 |
| | -7 | -7.6 | 15.92 | 4.61 | 15.92 | 4.81 | 15.86 | 4.99 | 15.86 | 5.09 | 15.8 | 5.18 | 15.74 | 5.38 |
| | -5 | -5.6 | 16.77 | 4.79 | 16.71 | 4.97 | 16.65 | 5.15 | 16.65 | 5.24 | 16.59 | 5.32 | 16.59 | 5.51 |
| | -3 | -3.7 | 17.55 | 4.94 | 17.49 | 5.12 | 17.49 | 5.29 | 17.43 | 5.38 | 17.43 | 5.46 | 17.37 | 5.63 |
| | 0 | -0.7 | 18.94 | 5.18 | 18.94 | 5.34 | 18.88 | 5.5 | 18.88 | 5.56 | 18.82 | 5.66 | 18.82 | 5.82 |
| | 3 | 2.2 | 20.45 | 5.4 | 20.39 | 5.55 | 20.33 | 5.69 | 20.33 | 5.77 | 20.33 | 5.84 | 20.27 | 5.99 |
| | 5 | 4.1 | 21.47 | 5.53 | 21.41 | 5.68 | 21.41 | 5.81 | 21.35 | 5.88 | 21.35 | 5.95 | 21.29 | 6.09 |
| | 7 | 6 | 22.56 | 5.66 | 22.5 | 5.79 | 22.5 | 5.93 | 22.44 | 5.99 | 22.44 | 6.06 | 21.53 | 5.82 |
| | 9 | 7.9 | 23.7 | 5.78 | 23.64 | 5.91 | 23.64 | 6.03 | 23.58 | 6.1 | 23.1 | 5.97 | 21.53 | 5.47 |
| | 11 | 9.8 | 24.91 | 5.9 | 24.85 | 6.01 | 24.73 | 6.09 | 23.89 | 5.85 | 23.1 | 5.61 | 21.53 | 5.15 |
| | 13 | 11.8 | 26.24 | 6.01 | 26.18 | 6.12 | 24.73 | 5.71 | 23.89 | 5.48 | 23.1 | 5.27 | 21.53 | 4.83 |
| 15 | 13.7 | 27.5 | 6.11 | 26.3 | 5.8 | 24.73 | 5.38 | 23.89 | 5.17 | 23.1 | 4.96 | 21.53 | 4.56 | |
| 120% | -13.7 | -15 | 13.45 | 4.26 | 13.39 | 4.47 | 13.33 | 4.68 | 13.33 | 4.79 | 13.33 | 4.89 | 13.27 | 5.1 |
| | -11.8 | -13 | 14 | 4.42 | 14 | 4.62 | 13.93 | 4.83 | 13.93 | 4.93 | 13.87 | 5.03 | 13.87 | 5.23 |
| | -9.8 | -11 | 14.66 | 4.59 | 14.6 | 4.78 | 14.6 | 4.97 | 14.54 | 5.07 | 14.54 | 5.16 | 14.48 | 5.36 |
| | -9.5 | -10 | 15.02 | 4.68 | 14.96 | 4.86 | 14.9 | 5.05 | 14.9 | 5.14 | 14.9 | 5.23 | 14.84 | 5.42 |
| | -8.5 | -9.1 | 15.32 | 4.75 | 15.26 | 4.93 | 15.26 | 5.11 | 15.2 | 5.2 | 15.2 | 5.3 | 15.14 | 5.48 |
| | -7 | -7.6 | 15.86 | 4.87 | 15.86 | 5.05 | 15.8 | 5.22 | 15.8 | 5.31 | 15.74 | 5.4 | 15.74 | 5.57 |
| | -5 | -5.6 | 16.71 | 5.03 | 16.65 | 5.19 | 16.59 | 5.36 | 16.59 | 5.45 | 16.59 | 5.53 | 16.53 | 5.7 |
| | -3 | -3.7 | 17.49 | 5.18 | 17.49 | 5.34 | 17.43 | 5.49 | 17.43 | 5.57 | 17.37 | 5.66 | 17.37 | 5.81 |
| | 0 | -0.7 | 18.88 | 5.4 | 18.88 | 5.55 | 18.82 | 5.69 | 18.82 | 5.77 | 18.76 | 5.84 | 18.76 | 5.99 |
| | 3 | 2.2 | 20.39 | 5.6 | 20.33 | 5.73 | 20.33 | 5.87 | 20.27 | 5.94 | 20.27 | 6.01 | 19.85 | 5.97 |
| | 5 | 4.1 | 21.41 | 5.72 | 21.35 | 5.85 | 21.35 | 5.98 | 21.29 | 6.05 | 21.29 | 6.11 | 19.85 | 5.61 |
| | 7 | 6 | 22.5 | 5.84 | 22.5 | 5.96 | 22.44 | 6.08 | 22.08 | 6 | 21.35 | 5.75 | 19.85 | 5.28 |
| | 9 | 7.9 | 23.65 | 5.95 | 23.59 | 6.07 | 22.8 | 5.87 | 22.08 | 5.64 | 21.35 | 5.41 | 19.85 | 4.97 |
| | 11 | 9.8 | 24.85 | 6.06 | 24.25 | 5.95 | 22.8 | 5.52 | 22.08 | 5.31 | 21.35 | 5.09 | 19.85 | 4.68 |
| | 13 | 11.8 | 25.76 | 6 | 24.25 | 5.58 | 22.8 | 5.18 | 22.08 | 4.98 | 21.35 | 4.79 | 19.85 | 4.4 |
| 15 | 13.7 | 25.76 | 5.65 | 24.25 | 5.26 | 22.8 | 4.88 | 22.08 | 4.69 | 21.35 | 4.51 | 19.85 | 4.16 | |
| 110% | -13.7 | -15 | 13.39 | 4.57 | 13.33 | 4.76 | 13.27 | 4.95 | 13.27 | 5.05 | 13.27 | 5.14 | 13.21 | 5.33 |
| | -11.8 | -13 | 13.93 | 4.72 | 13.93 | 4.9 | 13.87 | 5.08 | 13.87 | 5.18 | 13.81 | 5.27 | 13.81 | 5.45 |
| | -9.8 | -11 | 14.6 | 4.87 | 14.54 | 5.05 | 14.54 | 5.22 | 14.48 | 5.31 | 14.48 | 5.4 | 14.48 | 5.57 |
| | -9.5 | -10 | 14.96 | 4.95 | 14.9 | 5.12 | 14.84 | 5.29 | 14.84 | 5.38 | 14.84 | 5.46 | 14.78 | 5.63 |
| | -8.5 | -9.1 | 15.26 | 5.01 | 15.2 | 5.18 | 15.2 | 5.35 | 15.14 | 5.44 | 15.14 | 5.52 | 15.14 | 5.03 |
| | -7 | -7.6 | 15.8 | 5.13 | 15.8 | 5.29 | 15.74 | 5.45 | 15.74 | 5.53 | 15.74 | 5.61 | 15.68 | 5.77 |
| | -5 | -5.6 | 16.65 | 5.27 | 16.59 | 5.43 | 16.53 | 5.58 | 16.53 | 5.66 | 16.53 | 5.73 | 16.47 | 5.89 |
| | -3 | -3.7 | 17.43 | 5.41 | 17.43 | 5.55 | 17.37 | 5.7 | 17.37 | 5.77 | 17.31 | 5.84 | 17.31 | 5.99 |
| | 0 | -0.7 | 18.82 | 5.61 | 18.82 | 5.75 | 18.76 | 5.88 | 18.76 | 5.95 | 18.76 | 6.02 | 18.22 | 5.9 |
| | 3 | 2.2 | 20.33 | 5.8 | 20.27 | 5.92 | 20.27 | 6.05 | 20.21 | 6.1 | 19.54 | 5.86 | 18.22 | 5.37 |
| | 5 | 4.1 | 21.35 | 5.91 | 21.35 | 6.03 | 20.93 | 5.97 | 20.21 | 5.73 | 19.54 | 5.51 | 18.22 | 5.05 |
| | 7 | 6 | 22.44 | 6.02 | 22.26 | 6.06 | 20.93 | 5.61 | 20.21 | 5.39 | 19.54 | 5.18 | 18.22 | 4.75 |
| | 9 | 7.9 | 23.58 | 6.12 | 22.26 | 5.69 | 20.93 | 5.28 | 20.21 | 5.07 | 19.54 | 4.87 | 18.22 | 4.48 |
| | 11 | 9.8 | 23.58 | 5.75 | 22.26 | 5.36 | 20.93 | 4.97 | 20.21 | 4.78 | 19.54 | 4.59 | 18.22 | 4.23 |
| | 13 | 11.8 | 23.58 | 5.4 | 22.26 | 5.03 | 20.93 | 4.67 | 20.21 | 4.49 | 19.54 | 4.32 | 18.22 | 3.98 |
| 15 | 13.7 | 23.58 | 4.79 | 22.26 | 4.74 | 20.93 | 4.41 | 20.21 | 4.24 | 19.54 | 4.08 | 18.22 | 3.77 | |

MDV-V180W/DRN1**Heating** TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|------------------------------------|-------|---------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | | | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| °C DB | °C WB | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | kW | |
| 100% | -13.7 | -15 | 13.33 | 4.87 | 13.27 | 5.05 | 13.21 | 5.22 | 13.21 | 5.31 | 13.21 | 5.4 | 13.15 | 5.57 |
| | -11.8 | -13 | 13.87 | 5.01 | 13.87 | 5.18 | 13.81 | 5.34 | 13.81 | 5.43 | 13.81 | 5.51 | 13.75 | 5.68 |
| | -9.8 | -11 | 14.54 | 5.15 | 14.48 | 5.31 | 14.48 | 5.47 | 14.48 | 5.55 | 14.42 | 5.63 | 14.42 | 5.79 |
| | -9.5 | -10 | 14.9 | 5.22 | 14.84 | 5.38 | 14.84 | 5.53 | 14.78 | 5.61 | 14.78 | 5.69 | 14.72 | 5.84 |
| | -8.5 | -9.1 | 15.2 | 5.28 | 15.14 | 5.44 | 15.14 | 5.58 | 15.14 | 5.66 | 15.08 | 5.74 | 15.08 | 5.89 |
| | -7 | -7.6 | 15.74 | 5.38 | 15.74 | 5.53 | 15.68 | 5.68 | 15.68 | 5.75 | 15.68 | 5.82 | 15.62 | 5.97 |
| | -5 | -5.6 | 16.59 | 5.52 | 16.53 | 5.66 | 16.53 | 5.8 | 16.47 | 5.86 | 16.47 | 5.94 | 16.41 | 6.08 |
| | -3 | -3.7 | 17.37 | 5.64 | 17.37 | 5.12 | 17.31 | 5.91 | 17.31 | 5.97 | 17.31 | 6.04 | 16.59 | 5.79 |
| | 0 | -0.7 | 18.76 | 5.82 | 18.76 | 5.95 | 18.7 | 6.07 | 18.4 | 5.97 | 17.79 | 5.73 | 16.59 | 5.25 |
| | 3 | 2.2 | 20.27 | 5.99 | 20.21 | 6.1 | 19 | 5.65 | 18.4 | 5.43 | 17.79 | 5.21 | 16.59 | 4.79 |
| | 5 | 4.1 | 21.29 | 6.1 | 20.21 | 5.73 | 19 | 5.31 | 18.4 | 5.11 | 17.79 | 4.91 | 16.59 | 4.51 |
| | 7 | 6 | 21.41 | 5.79 | 20.21 | 5.39 | 19 | 5 | 18.4 | 4.81 | 17.79 | 4.62 | 16.59 | 4.25 |
| | 9 | 7.9 | 21.41 | 5.44 | 20.21 | 5.07 | 19 | 4.71 | 18.4 | 4.47 | 17.79 | 4.36 | 16.59 | 4.01 |
| | 11 | 9.8 | 21.41 | 5.12 | 20.21 | 4.78 | 19 | 4.44 | 18.4 | 4.27 | 17.79 | 4.11 | 16.59 | 3.79 |
| | 13 | 11.8 | 21.41 | 4.81 | 20.21 | 4.49 | 19 | 4.18 | 18.4 | 4.03 | 17.79 | 3.88 | 16.59 | 3.58 |
| 15 | 13.7 | 21.41 | 4.54 | 20.21 | 4.24 | 19 | 3.95 | 18.4 | 3.81 | 17.79 | 3.66 | 16.59 | 3.39 | |
| 90% | -13.7 | -15 | 13.25 | 5.18 | 13.19 | 5.34 | 13.19 | 5.49 | 13.13 | 5.57 | 13.13 | 5.65 | 13.13 | 5.81 |
| | -11.8 | -13 | 13.79 | 5.31 | 13.79 | 5.45 | 13.73 | 5.6 | 13.73 | 5.68 | 13.73 | 5.75 | 13.67 | 5.9 |
| | -9.8 | -11 | 14.45 | 5.43 | 14.45 | 5.57 | 14.39 | 5.71 | 14.39 | 5.79 | 14.39 | 5.86 | 14.33 | 6.01 |
| | -9.5 | -10 | 14.81 | 5.49 | 14.75 | 5.64 | 14.75 | 5.77 | 14.69 | 5.84 | 14.69 | 5.92 | 14.69 | 6.05 |
| | -8.5 | -9.1 | 15.11 | 5.55 | 15.11 | 5.69 | 15.05 | 5.82 | 15.05 | 5.89 | 15.05 | 5.96 | 14.87 | 6.02 |
| | -7 | -7.6 | 15.66 | 5.64 | 15.66 | 5.77 | 15.6 | 5.91 | 15.6 | 5.97 | 15.6 | 6.04 | 14.87 | 5.75 |
| | -5 | -5.6 | 16.5 | 5.77 | 16.44 | 5.89 | 16.44 | 6.01 | 16.38 | 6.08 | 15.96 | 5.89 | 14.87 | 5.4 |
| | -3 | -3.7 | 17.28 | 5.88 | 17.28 | 5.99 | 17.1 | 6.02 | 16.5 | 5.78 | 15.96 | 5.55 | 14.87 | 5.09 |
| | 0 | -0.7 | 18.73 | 6.05 | 18.18 | 5.9 | 17.1 | 5.46 | 16.5 | 5.25 | 15.96 | 5.04 | 14.87 | 4.63 |
| | 3 | 2.2 | 19.27 | 5.76 | 18.18 | 5.36 | 17.1 | 4.97 | 16.5 | 4.79 | 15.96 | 4.6 | 14.87 | 4.23 |
| | 5 | 4.1 | 19.27 | 5.42 | 18.18 | 5.05 | 17.1 | 4.69 | 16.5 | 4.51 | 15.96 | 4.34 | 14.87 | 3.99 |
| | 7 | 6 | 19.27 | 5.09 | 18.18 | 4.75 | 17.1 | 4.42 | 16.5 | 4.25 | 15.96 | 4.09 | 14.87 | 3.77 |
| | 9 | 7.9 | 19.27 | 4.8 | 18.18 | 4.47 | 17.1 | 4.16 | 16.5 | 4.01 | 15.96 | 3.86 | 14.87 | 3.57 |
| | 11 | 9.8 | 19.27 | 4.52 | 18.18 | 4.22 | 17.1 | 3.94 | 16.5 | 3.79 | 15.96 | 3.65 | 14.87 | 3.38 |
| | 13 | 11.8 | 19.27 | 4.25 | 18.18 | 3.98 | 17.1 | 3.71 | 16.5 | 3.58 | 15.96 | 3.45 | 14.87 | 3.19 |
| 15 | 13.7 | 19.27 | 4.02 | 18.18 | 3.76 | 17.1 | 3.51 | 16.5 | 3.39 | 15.96 | 3.27 | 14.87 | 3.03 | |
| 80% | -13.7 | -15 | 13.21 | 5.49 | 13.15 | 5.62 | 13.15 | 5.77 | 13.15 | 5.83 | 13.09 | 5.9 | 13.09 | 6.05 |
| | -11.8 | -13 | 13.75 | 5.6 | 13.75 | 5.73 | 13.69 | 5.86 | 13.69 | 5.93 | 13.69 | 6 | 13.27 | 5.84 |
| | -9.8 | -11 | 14.42 | 5.71 | 14.42 | 5.84 | 14.35 | 5.97 | 14.35 | 6.03 | 14.23 | 6.01 | 13.27 | 5.51 |
| | -9.5 | -10 | 14.78 | 5.77 | 14.72 | 5.89 | 14.72 | 6.01 | 14.72 | 6.08 | 14.23 | 5.84 | 13.27 | 5.35 |
| | -8.5 | -9.1 | 15.08 | 5.82 | 14.02 | 5.94 | 15.02 | 6.06 | 14.72 | 5.92 | 14.23 | 5.68 | 13.27 | 5.21 |
| | -7 | -7.6 | 15.62 | 5.9 | 15.62 | 6.02 | 15.2 | 5.89 | 14.72 | 5.66 | 14.23 | 5.43 | 13.27 | 4.98 |
| | -5 | -5.6 | 16.47 | 6.01 | 16.17 | 5.97 | 15.2 | 5.53 | 14.72 | 5.32 | 14.23 | 5.1 | 13.27 | 4.69 |
| | -3 | -3.7 | 17.13 | 6.04 | 16.17 | 5.62 | 15.2 | 5.21 | 14.72 | 5.01 | 14.23 | 4.81 | 13.27 | 4.43 |
| | 0 | -0.7 | 17.13 | 5.48 | 16.17 | 5.1 | 15.2 | 4.74 | 14.72 | 4.56 | 14.23 | 4.38 | 13.27 | 4.04 |
| | 3 | 2.2 | 17.13 | 4.99 | 16.17 | 4.66 | 15.2 | 4.33 | 14.72 | 4.17 | 14.23 | 4.01 | 13.27 | 3.7 |
| | 5 | 4.1 | 17.13 | 4.7 | 16.17 | 4.39 | 15.2 | 4.08 | 14.72 | 3.93 | 14.23 | 3.79 | 13.27 | 3.5 |
| | 7 | 6 | 17.13 | 4.43 | 16.17 | 4.14 | 15.2 | 3.86 | 14.72 | 3.72 | 14.23 | 3.58 | 13.27 | 3.31 |
| | 9 | 7.9 | 17.13 | 4.18 | 16.17 | 3.91 | 15.2 | 3.64 | 14.72 | 3.51 | 14.23 | 3.39 | 13.27 | 3.14 |
| | 11 | 9.8 | 17.13 | 3.95 | 16.17 | 3.69 | 15.2 | 3.45 | 14.72 | 3.32 | 14.23 | 3.21 | 13.27 | 2.97 |
| | 13 | 11.8 | 17.13 | 3.72 | 16.17 | 3.49 | 15.2 | 3.26 | 14.72 | 3.14 | 14.23 | 3.03 | 13.27 | 2.81 |
| 15 | 13.7 | 17.13 | 3.52 | 16.17 | 3.31 | 15.2 | 3.09 | 14.72 | 2.98 | 14.23 | 2.88 | 13.27 | 2.68 | |

