

MDV

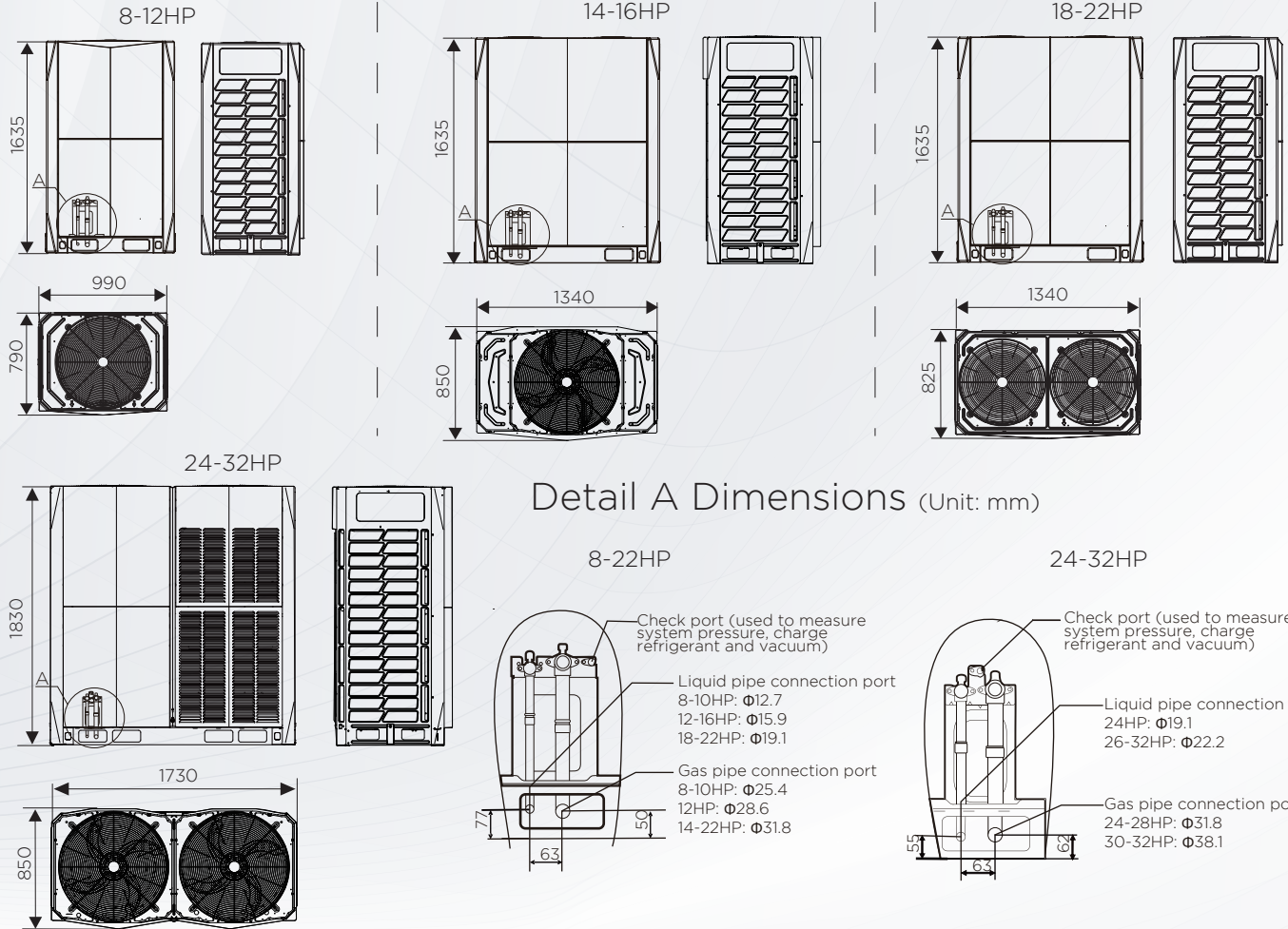
V6 Series VRF

Features

- ❖ 8HP to 96HP
- ❖ Connect Up to 64 Indoor Units
- ❖ Enhanced Vapor Injection (EVI) Compressor
- ❖ Energy Management System
- ❖ Plate Heat Exchanger (PHE) Subcooling
- ❖ Enhanced Heating Capacity
- ❖ Duty Cycling Extends Compressor Life
- ❖ Double Backup Operation
- ❖ Precise Oil Control Technology
- ❖ Real-Time Refrigerant Amount Monitoring
- ❖ Refrigerant Cooling PCB
- ❖ Optional Multifunctional PCB
- ❖ Easy Maintenance



Unit Dimensions (Unit: mm)



Specifications

| HP | | | 8 | 10 | 12 | 14 | 16 | 18 |
|-----------------------------------|-------------------|-------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Model | | | MDVO-V6252V2R1BE | MDVO-V6280V2R1BE | MDVO-V6335V2R1BE | MDVO-V6400V2R1BE | MDVO-V6450V2R1BE | MDVO-V6500V2R1BE |
| Power supply | V/Ph/Hz | 380-415/3/50(60) | | | | | | |
| Cooling ¹ | Capacity | kW | 25.2 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 |
| | | kBtu/h | 86.0 | 95.5 | 114.3 | 136.5 | 153.5 | 170.6 |
| | Power input | kW | 5.3 | 6.3 | 8.7 | 9.9 | 12.0 | 12.5 |
| | EER | | 4.75 | 4.45 | 3.85 | 4.05 | 3.75 | 4.00 |
| Heating ² | Capacity | kW | 25.2 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 |
| | | kBtu/h | 86.0 | 95.5 | 114.3 | 136.5 | 153.5 | 170.6 |
| | Power input | kW | 4.6 | 5.2 | 6.6 | 8.5 | 9.8 | 10.6 |
| | COP | | 5.50 | 5.40 | 5.10 | 4.70 | 4.60 | 4.70 |
| Airflow rate | m ³ /h | 11000 | | | 13000 | | | 17000 |
| Sound pressure level ³ | dB(A) | 58 | | | 60 | | | 61 |
| Net dimensions (WxHxD) | mm | 990x1635x790 | | | 1340x1635x850 | | | 1340x1635x825 |
| Packed dimensions (WxHxD) | mm | 1090x1805x860 | | | 1405x1805x910 | | | |
| Net/Gross weight | kg | 227/242 | | | 277/304 | | | 348/368 |
| Operating temperature range | °C | Cooling: -5 ~ 54; Heating: -25 ~ 24 | | | | | | |

| HP | | | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
|-----------------------------------|-------------------|-------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Model | | | MDVO-V6560V2R1BE | MDVO-V6615V2R1BE | MDVO-V6670V2R1BE | MDVO-V6730V2R1BE | MDVO-V6785V2R1BE | MDVO-V6850V2R1BE | MDVO-V6900V2R1BE |
| Power supply | V/Ph/Hz | 380-415/3/50(60) | | | | | | | |
| Cooling ¹ | Capacity | kW | 56.0 | 61.5 | 67.0 | 73.0 | 78.5 | 85.0 | 90.0 |
| | | kBtu/h | 191.1 | 209.8 | 228.6 | 249.1 | 267.8 | 290.0 | 307.1 |
| | Power input | kW