MDV-V180W/DRN1

Heating TC: Total Capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

| Combination (%) (Capacity index) | Outdoor Air temperature (°C DB) | | Indoor temperature(°C WB) | | | | | | | | | | | |
|-------------------------------------|------------------------------------|-------|---------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | 16 | | 18 | | 20 | | 21 | | 22 | | 24 | |
| | °C DB | °C WB | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 70% | -13.7 | -15 | 13.12 | 5.79 | 13.06 | 5.92 | 13.06 | 6.04 | 12.82 | 5.95 | 12.4 | 5.71 | 11.56 | 5.23 |
| | -11.8 | -13 | 13.66 | 5.89 | 13.66 | 6.01 | 13.3 | 5.86 | 12.82 | 5.64 | 12.4 | 5.41 | 11.56 | 4.96 |
| | -9.8 | -11 | 14.32 | 5.99 | 14.14 | 5.98 | 13.3 | 5.54 | 12.82 | 5.32 | 12.4 | 5.11 | 11.56 | 4.69 |
| | -9.5 | -10 | 14.68 | 6.04 | 14.14 | 5.8 | 13.3 | 5.38 | 12.82 | 5.17 | 12.4 | 4.97 | 11.56 | 4.56 |
| | -8.5 | -9.1 | 14.99 | 6.07 | 14.14 | 5.65 | 13.3 | 5.23 | 12.82 | 5.03 | 12.4 | 4.84 | 11.56 | 4.45 |
| | -7 | -7.6 | 14.99 | 5.8 | 14.14 | 5.4 | 13.3 | 5.01 | 12.82 | 4.82 | 12.4 | 4.63 | 11.56 | 4.26 |
| | -5 | -5.6 | 14.99 | 5.45 | 14.14 | 5.08 | 13.3 | 4.71 | 12.82 | 4.53 | 12.4 | 5.35 | 11.56 | 4.02 |
| | -3 | -3.7 | 14.99 | 5.13 | 14.14 | 4.79 | 13.3 | 4.45 | 12.82 | 4.28 | 12.4 | 4.12 | 11.56 | 3.8 |
| | 0 | -0.7 | 14.99 | 4.67 | 14.14 | 4.36 | 13.3 | 4.06 | 12.82 | 3.91 | 12.4 | 3.77 | 11.56 | 3.48 |
| | 3 | 2.2 | 14.99 | 4.27 | 14.14 | 3.99 | 13.3 | 3.72 | 12.82 | 3.58 | 12.4 | 3.45 | 11.56 | 3.19 |
| | 5 | 4.1 | 14.99 | 4.03 | 14.14 | 3.77 | 13.3 | 3.52 | 12.82 | 3.39 | 12.4 | 3.27 | 11.56 | 3.03 |
| | 7 | 6 | 14.99 | 3.8 | 14.14 | 3.56 | 13.3 | 3.32 | 12.82 | 3.21 | 12.4 | 3.1 | 11.56 | 2.87 |
| | 9 | 7.9 | 14.99 | 3.6 | 14.14 | 3.37 | 13.3 | 3.15 | 12.82 | 3.04 | 12.4 | 2.93 | 11.56 | 2.72 |
| | 11 | 9.8 | 14.99 | 3.4 | 14.14 | 3.19 | 13.3 | 2.99 | 12.82 | 2.88 | 12.4 | 2.79 | 11.56 | 2.58 |
| | 13 | 11.8 | 14.99 | 3.21 | 14.14 | 3.02 | 13.3 | 2.82 | 12.82 | 2.73 | 12.4 | 2.64 | 11.56 | 2.45 |
| 15 | 13.7 | 14.99 | 3.05 | 14.14 | 2.86 | 13.3 | 2.68 | 12.82 | 2.6 | 12.4 | 2.51 | 11.56 | 2.34 | |
| 60% | -13.7 | -15 | 12.85 | 5.95 | 12.12 | 5.53 | 11.4 | 5.13 | 11.04 | 4.93 | 10.68 | 4.74 | 9.95 | 4.36 |
| | -11.8 | -13 | 12.85 | 5.63 | 12.12 | 5.24 | 11.4 | 4.86 | 11.04 | 4.68 | 10.68 | 4.5 | 9.95 | 4.16 |
| | -9.8 | -11 | 12.85 | 5.32 | 12.12 | 4.95 | 11.4 | 4.6 | 11.04 | 4.43 | 10.68 | 4.26 | 9.95 | 3.93 |
| | -9.5 | -10 | 12.85 | 5.17 | 12.12 | 4.82 | 11.4 | 4.47 | 11.04 | 4.31 | 10.68 | 4.14 | 9.95 | 3.82 |
| | -8.5 | -9.1 | 12.85 | 5.03 | 12.12 | 4.69 | 11.4 | 4.36 | 11.04 | 4.2 | 10.68 | 4.04 | 9.95 | 3.73 |
| | -7 | -7.6 | 12.85 | 4.81 | 12.12 | 4.49 | 11.4 | 4.18 | 11.04 | 4.03 | 10.68 | 3.87 | 9.95 | 3.58 |
| | -5 | -5.6 | 12.85 | 4.53 | 12.12 | 4.23 | 11.4 | 3.94 | 11.04 | 3.8 | 10.68 | 3.66 | 9.95 | 3.38 |
| | -3 | -3.7 | 12.85 | 4.28 | 12.12 | 4 | 11.4 | 3.73 | 11.04 | 3.6 | 10.68 | 3.46 | 9.95 | 3.2 |
| | 0 | -0.7 | 12.85 | 3.91 | 12.12 | 3.66 | 11.4 | 3.42 | 11.04 | 3.3 | 10.68 | 3.18 | 9.95 | 2.94 |
| | 3 | 2.2 | 12.85 | 3.58 | 12.12 | 3.36 | 11.4 | 3.14 | 11.04 | 3.03 | 10.68 | 2.93 | 9.95 | 2.71 |
| | 5 | 4.1 | 12.85 | 3.39 | 12.12 | 3.18 | 11.4 | 2.97 | 11.04 | 2.88 | 10.68 | 2.77 | 9.95 | 2.58 |
| | 7 | 6 | 12.85 | 3.21 | 12.12 | 3.01 | 11.4 | 2.82 | 11.04 | 2.73 | 10.68 | 2.64 | 9.95 | 2.45 |
| | 9 | 7.9 | 12.85 | 3.04 | 12.12 | 2.86 | 11.4 | 2.68 | 11.04 | 2.59 | 10.68 | 2.5 | 9.95 | 2.33 |
| | 11 | 9.8 | 12.85 | 2.88 | 12.12 | 2.71 | 11.4 | 2.55 | 11.04 | 2.46 | 10.68 | 2.38 | 9.95 | 2.22 |
| | 13 | 11.8 | 12.85 | 2.73 | 12.12 | 2.57 | 11.4 | 2.42 | 11.04 | 2.34 | 10.68 | 2.26 | 9.95 | 2.11 |
| 15 | 13.7 | 12.85 | 2.6 | 12.12 | 2.44 | 11.4 | 2.3 | 11.04 | 2.23 | 10.68 | 2.16 | 9.95 | 2.01 | |
| 50% | -13.7 | -15 | 10.7 | 4.77 | 10.1 | 4.45 | 9.5 | 4.14 | 9.14 | 3.99 | 8.84 | 3.84 | 8.24 | 3.55 |
| | -11.8 | -13 | 10.7 | 4.53 | 10.1 | 4.23 | 9.5 | 3.93 | 9.14 | 3.79 | 8.84 | 3.65 | 8.24 | 3.38 |
| | -9.8 | -11 | 10.7 | 4.29 | 10.1 | 4.01 | 9.5 | 3.73 | 9.14 | 3.6 | 8.84 | 3.47 | 8.24 | 3.21 |
| | -9.5 | -10 | 10.7 | 4.17 | 10.1 | 3.9 | 9.5 | 3.64 | 9.14 | 3.51 | 8.84 | 3.38 | 8.24 | 3.12 |
| | -8.5 | -9.1 | 10.7 | 4.06 | 10.1 | 3.81 | 9.5 | 3.55 | 9.14 | 3.42 | 8.84 | 3.3 | 8.24 | 3.05 |
| | -7 | -7.6 | 10.7 | 3.9 | 10.1 | 3.65 | 9.5 | 3.4 | 9.14 | 3.29 | 8.84 | 3.17 | 8.24 | 2.93 |
| | -5 | -5.6 | 10.7 | 3.68 | 10.1 | 3.45 | 9.5 | 3.22 | 9.14 | 3.11 | 8.84 | 3 | 8.24 | 2.78 |
| | -3 | -3.7 | 10.7 | 3.48 | 10.1 | 3.27 | 9.5 | 3.05 | 9.14 | 2.95 | 8.84 | 2.84 | 8.24 | 2.64 |
| | 0 | -0.7 | 10.7 | 3.19 | 10.1 | 3 | 9.5 | 2.81 | 9.14 | 2.71 | 8.84 | 2.62 | 8.24 | 2.44 |
| | 3 | 2.2 | 10.7 | 2.94 | 10.1 | 2.77 | 9.5 | 2.59 | 9.14 | 2.51 | 8.84 | 2.42 | 8.24 | 2.26 |
| | 5 | 4.1 | 10.7 | 2.79 | 10.1 | 2.62 | 9.5 | 2.46 | 9.14 | 2.38 | 8.84 | 2.31 | 8.24 | 2.15 |
| | 7 | 6 | 10.7 | 2.65 | 10.1 | 2.49 | 9.5 | 2.34 | 9.14 | 2.27 | 8.84 | 2.19 | 8.24 | 2.05 |
| | 9 | 7.9 | 10.7 | 2.51 | 10.1 | 2.37 | 9.5 | 2.23 | 9.14 | 2.16 | 8.84 | 2.09 | 8.24 | 1.95 |
| | 11 | 9.8 | 10.7 | 2.39 | 10.1 | 2.25 | 9.5 | 2.12 | 9.14 | 2.06 | 8.84 | 1.99 | 8.24 | 1.86 |
| | 13 | 11.8 | 10.7 | 2.27 | 10.1 | 2.14 | 9.5 | 2.02 | 9.14 | 1.96 | 8.84 | 1.9 | 8.24 | 1.78 |
| 15 | 13.7 | 10.7 | 2.16 | 10.1 | 2.05 | 9.5 | 1.93 | 9.14 | 1.87 | 8.84 | 1.81 | 8.24 | 1.7 | |

Note:

1. [] is tested under our standard condition.
2. In heating mode, avoid running the unit when the outdoor air temperature is below -15 degrees.
3. The above table shows the average value of conditions may operate.
4. It is recommended to connect less than 130%.

8. Electric Characteristics

| Model | Outdoor Unit | | | | Power Supply | | | Compressor | | OFM | |
|-----------------------|--------------|---------|-------------|-------------|--------------|------|-----|------------|-----|-------|-------|
| | Hz | Voltage | Min. (V) | Max. (V) | MCA | TOCA | MFA | MSC | RLA | kW | FLA |
| MDV-V120W/DRN1 | 50 | 380-415 | 342 | 456 | 15 | 15 | 25 | / | 9.3 | 2×0.1 | 2×0.9 |
| MDV-V140W/DRN1 | 50 | 380-415 | 342 | 456 | 16.25 | 15 | 25 | / | 9.3 | 2×0.1 | 2×0.9 |
| MDV-V160W/DRN1 | 50 | 380-415 | 342 | 456 | 17.5 | 15 | 25 | / | 12 | 2×0.1 | 2×0.9 |
| MDV-V180W/DRN1 | 50 | 380-415 | 342 | 456 | 18.75 | 16 | 25 | / | 12 | 2×0.1 | 2×0.9 |

Remark:

TOCA: Total Over-current Amps. (A)

MFA: Max. Fuse Amps. (A)

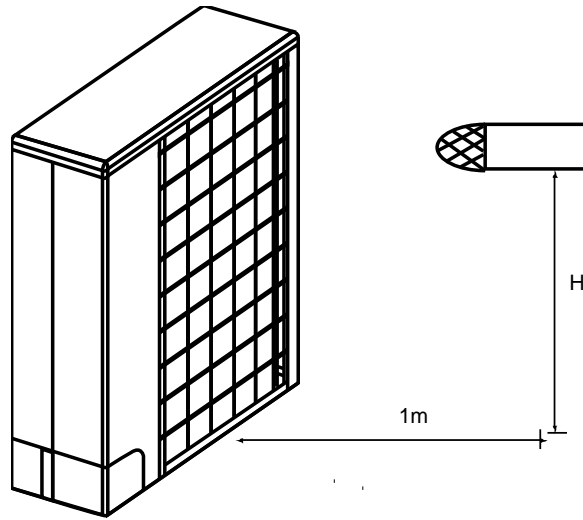
RLA: Rated Locked Amps. (A)

OFM: Outdoor Fan Motor.

FLA: Full Load Amps. (A)

KW: Rated Motor Output (KW)

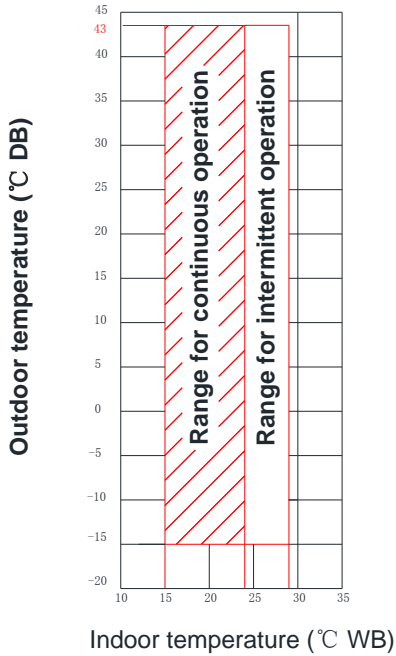
9. Sound Levels



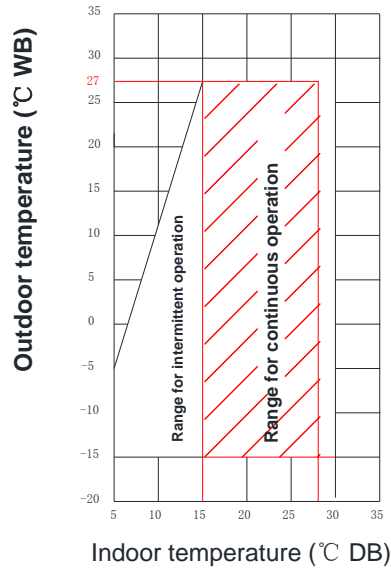
| Model | Noise level dB(A) | Height (m) |
|----------------|-------------------|------------|
| MDV-V120W/DRN1 | 57 | 1.2 |
| MDV-V140W/DRN1 | 57 | 1.2 |
| MDV-V160W/DRN1 | 57 | 1.2 |
| MDV-V180W/DRN1 | 59 | 1.2 |

10. Operation Limits

Cooling



Heating



Note:

- These figures assume the following operating conditions:
 Equivalent piping length: 7.5m
 Level difference: 0m
- If the system is running in cooling mode, when the ambient temperature is lower than -15°C or higher than 43°C, the unit will stop for protection control.

Part 3 Installation

| | |
|--|-----------|
| 1. Precautions | 55 |
| 2. Accessories | 56 |
| 3. Outdoor unit installation | 56 |
| 4. Piping installation..... | 58 |
| 5. Electric Wiring Installations..... | 62 |
| 6. Outdoor Unit Wiring | 66 |
| 7. Test Running..... | 68 |
| 8. Precautions on Refrigerant Leakage | 69 |

1. Precautions

- Ensure that all Local, National and International regulations are satisfied.
- Read this "PRECAUTIONS" carefully before Installation.
- The precautions described below include the important Items regarding safety.
- Observe them without fail.
- After the installation work, perform a trial operation to check for any problem.
- Follow the Owner's Manual to explain how to use and maintain the unit to the customer.
- Turn off the main power supply switch (or breaker) before maintenance the unit.
- Ask the customer that the Installation Manual and the Owner's manual should be kept together.

Caution 1:

The characteristics of R410A refrigerant are: Hydrophilic, oxidizing membrane or oil, and its pressure is approx.1.6 times higher than that of refrigerant R22. Accompanied with the new refrigerant, refrigerating oil has also been changed, Therefore, during installation work, be sure that water, dust, former refrigerant, or refrigerating oil does not enter the refrigerating cycle.

To prevent charging an incorrect refrigerant and refrigerating oil, the sizes of connecting sections of charging port of the main unit and installation tools are charged from those for the conventional refrigerant.

Accordingly the exclusive tools are required for the new refrigerant (R410A).

For connecting pipes, use new and clean pipes designed for R410A, and please care so that water or dust does not enter.

Moreover, do not use the existing piping because there are problems with pressure-resistance force and impurity in it.

Caution 2:

This unit must be connected to the main power supply by means of a switch with a contact separation of at least 3 mm. The installation fuse must be used for the power supply line of this conditioner.

Caution 3:

Ask an authorized dealer or qualified installation professional to install/maintain the air conditioner. Inappropriate installation may result in water leakage, electric shock or fire.

Turn off the main power supply switch or breaker before attempting any electrical work. Make sure all power switches are off.

Failure to do so may cause electric shock.

Connect the connecting cable correctly. If the connecting cable is connected in a wrong way, electric parts may be damaged.

When moving the air conditioner for the installation into another place, be very careful not to enter any gaseous matter other than the specified refrigerant into the refrigeration cycle. If air or any other has is mixed in refrigerant, the gas pressure in the refrigeration cycle becomes abnormally high and it may resultantly causes pipe burst and injuries on persons.

Do not modify this unit by removing any of the safety guards or by by-passing any of the safety inters lock switches. Exposure of unit to water or other moisture before installation may cause a short circuit of electrical parts.

Do not store it in a wet basement or expose to rain or water. After unpacking the unit, examine it carefully if there are possible damage.

Do not install in a place that might increase the vibration of the unit. To avoid personal injury (with sharp edges) be careful when handling parts.

Perform installation work properly according to the Installation Manual. Inappropriate installation may result in water leakage, electric shock or fire. When the air conditioner is installed in a small room, provide appropriate measures to ensure that the concentration of refrigerant leakage occur in the room does not exceed the critical level. If refrigerant gas has leaked during the installation work, ventilate the room immediately. If the leaked refrigerant gas comes in contact with fire, noxious gas may generate. After the installation work, confirm that refrigerant gas doer not leak. If refrigerant gas leaks into the room and flows near a fire source, such as a cooking range, noxious gas might generate.





Install the air conditioner securely in a location where the base can sustain the weight adequately. Perform the specified installation work to guard against an earthquake. If the air conditioner is not installed appropriately, accidents may occur due to the falling unit.

Electrical work must be performed by a qualified electrician in accordance with the Installation Manual. Make sure the air conditioner uses an exclusive power supply. An insufficient power supply capacity or inappropriate installation may cause fire. Use the specified cables for wiring connect the terminals securely fix. To prevent external forces applied to the terminals from affecting the terminals. Be sure to provide grounding. Do not connect ground wires to gas pipes, water pipes, lightning rods or ground wires for telephone cables. Conform to the regulations of the local electric company when wiring the power supply.

Inappropriate grounding may cause electric shock Do not install the air conditioner in a location subject to a risk of exposure to a combustible gas. If a combustible gas leaks, and stays around the unit, a fire may occur.

2. Accessories

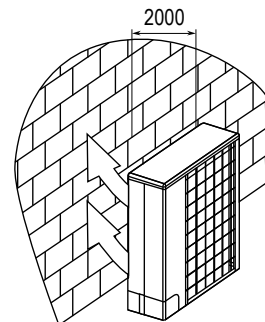
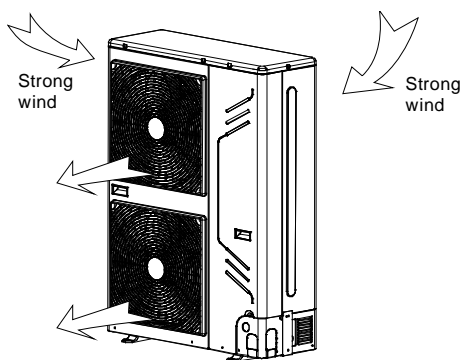
Please check whether the following fittings are of full scope. If there are some spare fittings, please keep them carefully.

| INSTALLATION FITTINGS | NAME | SHAPE | QUANTITY |
|-----------------------|-------------------------------------|--|----------|
| | 1. Outdoor unit installation manual |  | 1 |
| | 2. Outdoor unit owner's manual |  | 1 |
| | 3. Indoor unit owner's manual |  | 1 |
| | 4. Outflow connecting tube |  | 1 |

3. Outdoor unit installation

3.1 Installation space selection

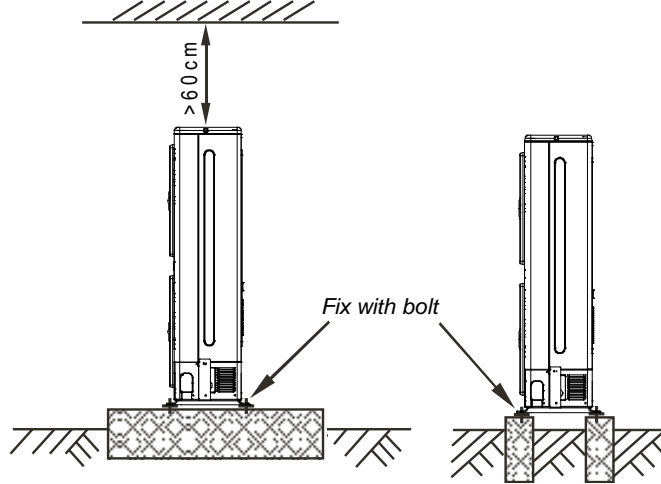
- Install the outdoor unit at a place where discharge air is not blocked. When an outdoor unit is installed in a place that is always exposed
- To a strong wind like a coast or on the high store of a building, secure a normal fan operation by using a duct or a wind shield.
- When installing the outdoor unit in a place that is constantly exposed to a strong wind such as the upper stairs or rooftop of a building, apply the windproof measures referring to the following examples.
- Install the unit so that its discharge port faces to the wall of the building. Keep a distance 2000mm or more between the unit and the wall surface.
- Supposing the wind direction during the operation season of the discharge port is set at right angle to the wind direction.



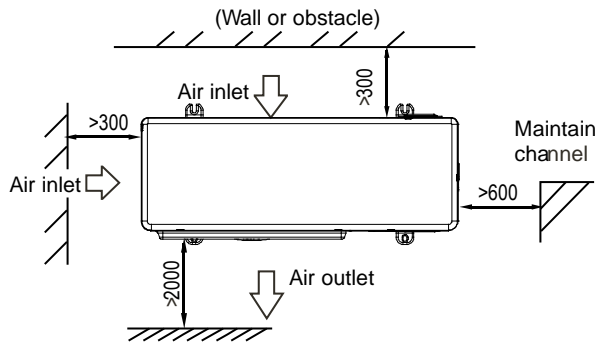
- Do not install the unit in a place full of machine oil.
- Do not install the unit in a place full of sulphuric gas.
- Do not install the unit in a place where high-frequency radio waves are likely to be.

3.2 Installation space (units: mm)

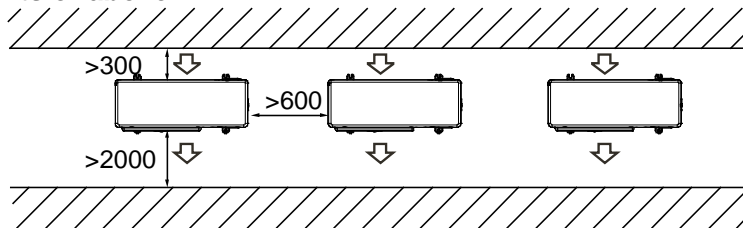
- Since the gravity center of the unit is not at its physical center, so please be careful when lifting it with a sling.
- Never hold the inlet of the outdoor unit to prevent it from deforming.
- Do not touch the fan with hands or other objects.
- Do not lean it more than 45°, and do not lay it sidelong.
- Make concrete foundation according to the specifications of the outdoor units.
- Fasten the feet of this unit with bolts firmly to prevent it from collapsing in case of earthquake or strong wind.



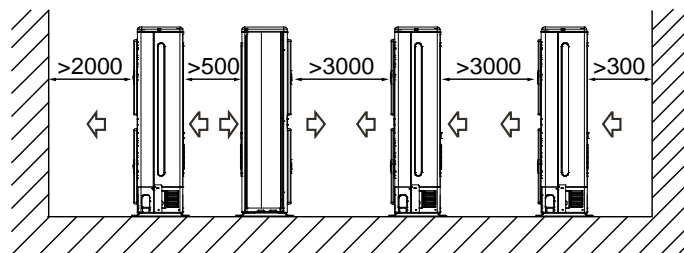
Single unit installation



Parallel connect two units or above



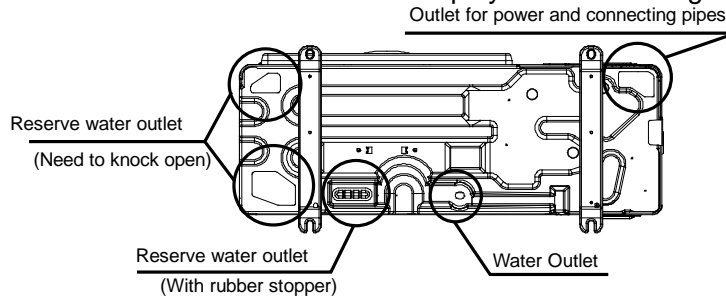
Parallel connect the front with rear sides



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.

3.3 Water Outlet

Four condensed water outlets on the chassis for selection display as the follow figure:

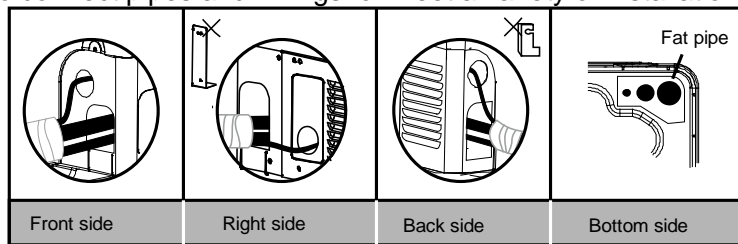


While installing the outdoor unit, pay attention to the installation place and the drainage pattern; if it's installed at the alpine zone, the frozen condensed water will block up the water outlet, please pull out the rubber stopper of the reserve water outlet. If that still fails to satisfy for the water draining, please knock open the other two water outlets, and keep the water can drain in time. Pay attention to the knock the reserve water outlet from outside to inside, and it will be beyond repair after knocking open, please pay attention to the installation place, lest cause the inconvenience. Please do the moth proofing for the knocked out hole, to avoid the pest processing into and destroy the components.

4. Piping installation

4.1 Piping connection

Offering four directions to connect pipes and wirings for meet a variety of installation request.



Right side pipe connection: please remove the L-shape metal plate, otherwise cannot wiring.

Back side pipe connection: Please wipe off the piping support rubber blanket beside the inner outlet pipe cover of the machine while back side getting out pipes.

Bottom side pipe connection: the knock out should from inside to outside, and then piping and wiring through this.

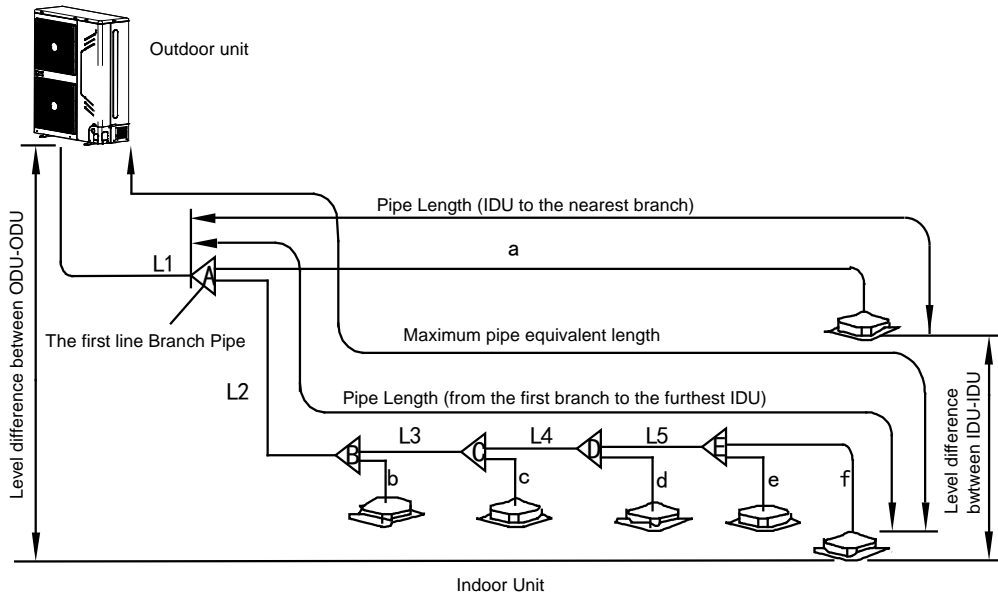
Pay attention to the piping the fat connecting pipe should out from the largest hole, otherwise the pipes will be rubbed. Please do the moth proofing for the knocked out hole, to avoid the pest processing into and destroy the components.

4.2 Allowable length and level difference of refrigerant pipe

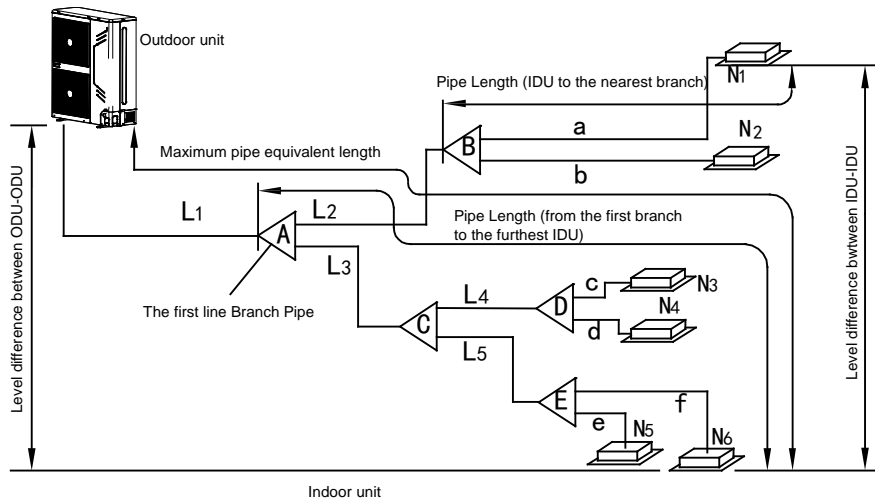
| | | Permitted value | Piping | |
|--|---|-------------------|---|---|
| Pipe Length | Total Pipe Length(Actual) | ≤100m | L1+L2+L3+L4+L5+a+b+c+d+e+f | |
| | Maximum Piping(L) | Actual Length | ≤60 | L1+L2+L3+L4+L5+f(The first connecting method) or L1+L3+L5+f(The second connecting method) |
| | | Equivalent Length | ≤70m | |
| | Pipe Length (from the first branch to the furthest IDU) | ≤20m | L2+L3+L4+L5+f(The first connecting method) or L3+L5+f(The second connecting method) | |
| Pipe Length(IDU to the nearest branch) | ≤15m | a,b,c,d,e | | |
| Level difference | Level difference between IDU~ODU | Outdoor Unit up | ≤30m | ---- |
| | | Indoor Unit Down | ≤20m | ---- |
| | Level difference between IDU~IDU | ≤8m | ---- | |

Note: When the total equivalent piping length of liquid + gas side is ≥90m, it must increase the size of air side main pipe. Besides, according to the distance of refrigerant pipe and the over matched state of indoor unit, when the capacity is decreasing it still can increase the gas side main pipe size.

The first connecting method

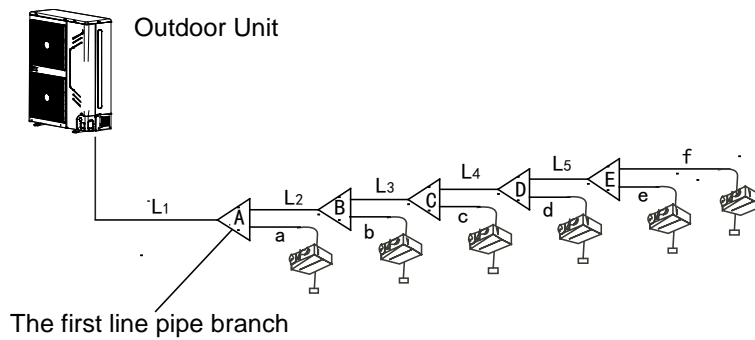


The second connecting method

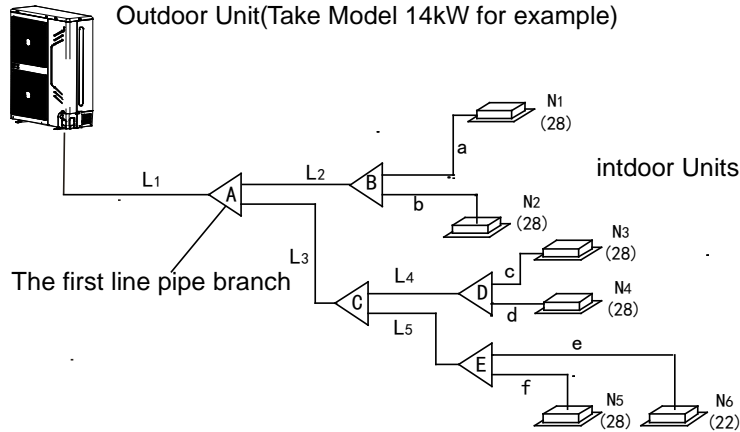


4.3 Refrigerant pipe selection

The first connecting method



The second connecting method



| Pipe definition | Pipe connecting position | Code |
|-------------------------------------|---|-------------|
| Main pipe | The pipe between outdoor units to the first branch of indoor unit. | L1 |
| The main pipes of indoor unit | The pipe after the first branch does not direct connect with the indoor unit. | L2~L5 |
| The branch pipes of indoor unit | The pipe after the branch connects with the indoor unit. | a,b,c,d,e,f |
| Indoor unit branch pipes components | The pipes connect with the main pipe, the branch pipe and the main pipe of indoor unit. | A,B,C,D,E |

Note: The distance between the first branch to the last indoor unit is more than 15m, choose the second connecting method. The pipe between the indoor units to the closest branch must be less than 15m.

Table 1: Indoor unit branch pipes selection (a~f)

A: Capacity of indoor units (kW)

| A (kW) | Gas Side(Φ) | Liquid Side(Φ) |
|--|-------------------|------------------|
| Wall mounted 2.2~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Wall mounted 5.6 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Four way cassette type 1.5~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Four way cassette type 5.6~8.0 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| One way cassette type 1.8~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| One way cassette type 5.6 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Low static pressure 1.8~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Low static pressure 5.6 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Thin duct type 7.1 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| A5 duct type 2.2~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| A5 duct type 5.6~8.0 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| A5 duct type 9.0~14.0 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Console Type 2.2~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Two-way Cassette Type 2.2~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Two-way Cassette Type 5.6~7.1 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Ceiling And Floor Type 3.6~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Ceiling And Floor Type 5.6~16.0 | 15.9(Flaring nut) | 9.5(Flaring nut) |
| Expose And Concealed Floor-standing type 2.2~4.5 | 12.7(Flaring nut) | 6.4(Flaring nut) |
| Expose And Concealed Floor-standing type 5.6~8.0 | 15.9(Flaring nut) | 9.5(Flaring nut) |

Note: The maximum length of the branch pipe should not be longer than 15m.

Table 2: Indoor unit main pipes selection (L1~L5)

| Total capacity of downstream indoor units (kW) | Main pipe size(mm) | | Branch Pipe |
|--|--------------------|-------------|-------------|
| | Air pipe | Liquid pipe | |
| A < 16.6 | Φ15.9 | Φ9.5 | FQZHN-01C |
| 16.6 ≤ A < 23 | Φ19.1 | Φ9.5 | FQZHN-01C |

Table 3: Main pipes selection (L1)

| Total capacity of outdoor units (kW) | When the equivalent length of all liquid and air pipes < 90m | | | When the equivalent length of all liquid and air pipes ≥ 90m | | |
|--------------------------------------|--|------------------|----------------------------|--|------------------|----------------------------|
| | gas side (mm) | liquid side (mm) | The first line branch pipe | gas side (mm) | liquid side (mm) | The first line branch pipe |
| A < 16 | Φ15.9 | Φ9.5 | FQZHN-01C | Φ19.1 | Φ9.5 | FQZHN-01C |
| 16 ≤ A < 23 | Φ19.1 | Φ9.5 | FQZHN-01C | Φ22.2 | Φ9.5 | FQZHN-02C |

Note: Main pipe L1 can be selected from table 2 and table 3, the larger size should be finally selected.

The straight distance between copper pipe turning and the contiguous branch pipe is at least 0.5m;

The straight distance between the contiguous branch pipes is at least 0.5m;

The straight distance which the branch pipes connected to the indoor unit is at least 0.5m;

Table4: Outdoor unit pipe connection

| MODEL | Piping side | Outdoor unit pipe connection (mm) | |
|-------|-------------|-----------------------------------|-------------|
| | | Gas Side | Liquid Side |
| 12kW | | Φ15.9 | Φ9.5 |
| 14kW | | Φ15.9 | Φ9.5 |
| 16kW | | Φ19.1 | Φ9.5 |
| 18kW | | Φ19.1 | Φ9.5 |

| Outdoor Unit (kW) | Maximum Quantity of Indoor unit | Total Capacity of Indoor unit |
|-------------------|---------------------------------|-------------------------------|
| 12 | 6 | 45%~130% |
| 14 | 6 | 45%~130% |
| 16 | 7 | 45%~130% |
| 18 | 9 | 45%~130% |

If ODU connect only one IDU, the capacity of IDU should be not more than ODU.

If ODU connect more than one IDU, the capacity of each IDU should be not more than 8kW for refrigerant uniform distribution.

When capacity of indoor unit greater than the sum of 100%, capacity of indoor unit will be attenuated.

When capacity of indoor unit greater than or equal to the sum of 120%, in order to ensure the effectiveness of machine, and then try to open the indoor units at different time.

When the capacity of indoor unit is greater than or equal to 16.8kW, the caliber of primary gas pipe should be augmented from Φ16 to Φ19.

4.4 Remove Dirt or Water in the Piping

Make sure there is no any dirt or water before connecting the piping to the outdoor units.

Wash the piping with high pressure nitrogen, never use refrigerant of outdoor unit.

4.5 Airtight Test

Charge pressured nitrogen after connecting indoor/outdoor unit piping to do airtight test.

Cautions:

1. Pressured nitrogen [4.3MPa (44kg/cm) for R410A] should be used in the airtight test.
2. Tighten high pressure/low pressure valves before applying pressured nitrogen.
3. Apply pressure from air vent mouth on the high pressure/low pressure valves.
4. The high pressure/low pressure valves are closed when applying pressured nitrogen.
5. The airtight test should never be use any oxygen, flammable gas or poisonous gas.

4.6 Vacuum

Using vacuum pump to do the vacuum and never using refrigerant to expel the air.

Vacuum should be done from both liquid side and gas side simultaneously.

4.7 Additional refrigerant charge

Calculate the added refrigerant according to the diameter and the length of the liquid side pipe of the outdoor unit/indoor unit connection.

When the outdoor unit connects one indoor unit:

| Liquid Side Piping Diameter | Refrigerant to be Added Perimeter Piping |
|-----------------------------|--|
| Φ6.4 | 0.023kg |
| Φ9.5 | 0.060kg |
| Φ12.7 | 0.120kg |
| Φ15.9 | 0.180kg |
| Φ19.1 | 0.270kg |
| Φ22.2 | 0.380kg |

Note: Additional refrigerant volume of divergent pipe is 0.1kg per item (Consider the liquid side of divergent pipe only).

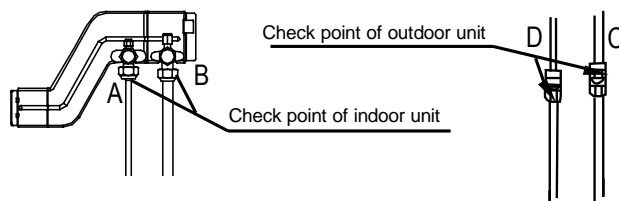
4.8 Leak detection

Use soap water or leak detector to check every joint whether leaks or not.

Note: A is low pressure side stop valve.

B is high pressure side stop valve.

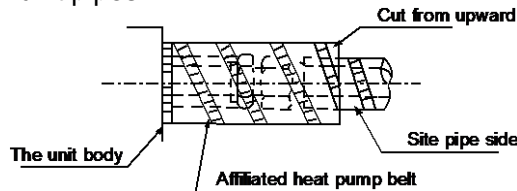
C and D are connecting pipes interface of indoor and outdoor units.



4.9 Heat Insulation

Do the heat insulation to the pipes of air side and liquid side separately. The temperature of the pipes of air side and liquid side when cooling, for avoiding condensation please do the heat insulation fully.

- The air side pipe should use closed cell foamed insulation material, which the fire-retardant is B1 grade and the heat resistance over 120°C.
- When the external diameter of copper pipe ≤ Φ12.7mm, the thickness of the insulating layer at least more than 15mm; When the external diameter of copper pipe ≥ Φ15.9mm, the thickness of the insulating layer at least more than 20mm.
- Please use attached heat-insulating materials to do the heat insulation without clearance for the connecting parts of the indoor unit pipes.



5. Electric Wiring Installations

5.1 Highlights of electrical installation

- 1) Please separately design the special power of indoor units and outdoor units.
- 2) The power adopts special circuit, and installs creepage protector and manual switch.
- 3) The indoor units' power, creepage protector and manual switch connecting to the same outdoor unit must be general. All indoor units must be the same circuit, and must simultaneously on or off; otherwise, system life will seriously effect, and appear the situation not to solve.
- 4) The communication line between indoor units and outdoor units please use 3 core shielded wiring, while don't use the multi core wiring without shielded affect, for the interference is reduced each other
- 5) Purchased wiring, parts and materials should be in compliance with the local and national regulations.
- 6) All field wiring construction should be finished by qualified electrician.
- 7) Air conditioning equipment should be grounded according to the relevant local and national electrical regulations.
- 8) Current leakage protection switch should be installed (select current leakage breaker in light of the 1.5-2 times of total loading rated current.)
- 9) When connecting wiring and wire holder, use cable clamp to fix and make sure no exposure.

- 10) Refrigerant piping system and wiring system of indoor and outdoor unit belongs to the different system.
- 11) Do not connect the power wire to the terminal of signal wire.
- 12) When power wire is parallel with signal wire, put wires to their own wire tube and remain proper gap (the current capacity of power wire is: 10A below 300mm, 50A below 500mm).
- 13) Voltage discrepancy of power wire terminal (side of power transformer) and end voltage (side of unit) should be less than 2%. If its length could not be shortened, thicken the power wire. Voltage discrepancy between phases shall not pass 2% rated value and Current discrepancy between highest and lowest phase should be less than 3% rated value.

5.2 Selection of wiring

- 1. The selection of wiring area shall in accordance with the requirements below:
 - 1) Voltage loss of wire shall meet the requirement of terminal voltage for normal operation and startup.
 - 2) The wiring current-carrying capacity determined by installed method and environment is not less than the largest current of unit.
 - 3) Conductor shall ensure the stability of movement and heating.
 - 4) The conductor’s smallest sectional area should satisfy the requirement of mechanical strength.
- When earth protection line (shortly called PE line) is made of material the same as phase line, the smallest sectional area of PE line should be in accordance with the regulation below:

| Sectional area of core to phase lines(mm ²) | Smallest sectional area of PE line(mm ²) |
|---|--|
| S ≤ 16 | S |
| 16 < S ≤ 35 | 16 |
| S > 35 | S/2 |

5.3 Distribution highlights of distribution wiring

- 1. When distributing wiring, select wirings with different colors for phase line, zero line and protection earth according to relevant regulations.
- 2. The power wire and control wire of concealed engineering is prohibited to bind together with refrigerant piping. It is necessary to pass through wire tube and be distributed separately, and the gap between control line and power wire should be 500mm at least.
- 3. When distributing wiring by passing through pipe, the following should be paid attention to:
 - 1) Metal wire tube could be used in indoor and outdoor, but it is not suitable to the place with acid – alkali corrosion.
 - 2) Plastic wire tube is generally used in indoor and place with corrosion, but it is not suitable to situation with mechanical damage
 - 3) The wiring through pipe shall not be in the form with ends jointing. If there must be joint, connection box should be installed at the corresponding place.
 - 4) The wiring with different voltage should not pass through the same wire tube.
 - 5) Total sectional area of wiring through wire tube shall not exceed 40% valid area of stuffing tube.
 - 6) Fixing point of wire tube support shall follow the standard below:

| Normal diameter of wire tube Mm | Largest gap between fixed points of wire tube | |
|------------------------------------|---|--------------|
| | Metal pipe | Plastic pipe |
| 15~20 | 1.5m | 1m |
| 25~32 | 2m | 1.5m |
| 40~50 | 2.5m | 2m |

5.4 Outdoor unit power wiring selection

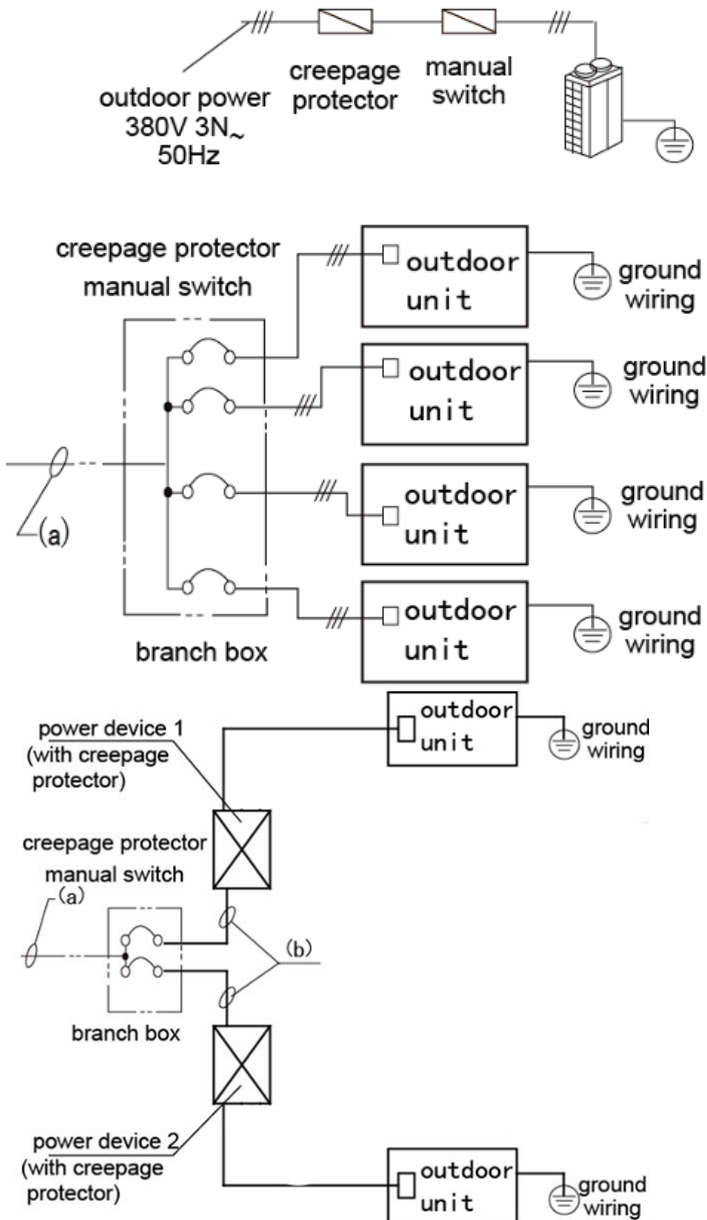
- 1) Separate Power Supply without power facility.

| Model | Power | The shortest wiring diameter (mm) | | | Manual switch (A) | | Creepage protector |
|--------|-------------------------------|-----------------------------------|-------|-----|-------------------|------|--------------------|
| | | ≤20m | ≤50m | GND | Capacity | Fuse | |
| 8KW | 220V,1N~50Hz/ 220V,1N,60Hz | 2*2.5 | 2*3.0 | 4.0 | 30 | 25A | <100mA,0.1sec |
| 10.5KW | | 2*2.5 | 2*3.0 | 4.0 | 30 | 25A | <100mA,0.1sec |
| 12KW | | 2*3.3 | 2*4.0 | 4.0 | 50 | 40A | <100mA,0.1sec |
| 14KW | | 2*3.3 | 2*4.0 | 4.0 | 50 | 40A | <100mA,0.1sec |
| 16KW | | 2*3.3 | 2*4.0 | 4.0 | 50 | 40A | <100mA,0.1sec |

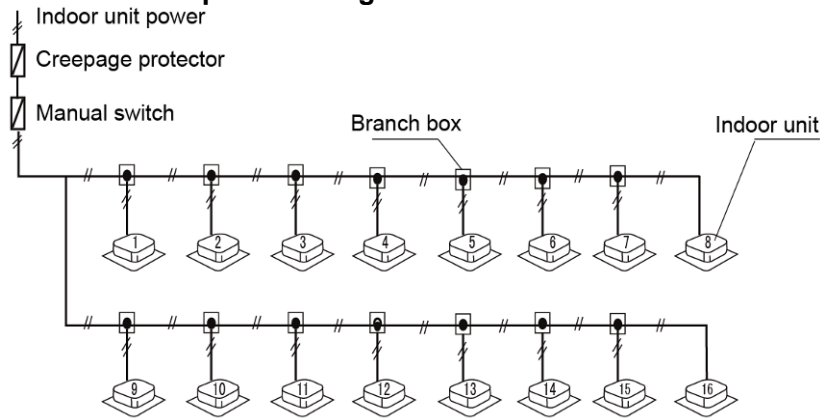
| Model | Power | The shortest wiring diameter (mm) | | | Manual switch (A) | | Creepage protector |
|-------|------------------|-----------------------------------|-------|-----|-------------------|------|--------------------|
| | | ≤20m | ≤50m | GND | Capacity | Fuse | |
| 12KW | 380~415V/3N/50Hz | 4*3.3 | 4*4.0 | 4.0 | 30 | 25A | <100mA,0.1sec |
| 14KW | 380~415V/3N/50Hz | 4*3.3 | 4*4.0 | 4.0 | 30 | 25A | <100mA,0.1sec |
| 16KW | 380~415V/3N/50Hz | 4*3.3 | 4*4.0 | 4.0 | 30 | 25A | <100mA,0.1sec |
| 18kW | 380~415V/3N/50Hz | 4*3.3 | 4*4.0 | 4.0 | 30 | 25A | <100mA,0.1sec |

Note: The length in the table equals the value of power cord connecting outdoor units, indicating the condition that the voltage dropping range is within 2%. If the length exceeds the above figure, please select the wire diameter according to relevant standard.

2) With power facilities.



5.5 Indoor unit power wiring selection



Note:

- 1) Set refrigerant piping system, signal wires between indoor unit, and that between outdoor units into one system.
- 2) Please do not put the signal wire and power wire in the same wire tube; keep distance between the two tubes. (Current capacity of power supply: less than 10A--300mm, less than 50A--500mm.)
- 3) Make sure to set address of outdoor unit in case of parallel multi-outdoor units.

CAUTION

- Please select power source for indoor unit and outdoor unit respectively
- The power supply has specified branch circuit with leakage protector and manual switch.

Indoor unit connect with power supply which is 220-240V~50Hz. Outdoor unit connect with power supply which is 380-415V~50Hz (Please set all the indoor unit power supply of one system into the same circuit. It should turn on or shut down the unit at the same time, otherwise, the service life would affect seriously, even the unit may not turn on.)

- Please put the connective wire system between indoor unit and outdoor unit with the refrigerant system together.
- Use 3-core screened wire as indoor and outdoor control wire.
- The installation should comply with relevant national electric standard.
- Power wiring should be engaged by professional electrician.

6. Outdoor Unit Wiring

6.1 The Specification of Power

Table 6-1

| Capacity | | 12kW-16kW | 18kW |
|--|--------------------------------|-----------------------------|-----------------------------|
| Outdoor Unit power | Phase | 3 phase | 3 phase |
| | Voltage and Frequency | 380-415V~ 50Hz | 380-415V~ 50Hz |
| | Power Wiring(mm ²) | 5-core X2.5 | 5-core X2.5 |
| Circuit Breaker/Fuse (A) | | 25 | 32 |
| Indoor unit/Outdoor unit Signal wire (Weak electric signal) (mm ²) | | 3-core shielded wire 3X0.75 | 3-core shielded wire 3X0.75 |

CAUTION

A disconnection device having an air gap contact separation in all active conductors should be incorporated in the fixed wiring according to the National Wiring Regulation.

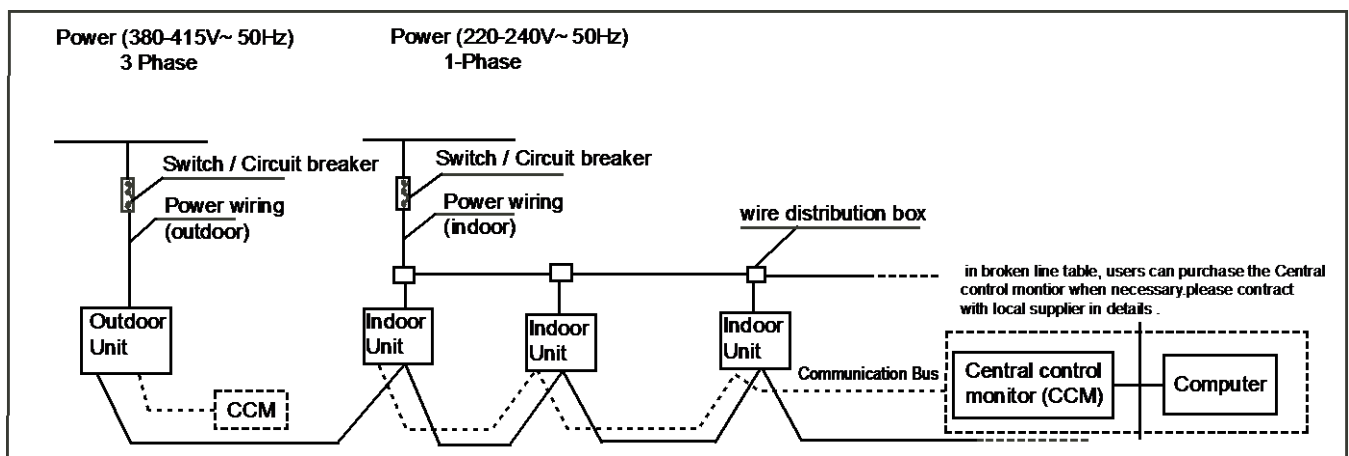


Fig.6-1

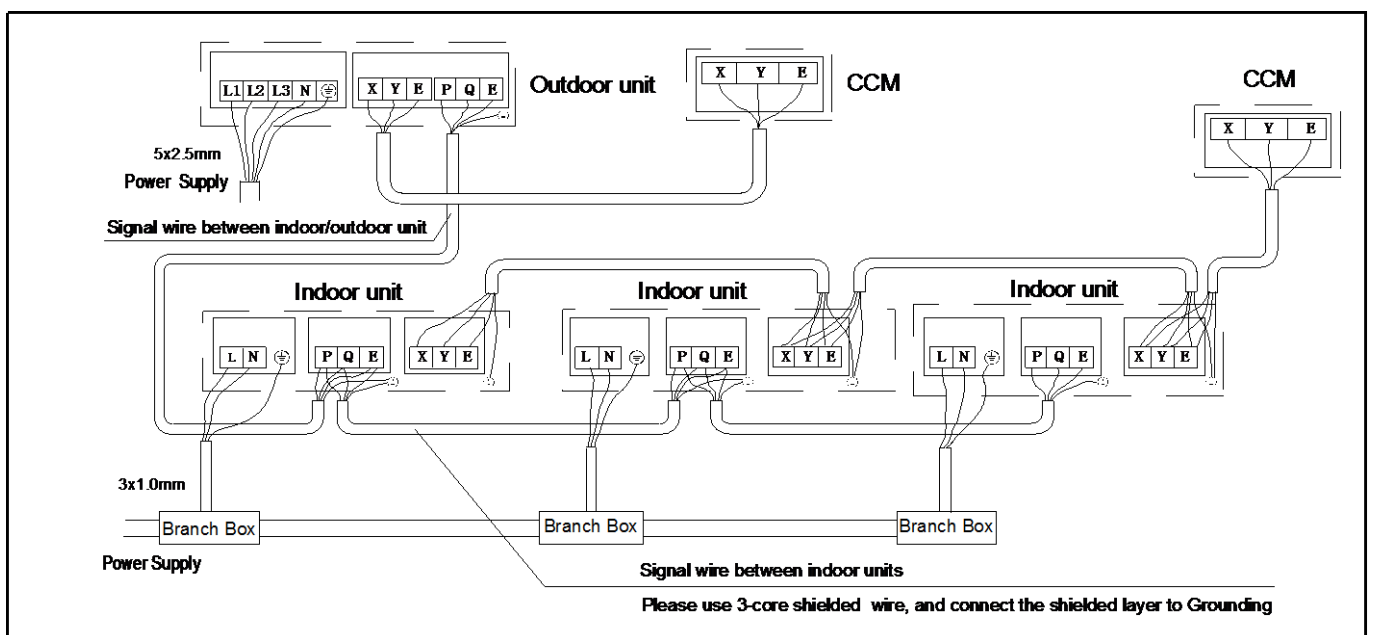


Fig.6-2

CAUTION

The reserved function is indicated in broken line table, users can select it when necessary.

Indoor/Outdoor Unit Signal Wire

Connect the wire according to their numbers.
Wrong connection may cause malfunction.

Wiring Connection

Seal the wiring connection with the insulation material, or the condensing dew will be caused.

NOTE

The air-conditioners can connect with Central Control Monitor (CCM). Before operation, please wiring correctly and set system the air-conditioners can connect with Central Control Monitor (CCM). Before operation, please wiring correctly and set system

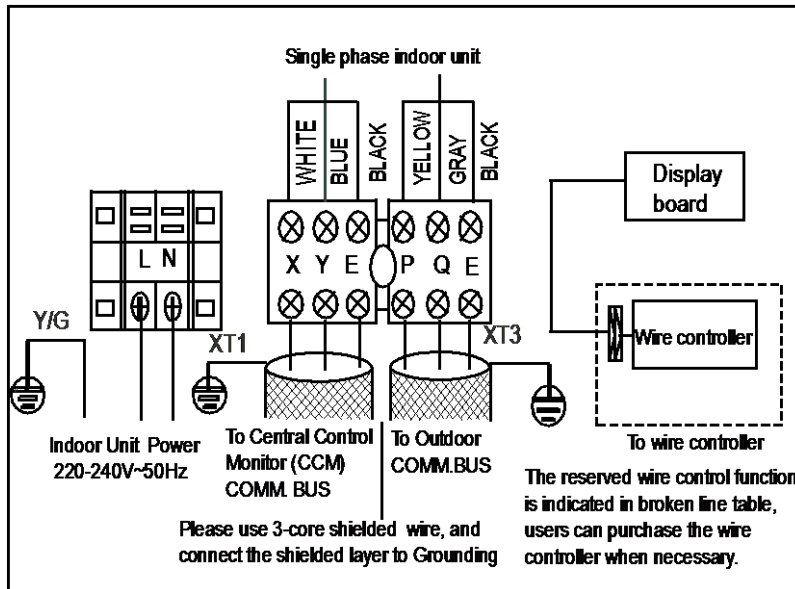


Fig.6-3

6.2 Indoor Unit Wiring

Power Supply

Table 6-2

| | | |
|---|-------------------------------------|-----------------------------|
| Capacity (kW) | | 1.5~16 |
| indoor Unit power | Phase | 1- phase |
| | Frequency and Voltage | 220-240V~ 50Hz |
| | Power Wiring(mm²) | 3-corex1.0 |
| Circuit Breaker (A) | | 16 |
| Indoor unit/Outdoor unit Signal wire (Weak electric signal) (mm²) | | 3-core shielded wire 3X0.75 |

1.Signal wire is 3-core, polarized wire. Use 3-core shield wire to prevent interference. The grounding method now is grounding the closed end of the shield wire and opening (insulating) at the end. Shield is to be grounded.

2.The control between outdoor unit and indoor unit is BUS type. An address is set on field during the installation.

CAUTION

The wire diameter and continuous length are under the condition that the voltage vibration is within 2%. If the continuous length is exceed showing value, choose the wire diameter follow relevant regulation.

Indoor unit power supply wiring

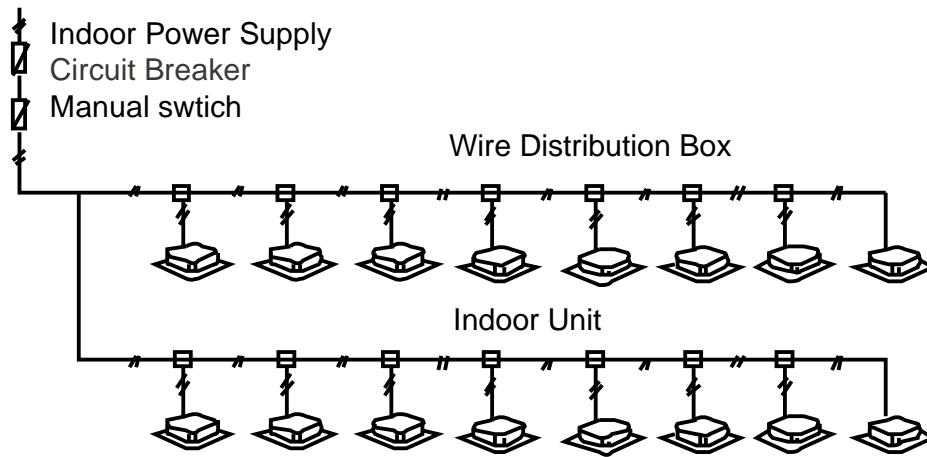


Fig.6-4

CAUTION

1. Refrigerant piping system, indoor unit-indoor unit connection signal wires and indoor unit-outdoor unit connection signal wire are in the same system.
2. When power cord is parallel with signal wire, please put them into separate wire distribution pipes, and leave a proper distance. (Reference distance: It is 300mm when current capacity of power cord is less than 10A, or 500mm when 50A).
Please use shield wire as indoor unit/outdoor unit signal wire.

Indoor/Outdoor unit signal wire wiring

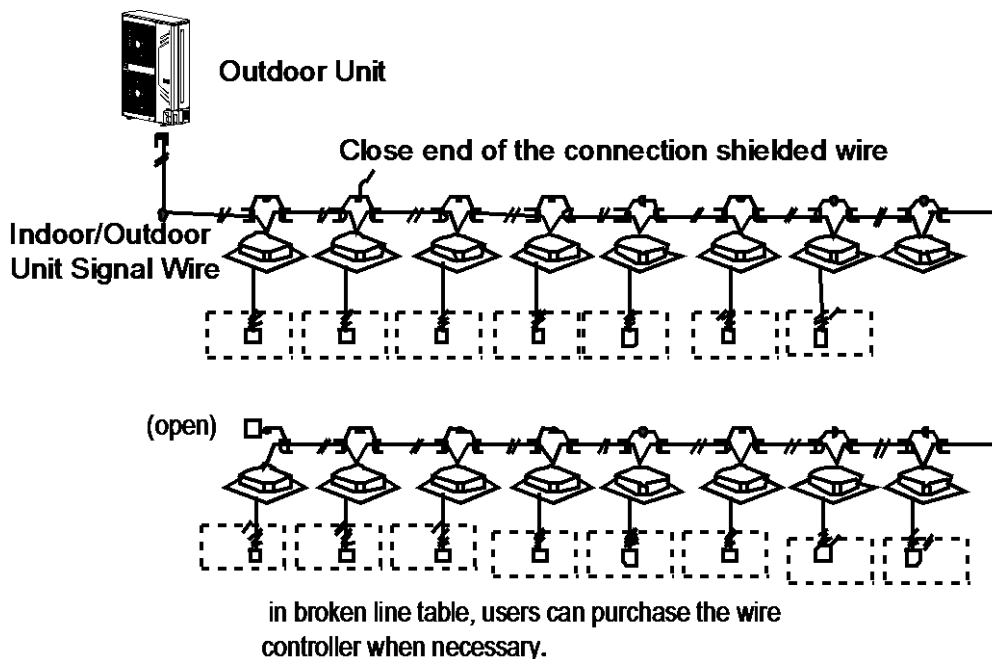


Fig.6-5

7. Test Running

Operate according to “key points for test running” on the electric control box cover.

CAUTION

- Test running cannot start until the outdoor unit has been connected to the power for 12hours.
- Test running cannot start until all the valves are affirmed open.
- Never make the test running if the machine has malfunction.
- Make sure the communication between the indoor unit and outdoor unit is normal before test running.

8. Precautions on Refrigerant Leakage

This air conditioner (A/C) adopts innocuous and nonflammable refrigerant. The locating room of the A/C should be big enough that any refrigerant leakage is unable to reach critical thickness. So certain essential action can be taken on time.

Refrigerant critical thickness: $0.44[\text{kg}/\text{m}^3]$ for R410A.

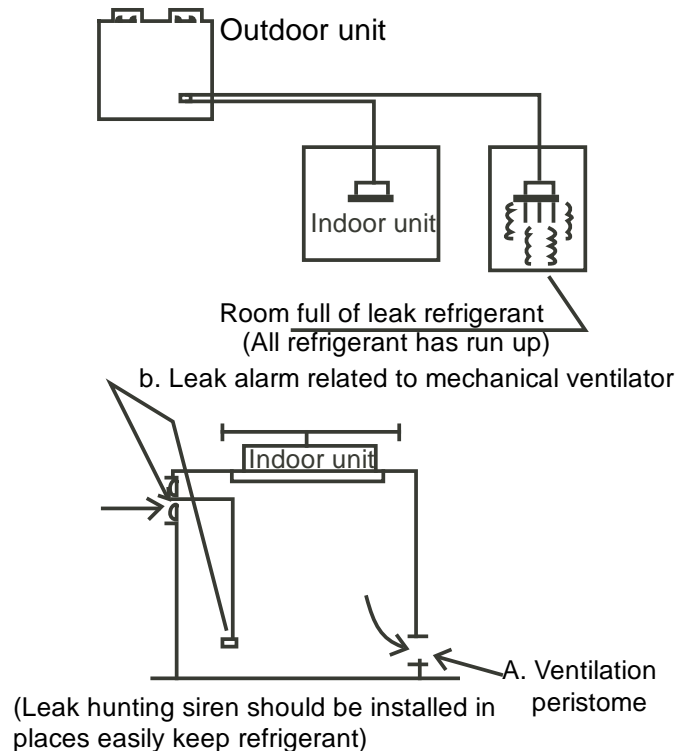
Confirm the critical thickness through follow steps, and take necessary actions.

1. Calculate the sum of the charge volume (A[kg]) Total Refrigerant volume of 10HP=factory refrigerant volume + super addition
2. Calculate the indoor cubage (B[m³]) (as the minimum cubage.
3. Calculate the refrigerant thickness

$$\frac{A[\text{kg}]}{B[\text{m}^3]} \leq \text{critical thickness}$$

Counter measure against over high thickness

1. Install mechanical ventilator to reduce the refrigerant thickness under critical level. (ventilate regularly)
2. Install leak alarm facility related to mechanical ventilator if you cannot regularly ventilate.



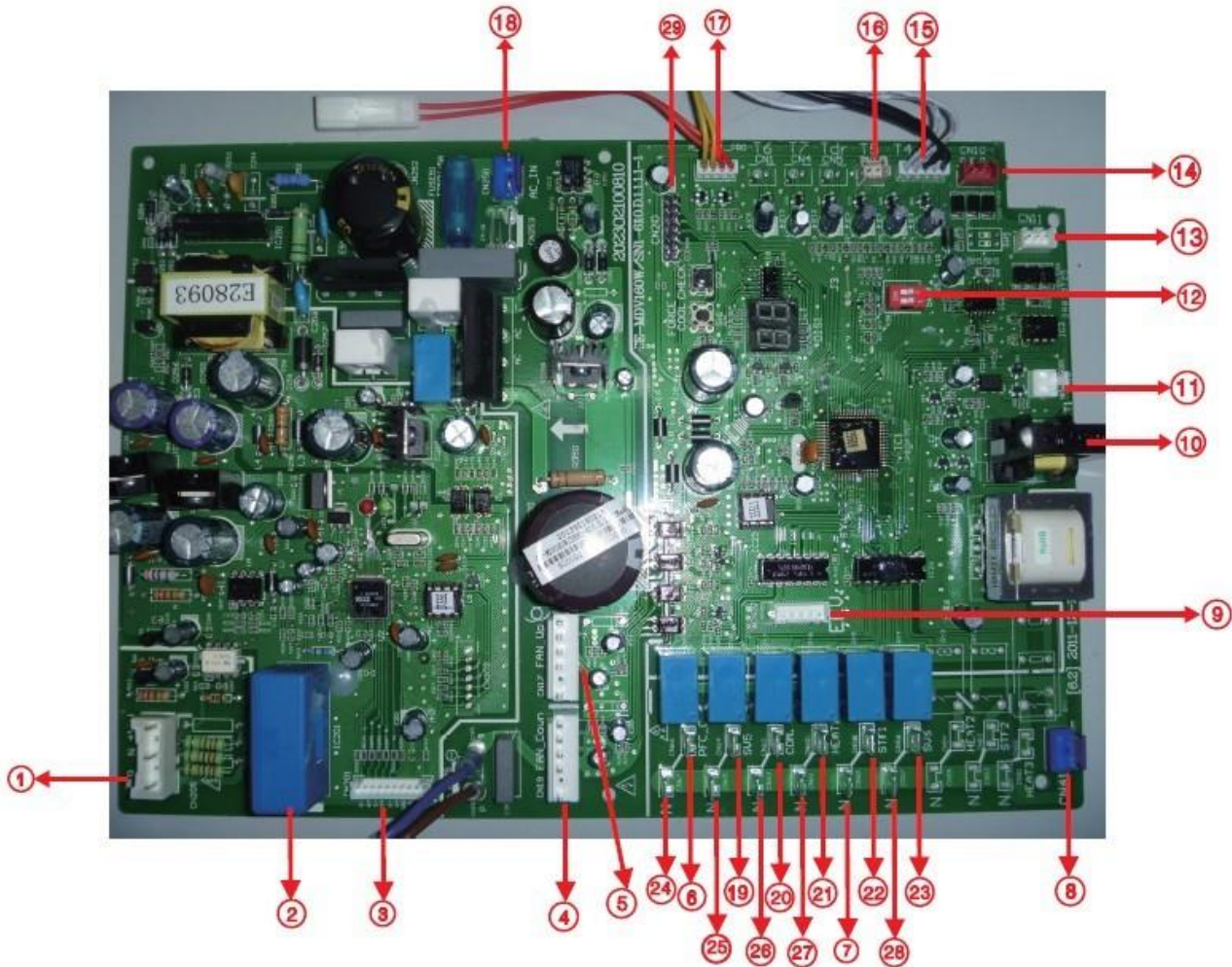
NOTE

Please press "Force Cool" button to carry out refrigerant recycling process. Keep the low pressure above 0.2MPa; otherwise compressor may be burnt out.

Part 4 Troubleshooting

- 1. PCB ports instructions71
- 2. PCB parts instructions72
- 3. Error code table.....75
- 4. Troubleshooting76

1. PCB ports instructions

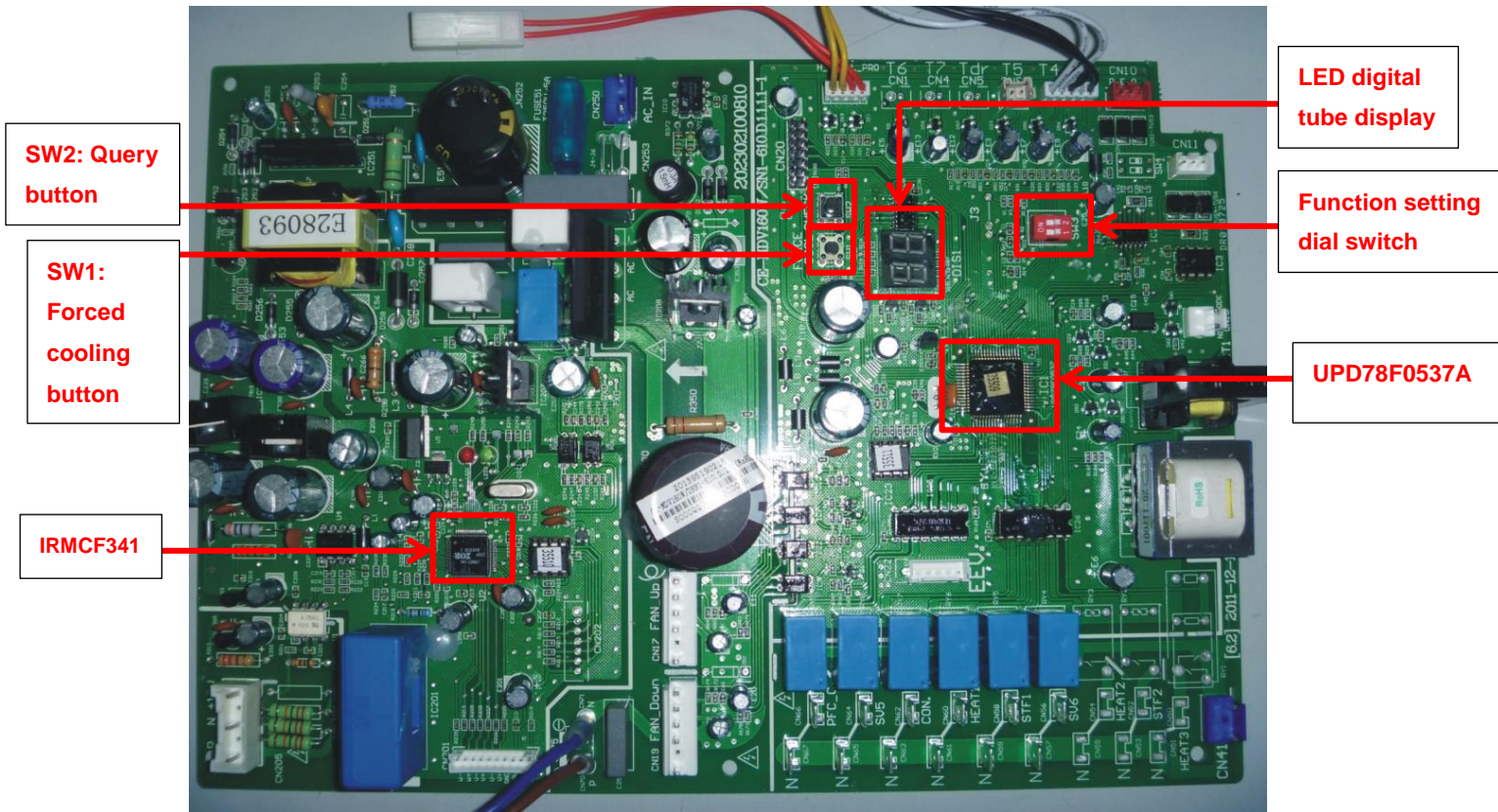


PCB ports instruction

| No. | Content | Port voltage |
|---------|---|---------------------------|
| 1 | Inspection port for inverter module voltage | DC 540V,DC 15V |
| 2 | Mutual inductor for compressor DC current | In dynamic change |
| 3CN201 | Activation port of inverter module | The left the first pin:DC |
| 4CN19 | Port of DC fan 1 | The left the first pin:DC |
| 5CN17 | Port of DC fan 2 | The left the first pin:DC |
| 6CN66 | Reserved | --- |
| 7CN59 | Loading output terminal(4-way valve control) | AC 220V |
| 8CN41 | Power supply for relay | AC 220V |
| 9CN22 | EXV activation port | The left the first pin:DC |
| 10 | Input current of the mutual inductor at the inverter compressor | In dynamic change |
| 11CN15 | Reserve | --- |
| 12 | SW7(SW3) net address code automatically | --- |
| 13CN11 | Internet group control of indoor units | DC 2.5-2.7V |
| 14CN10 | Communication between indoor and outdoor units | DC 2.5-2.7V |
| 15CN9 | Inspection port for outdoor ambient temp. and condenser coil temp. | DC 0-5V |
| 16CN8 | Air discharge temp. sensed port at the compressor | DC 0-5V |
| 17CN6 | Input port for system pressure inspection | DC 0-5V |
| 18CN250 | Input port for power supply of the main control board | AC 220V |
| 19CN64 | Loading output terminal(16-18kw:solenoid valve SV5 control; Reserved for 12-14kw) | AC 220V |
| 20CN62 | Loading output terminal (Delay control of DC power) | AC 220V |
| 21CN60 | Loading output terminal(crankcase heating control) | AC 220V |
| 22CN58 | Loading output terminal(4-way valve control) | AC 220V |
| 23CN56 | Loading output terminal(solenoid valve SV6 control) | AC 220V |
| 24CN67 | Reserved | ---- |
| 25CN65 | Loading output terminal(16-18kw:solenoid valve SV5 control; Reserved for 12-14kw) | AC 220V |

| | | |
|--------|---|---------|
| 26CN63 | Loading output terminal (Delay control of DC power) | AC 220V |
| 27CN61 | Loading output terminal(crankcase heating control) | AC 220V |
| 28CN57 | Loading output terminal(solenoid valve SV6 control) | AC 220V |
| 29CN20 | Program terminal connected to the computer | --- |

2. PCB parts instructions



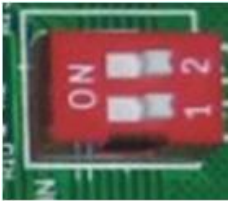
2.1 SW2 query instructions

| No. | Content | Note |
|-----|--|--|
| 1 | Normal display | ---- |
| 2 | Running mode | 0-Standby;2-Cooling;3-Heating;4-Forced Cooling |
| 3 | Fan speed | 0-OFF |
| 4 | Capacity requirement of indoor unit | ---- |
| 5 | Capacity requirement of revised outdoor unit | ---- |
| 6 | T3 pipe temperature | Actual value |
| 7 | T4 environment temperature | Actual value |
| 8 | T5 discharge temperature | If more than one hundred, only display hundred s' and tens digits. |
| 9 | Reserved | ---- |
| 10 | Opening degree of EXV | Actual value=Display value×8 |
| 11 | Actual current value | Actual value |
| 12 | AD actual value of voltage | Actual value |
| 13 | T2 average temperature | Actual value |
| 14 | Quantity of indoor units | Actual value |
| 15 | Running quantity of indoor units | Actual value |
| 16 | 12~16kW : the last fault or protection code (if there is no fault or protection code it will be display "nn") 18kW : 18 | ---- |
| 17 | 12~16kW : "-" displays 18kW : Priority mode(Reserved) | Query for 12~16kW ends. "0" displays on 18kW.. |
| 18 | 18kW :Version of the program | Only for 18kW |
| 19 | 18kW :The last fault or protection code (if there is no fault or protection code it will be display "nn") | Only for 18kW |
| 20 | 18kW :Display "--" | Only for 18kW |

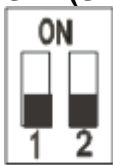
Remark:

- 1) Normal display: Display frequency of compressor when capacity needing.
- 2) Running mode: 0—Standby; 2—COOLING; 3—HEATING; 4—FORCED COOLING.
- 3) Fan speed: 0—OFF; 1~7—Speed increasing in turn.
- 4) SW1: Forced cooling button.
SW2: Query button.

2.3 Function setting dial switches instructions



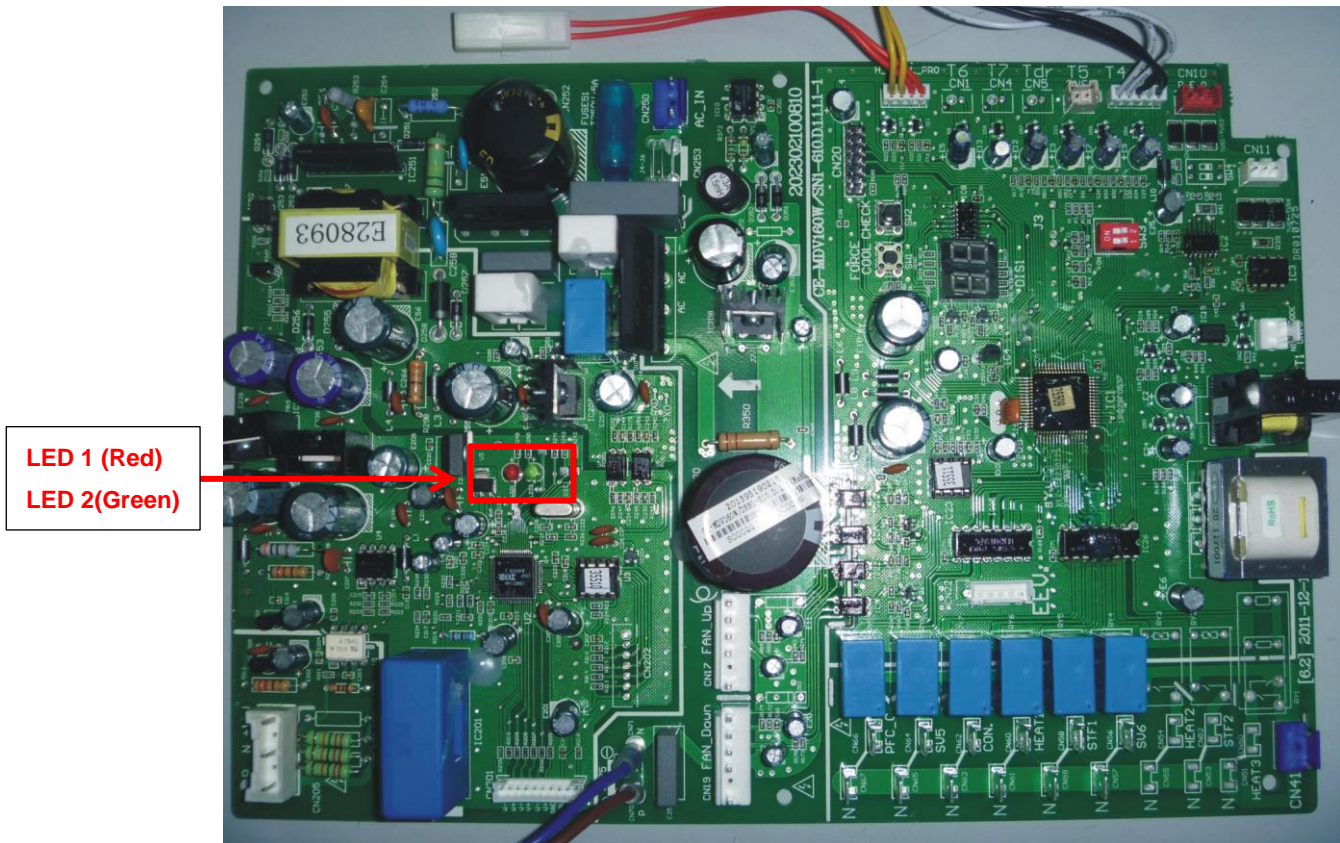
SW7(SW3) definition: Auto Addressing Dial



SW7

| SW7(SW3) | | |
|----------|-----|--|
| 1 | ON | Obtain network address automatically |
| | OFF | Obtain network address manually |
| 2 | ON | Revocation indoor unit network address |
| | OFF | / |

2.4 LED on PCB instructions



LED 1 (Red)
LED 2(Green)

LED1: Malfunction indicator lamp of inverter module. The lamp will be off if the system running is normal. And it will be on if the inverter module is faulty and the error code will display on digital tube.

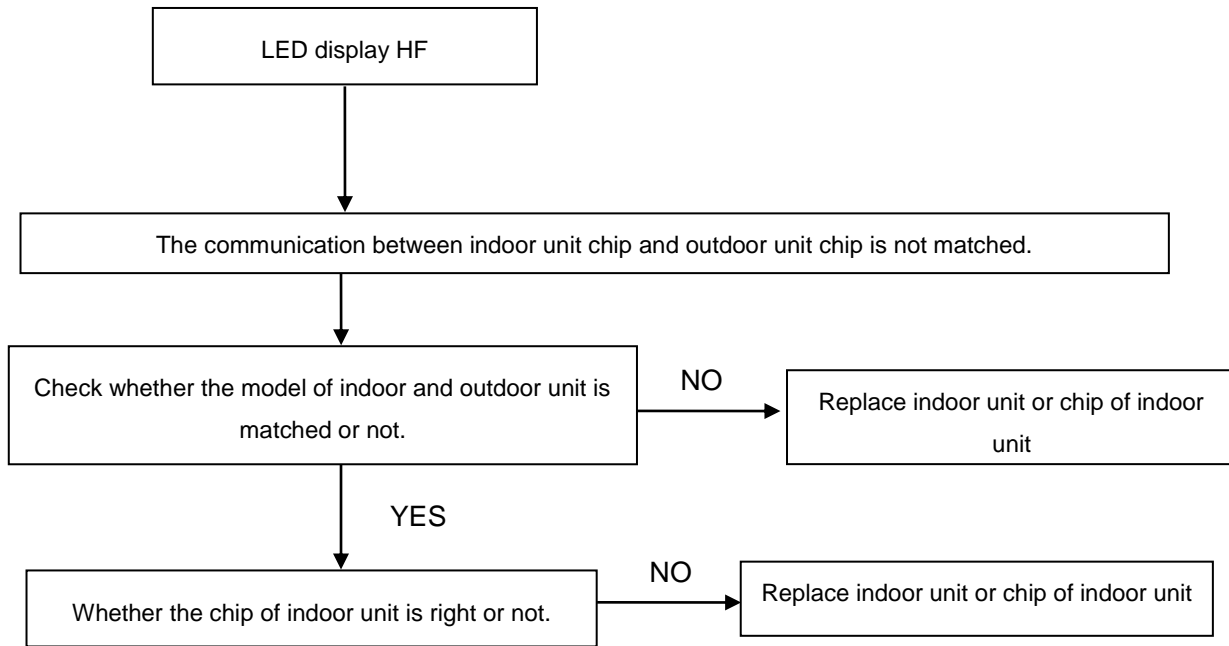
LED2: Running indicator lamp of inverter module. The lamp will be on if the system running is normal.

3. Error code table

| Error code | Content | Note |
|------------|---|----------------------|
| HF | Not matched with M_HOME indoor unit | Only display on 18kW |
| E0 | EEPROM malfunction | For 12~16kW model |
| E9 | | For 18kW model |
| E2 | Communication malfunction between indoor/outdoor units | All the unit |
| E3 | Communication malfunction in outdoor PCB | For 12~16kW model |
| H0 | | For 18kW model |
| E4 | T3&T4 temperature sensor malfunction | All the unit |
| E5 | Outdoor unit voltage protection | All the unit |
| E6 | DC fan error | All the unit |
| E7 | Discharge Sensor Malfunction | For 12~16kW model |
| EA | | For 18kW model |
| E8 | There are two times E6 fault in 10 minutes (recovery after power off) | For 12~16kW model |
| Eb | | For 18kW model |
| P0 | Reserved | ----- |
| P1 | High pressure protection | All the unit |
| P2 | Low pressure protection | All the unit |
| P3 | Compressor current protection | All the unit |
| P4 | Compressor discharge temperature protection | All the unit |
| P5 | Condenser high temperature protection | All the unit |
| P6 | IPM modules protection | All the unit |
| P7 | Evaporator high temperature protection | For 12~16kW model |
| PE | | For 18kW model |
| P8 | Typhoon protection | All the unit |
| L0 | Module malfunction | For 18kW model |
| L1 | DC generatrix low voltage protection | For 18kW model |
| L2 | DC generatrix high voltage protection | For 18kW model |
| L3 | Reserved | For 18kW model |
| L4 | MCE malfunction/simultaneously/cycle loop | For 18kW model |
| L5 | Zero speed protection | For 18kW model |
| L6 | Reserved | ---- |
| L7 | Wrong phase protection | For 18kW model |
| L8 | Speed difference>15Hz protection between the front and the back clock | For 18kW model |
| L9 | Speed difference>15Hz protection between the real and the setting speed | For 18kW model |

4. Troubleshooting

4.1 HF: not matched with M_Home indoor unit. (Only display on 18kW model)

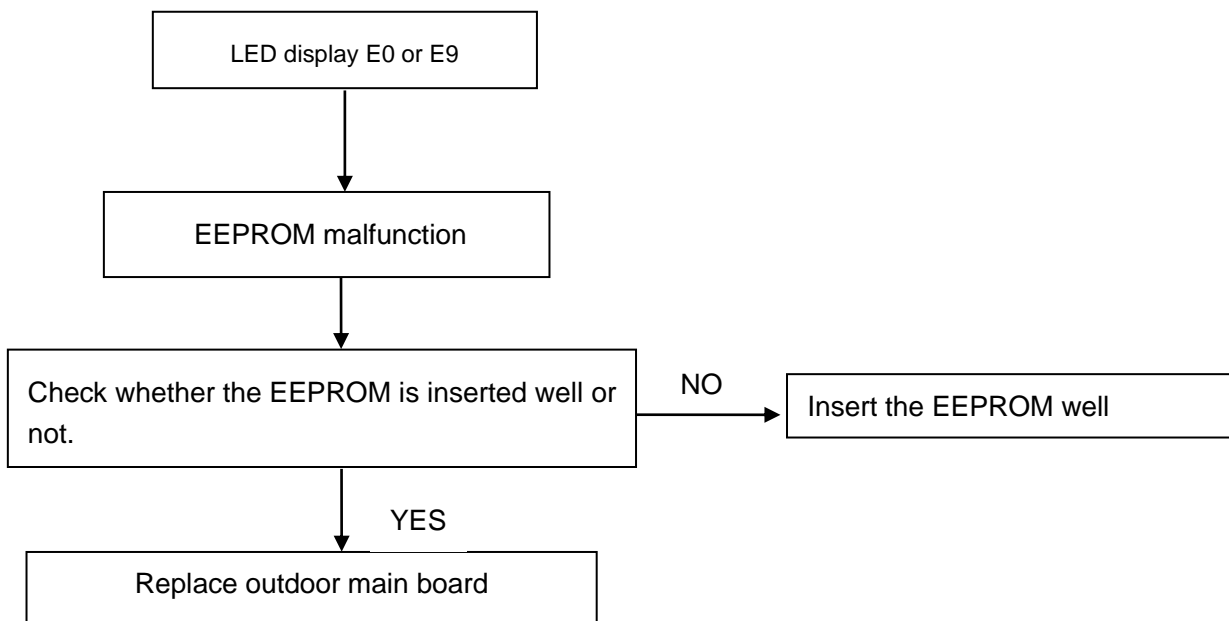


*Outdoor unit chip refers to 0537 chip.

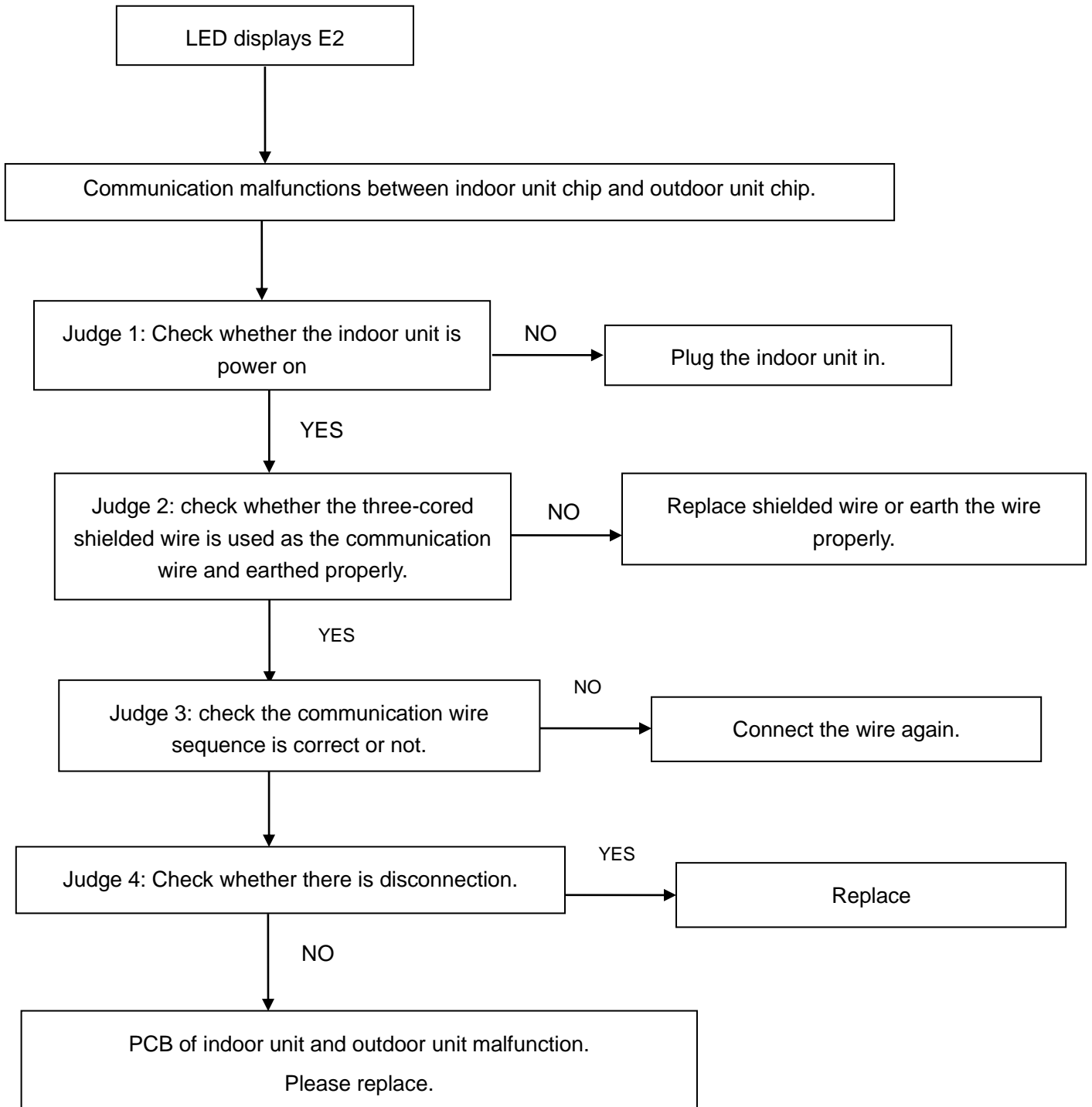
4.2 E0/E9: EEPROM malfunction (E0 display on 12~16kW model;E9 display on 18kW model)

The malfunction may be caused by two reasons:

- 1) The EEPROM is not inserted well;
- 2) Outdoor main board is broken.

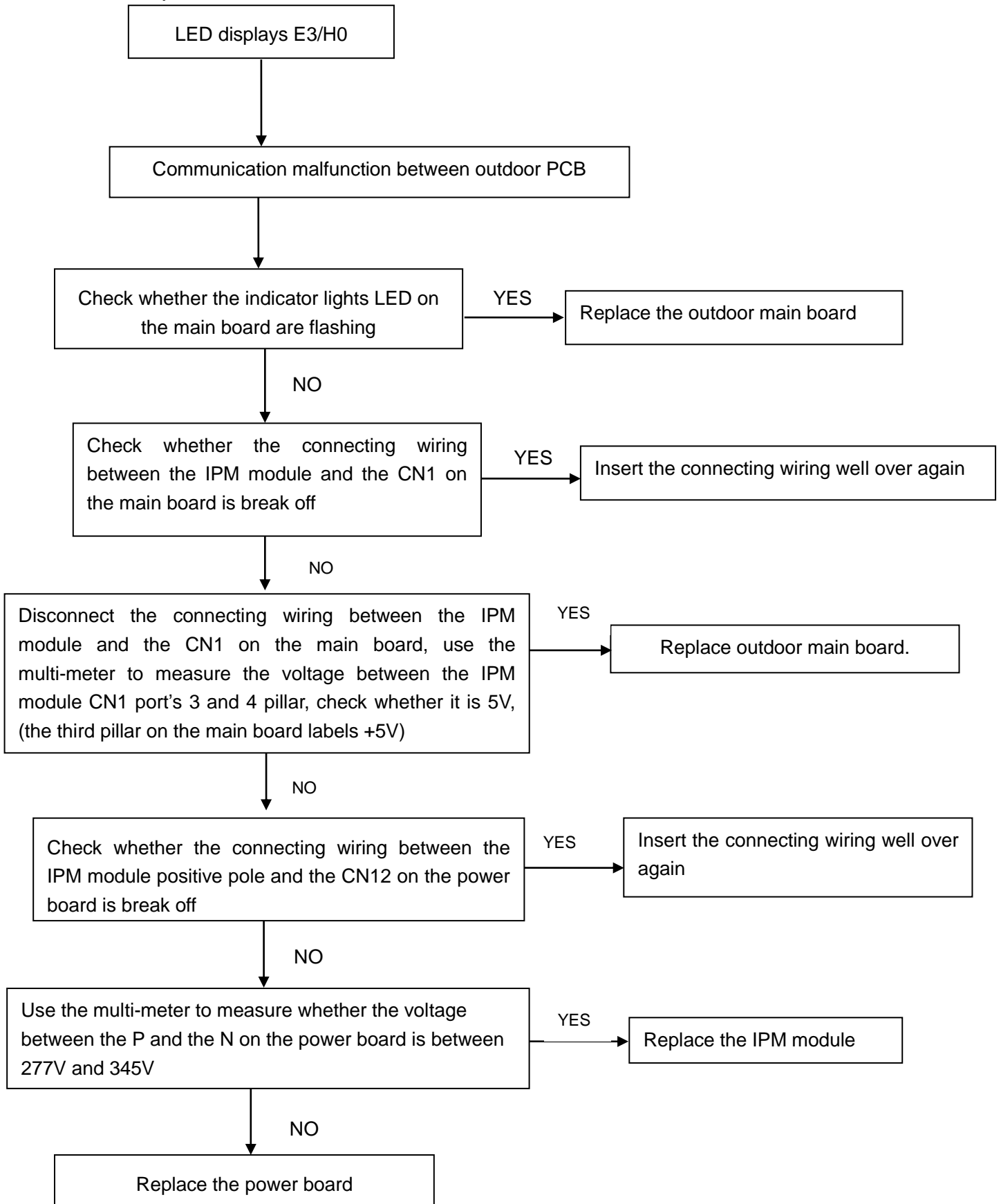


4.3 E2: Communication malfunctions between indoor unit chip and outdoor unit chip.

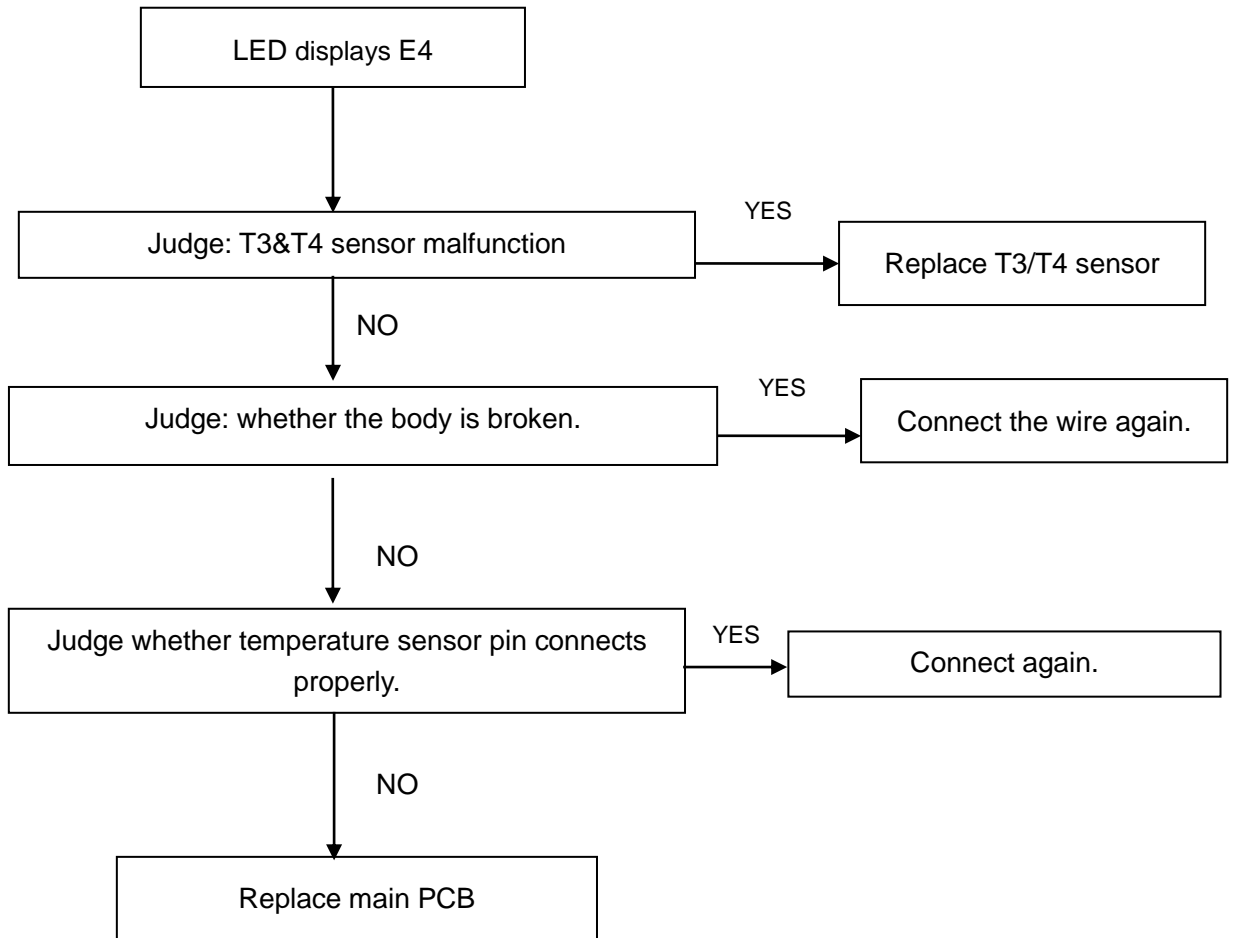


*Outdoor unit chip refers to 0537 chip.

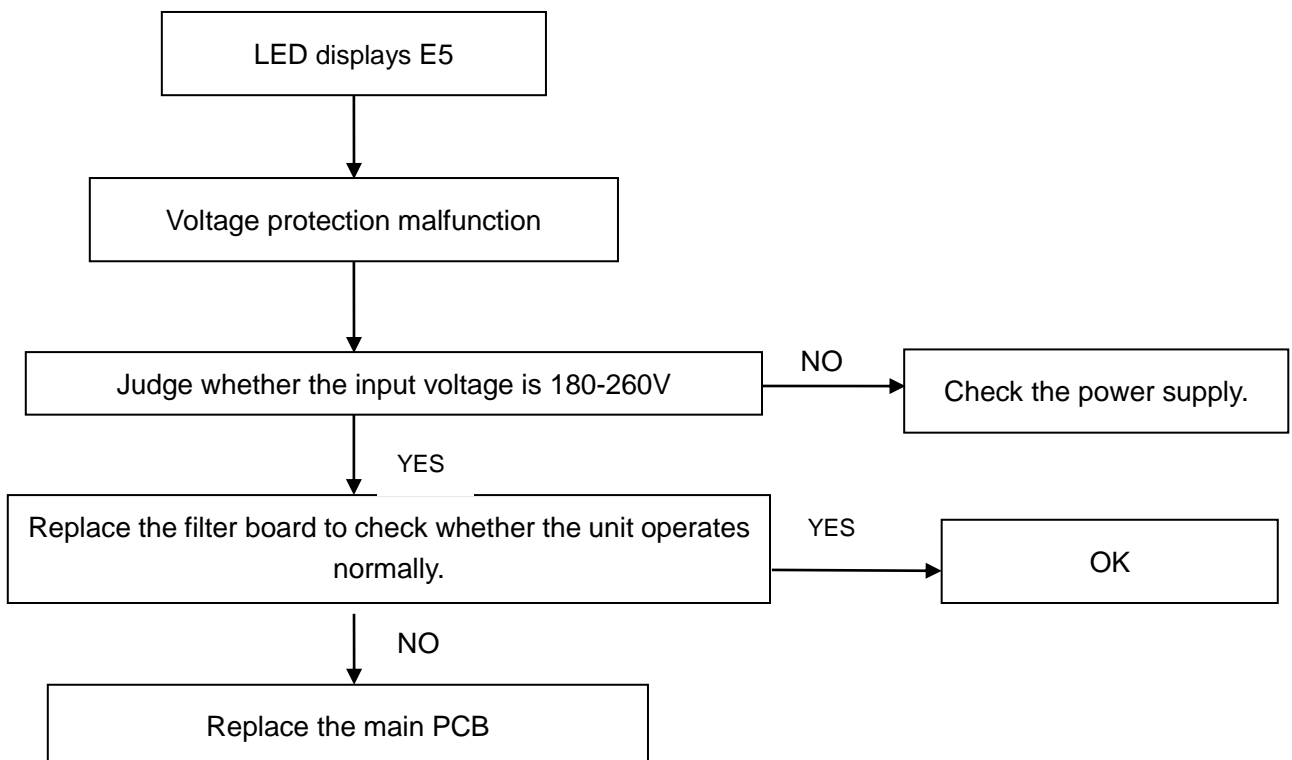
4.4 E3/H0: Communication malfunction in outdoor PCB (E3 display on 12~16kW; H0 display on 18kW)



4.5 E4: T3&T4 sensor malfunction



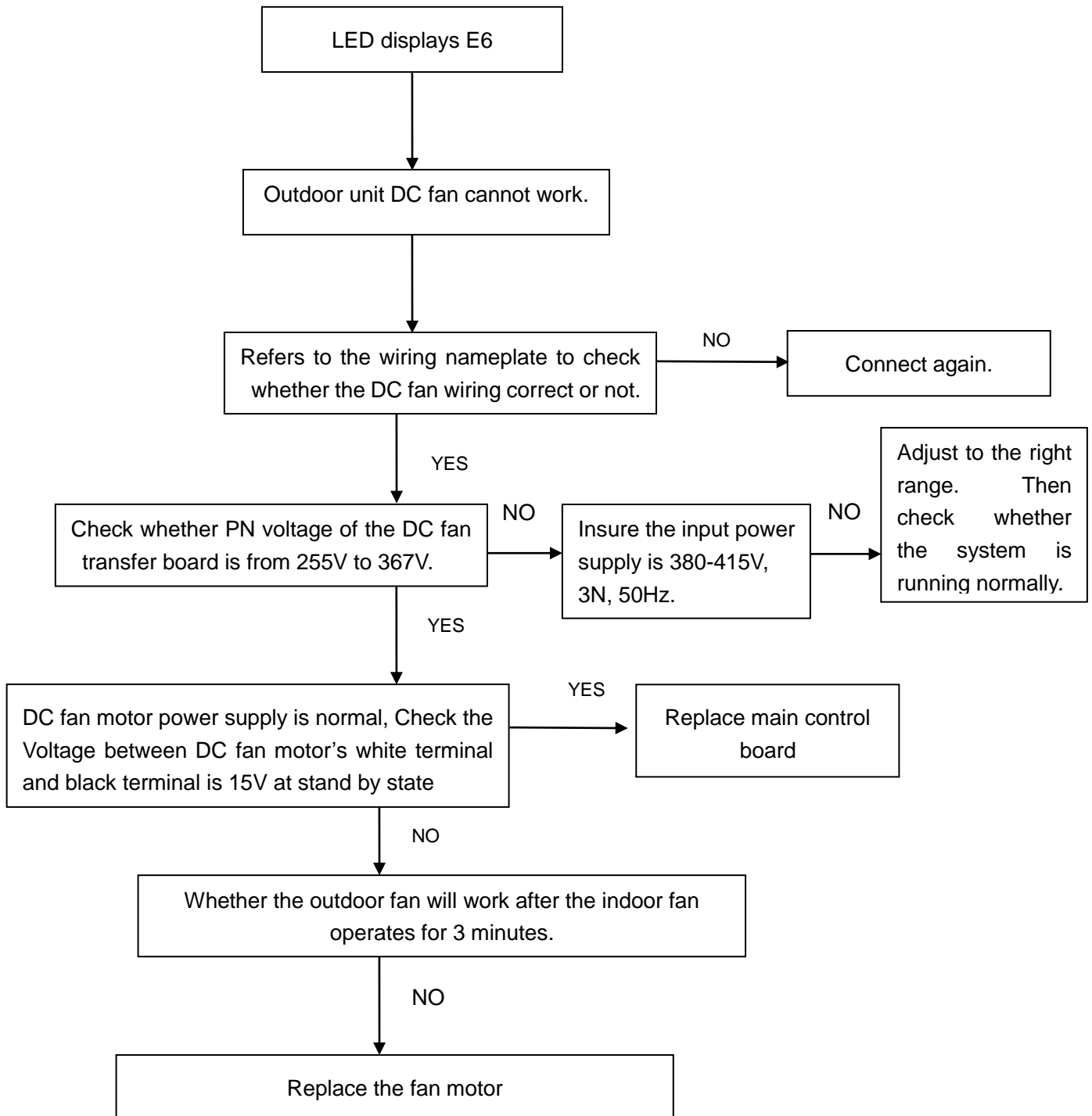
4.6 E5: Voltage protection malfunction



4.7 E6:DC Fan Error

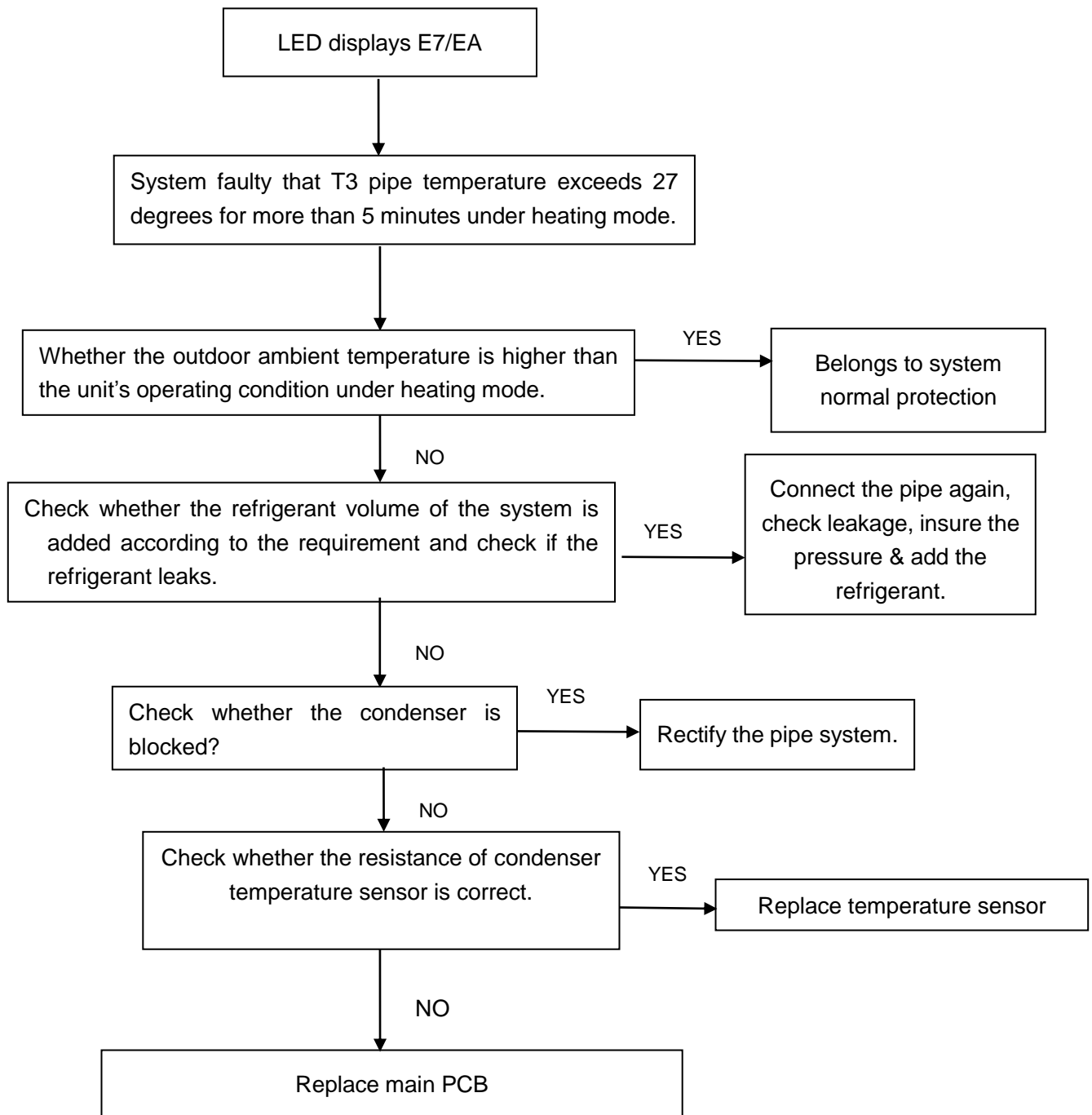
The error may be caused by two reasons:

- 1). The wiring connection is wrong;
- 2). Power supply voltage is not normal.



4.8 E7/EA: Discharge Sensor Malfunction (E7 display on 12~16kW; EA display on 18kW)

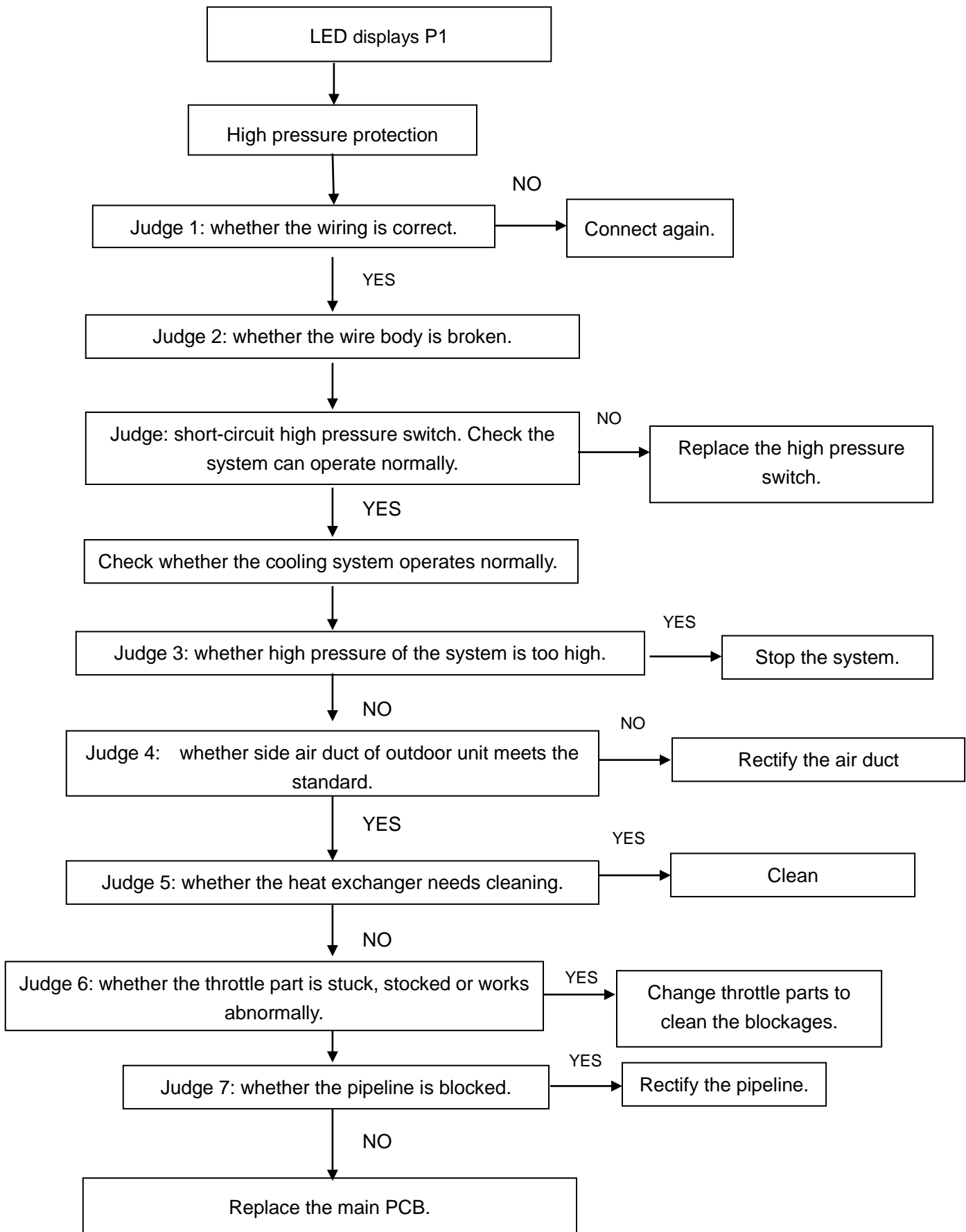
T3 pipe temperature exceeds 27 degrees for more than 5 minutes under heating mode.



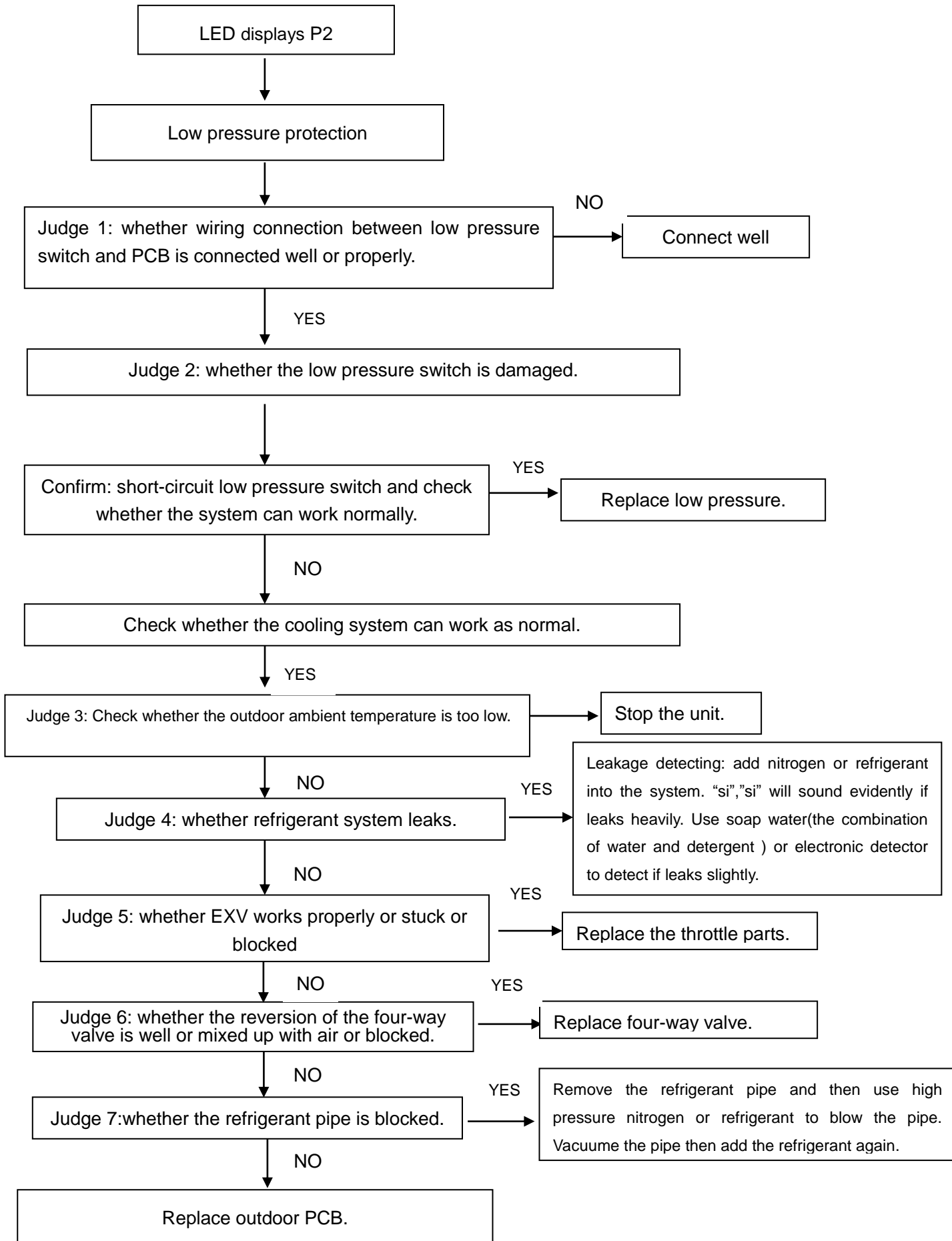
4.9 E8/Eb malfunction (E8 display on 12~16kW; Eb display on 18kW)

E8/Eb will display if E6 faulty happens twice in 10 minutes continuously. Malfunction checking method is the same as E7/EA (refers to the above).

4.10 P1 malfunction: High pressure protection

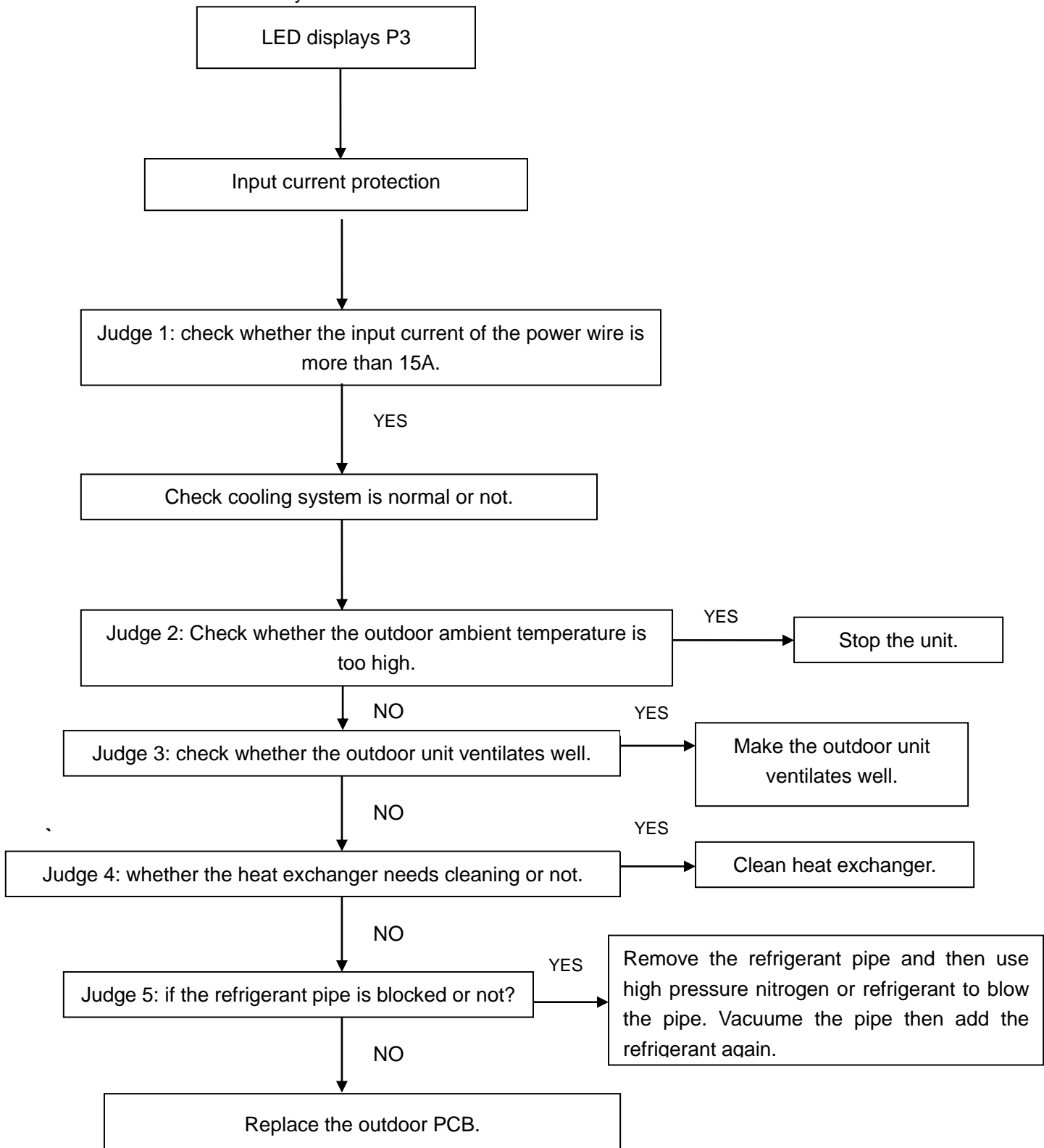


4.12 P2: Low pressure protection



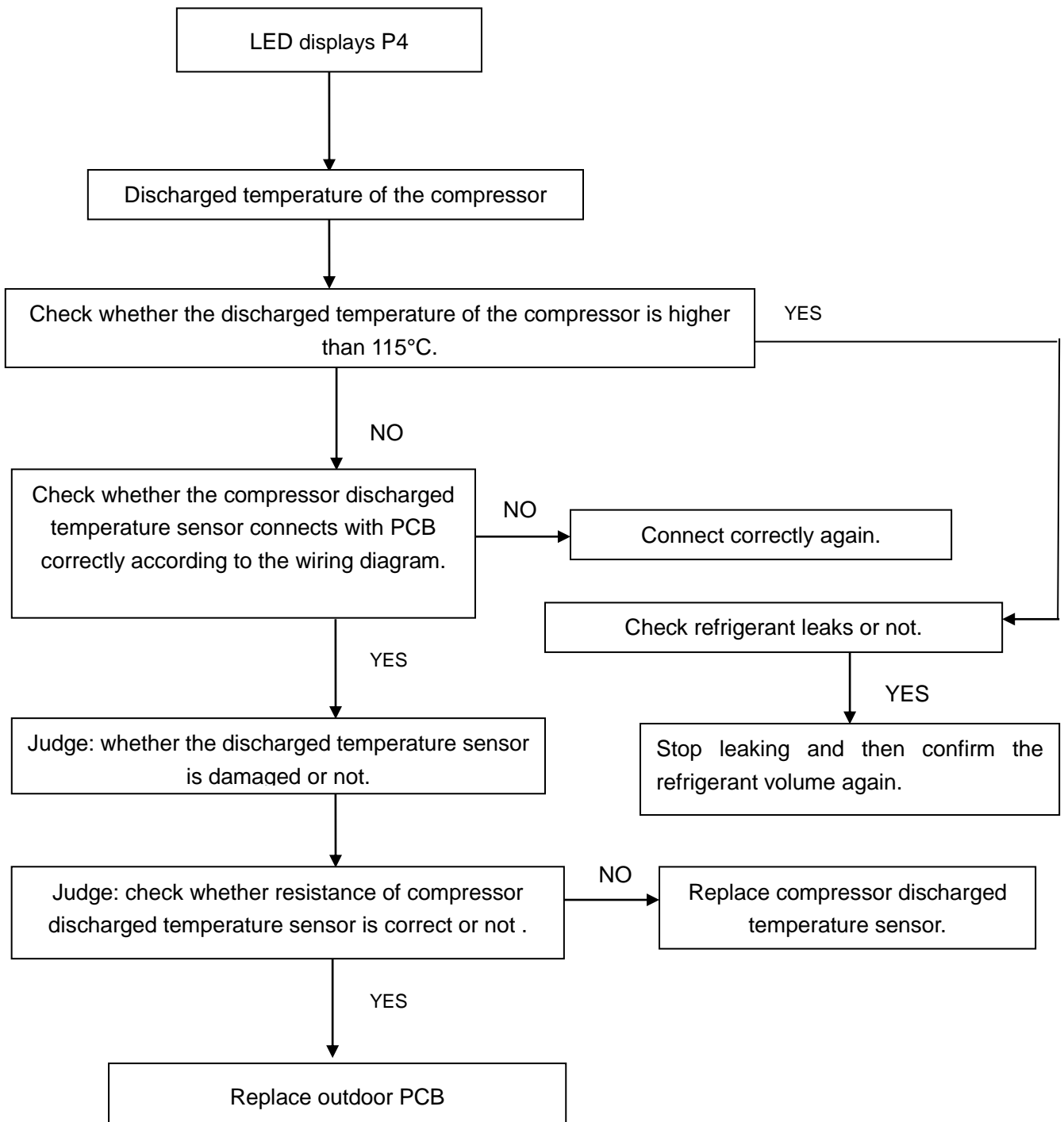
4.13 P3: Compressor current protection

It will protect when input current is more than 15A. It will recover when input current is less than 15A.
It will recover automatically.



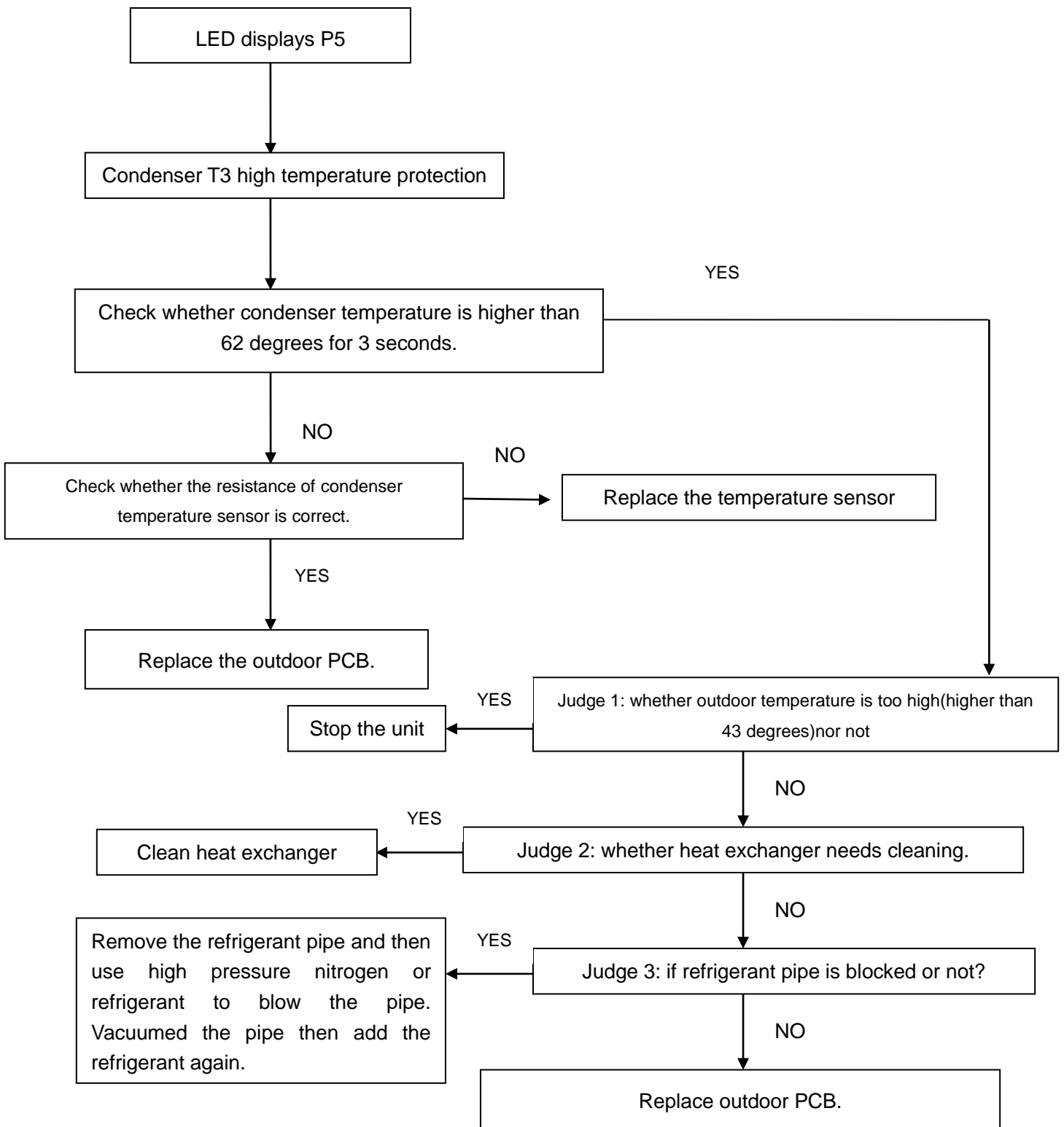
4.14 P4: Compressor discharged temperature protection

When the discharged temperature of the compressor is higher than 115°C, the unit will stop running. When the discharged temperature of the compressor is lower than 90°C, the unit resumes normal operation automatically.



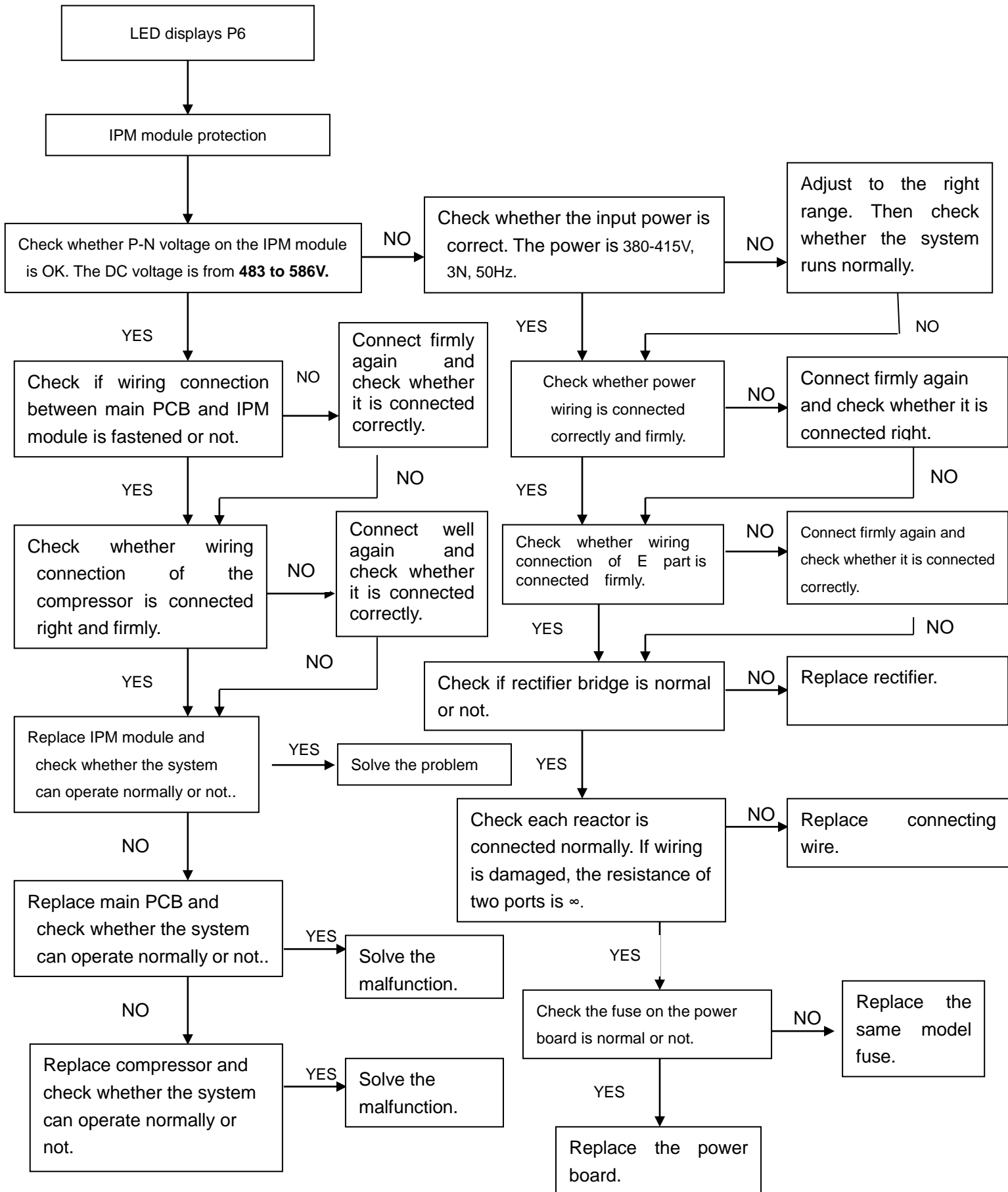
4.15 P5: Condenser high temperature protection

When condenser temperature is higher than 62 degrees for 3 seconds, the unit will stop operating. When pipe temperature outside is lower than 52 degrees, the unit will resume operate.

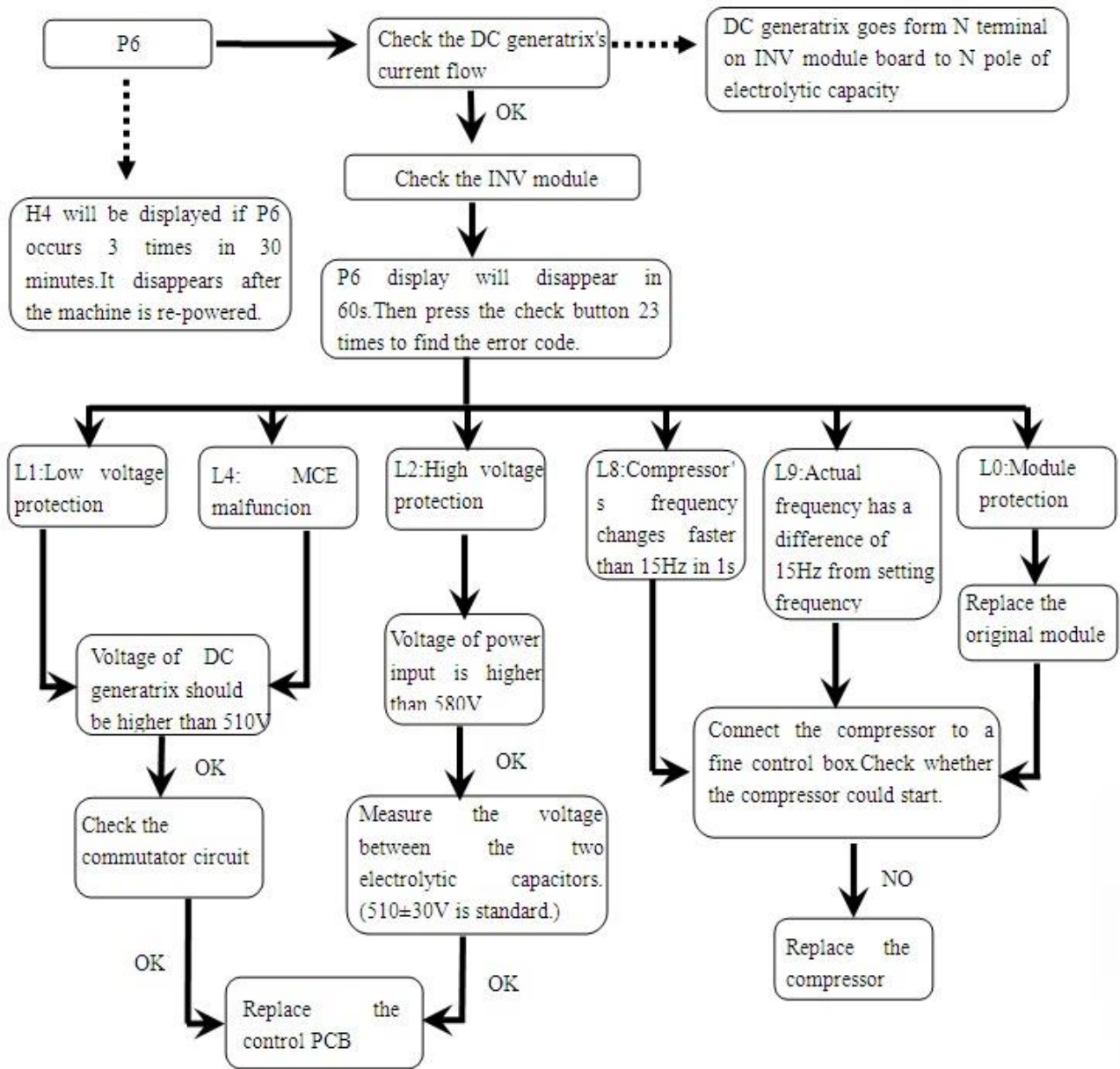


4.16 P6: IPM Module protection

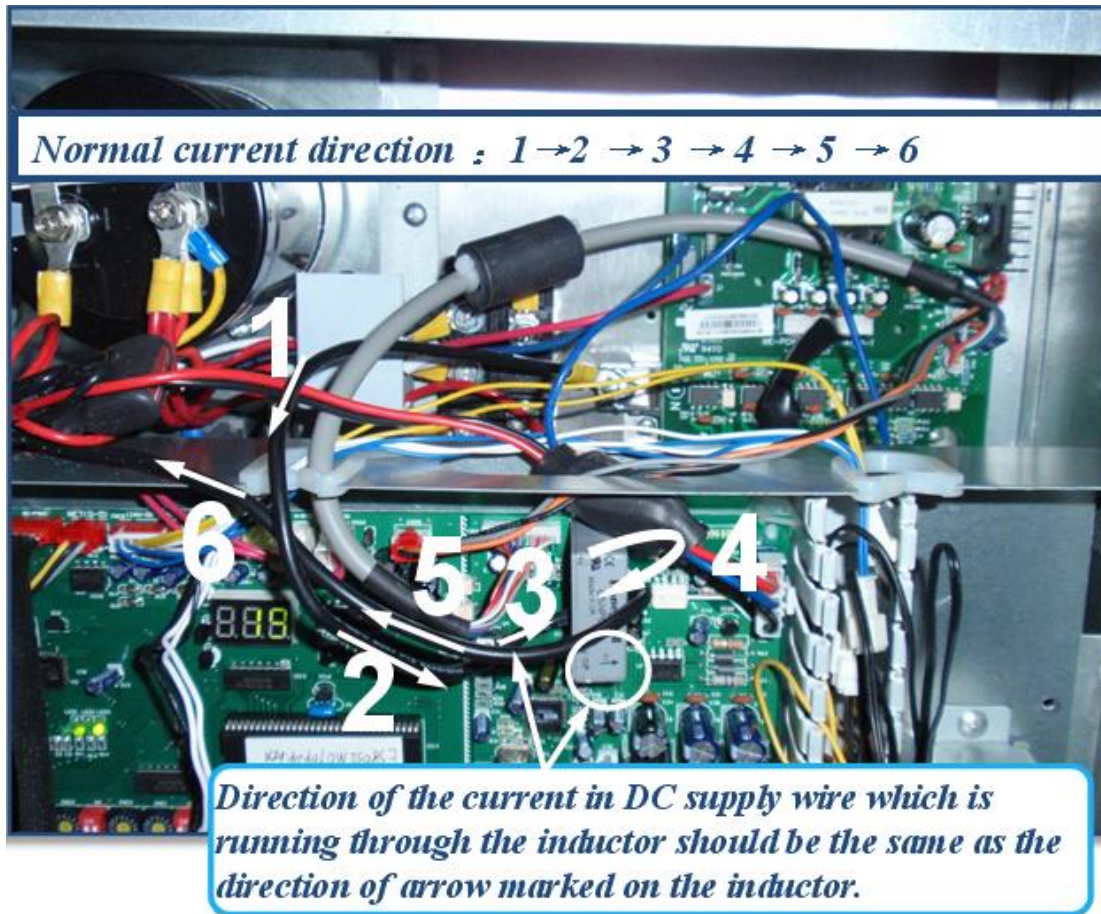
The following explanation is for 12~16kw.



The following explanation is for 18kW



1.1 DC generatrix detection



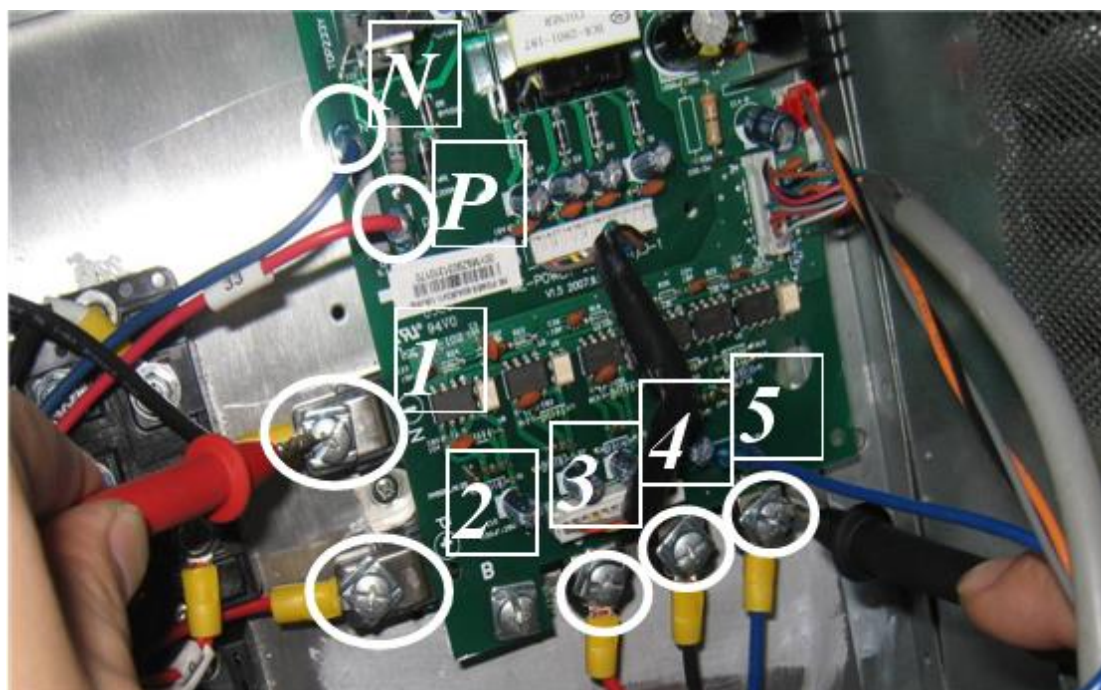
1.2 Voltage check of DC generatrix

1.2.1 Check the voltage of DC generatrix, which is normal between 510V and 580V. If less , go to next step.

1.2.2 Check the rectification circuit. Find out any loose in the circuit. Moreover check the filter board, rectifier stacks. Mind DC and AC switch on the meter while doing this.

1.2.3 If none of the above works, replace the main control board.

2 Voltage check of module



2.1 The voltage between N and P should be 1.41times to local power supply.

2.2 The voltage between 1 and 2 should range from 510V to 580V

2.3 The resistance between 1, 2,3,4,5 should be infinite. If any of them is about 0, which means the module has already been broken down; we need to replace the module.

3 Compressor's characteristics

3.1 Measure the resistance among the compressor's U, V, W respectively. The resistance should range from 0.9 to 5 Ohms and be the same.



Fig. A



Fig. B

3.2 Measure the resistance between the compressor's U,V,W and GND respectively. The resistance should be more or less mega-Ohms.



Fig. C



Fig. D

3.3 Measure the current of the compressor's U, V, W terminal respectively, which should be more or less the same, by e.g. current flow table clamp. They should be 4A at the frequency of 35 Hertz.

4 P6 appears after the compressor turns on with difficulties

4.1 Check the module according to step 3 first.

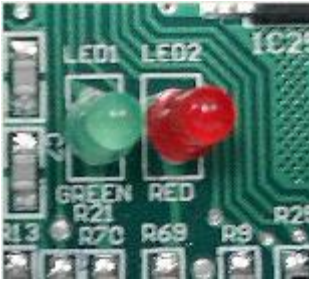
4.2 If the module works, make the machine standby for 4 hours with power supply, which can help heating the refrigerant and oil adequately.

4.3 Start the fixed frequency compressor only for 3S to 5S. The great startup pressure could wash the impurity away in the tube.

4.4 If the compressor's frequency climbs to 37 Hertz or above in 2S after turning on, then there's something wrong with the compressor. Check the compressor.

4.5 If the compressor's current is normal, the malfunction appears on the control board. Please replace it.

5 The machine is powered on and "0" will appear for few seconds, then quantities of indoor units that have been connected will appear if the machine is normal.



In normal situation:

LED 1: Flash in 1Hz (slowly flash) when standby

LED 1: On when running

LED 2: Off

Phenomenon A

LED 2 red ON

LED 1 green Flashes 8 times and stops for 1S, then repeat.

Error: Inverter module failure

Phenomenon B

LED 2 red ON

LED 1 green Flashes 9 times and stops for 1S, then repeat.

Error: Low voltage protection

Here are 3 circumstances:

- a) The voltage between the two electrolytic capacitors is less than 450V. The AC contactor should be picked up. If not, there's something wrong with the main control board or the PTC resistors, which need to be replaced correspondingly.
- b) Somewhere is loose in the circuit.
- c) The voltage between P and N of CN12 on the main control board should range from 450V to 570V. If the voltage between N terminal and middle terminal of CN12 is 15V while error displays, it means that the main control board fails. Please replace the main control board.

Phenomenon C

LED 2 Red ON

LED1 Green Flashes 10 times and stops for 1S, then repeat.

Error: High voltage protection

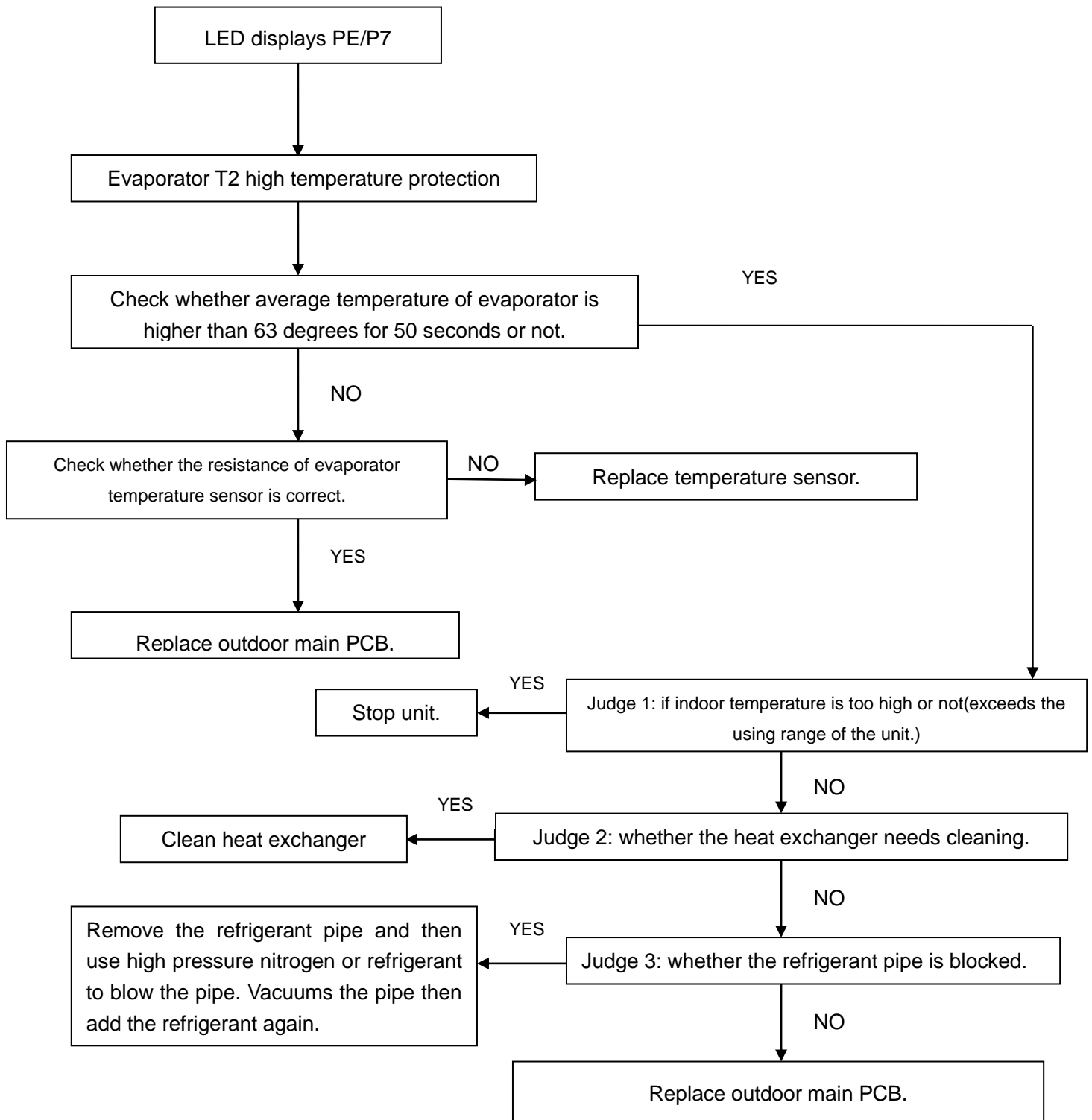
Here are 2 circumstances:

1. Three-phase power supply 's voltage is more than 440V
2. Main control board fails. Please replace it.

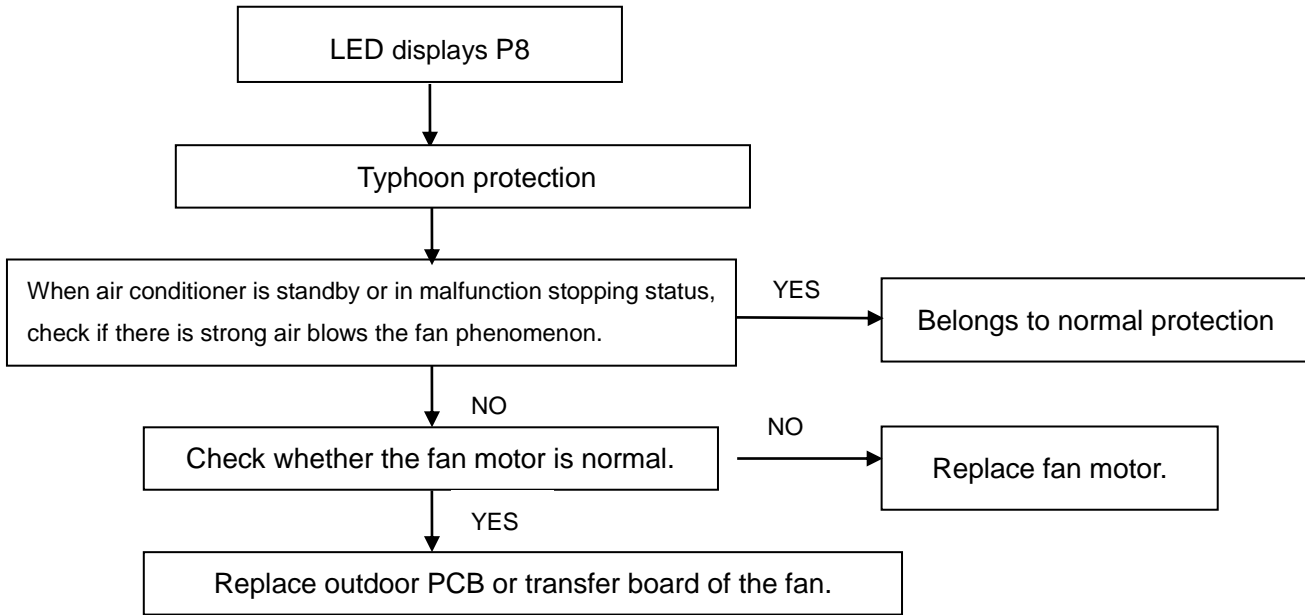
4.17 PE/P7 malfunction: Evaporator T2 high temperature protection

(PE display on 12~16kW, P7 display on 18kW)

When the middle average temperature of the evaporator is higher than 63 degrees for 50 seconds, the unit will stop operating. When pipe temperature is lower than 50 degrees, the unit will resume running.



4.18 P8: Typhoon protection





GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 14001 International standard
for environmental management.
Certificate No.15912E10020R0L



GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 9001 International standard
for quality assurance.
NO.01 100 019209



GD Midea Heating & Ventilating Equipment Co., Ltd.
Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.

Commercial Air Conditioner Division Midea Group

Address: Midea Headquarters Building, 6 Midea Avenue, Beijiao, Shunde, Foshan,
Guangdong, China

Postal code: 528311

Tel: +86-757-26338346 Fax: +86-757-22390205

cac.midea.com global.midea.com

Note: The data in this book may be changed without notice for further improvement on
quality and performance.

Midea CAC After-service Application



iOS Version



Android Version

Midea CAC News Application



iOS Version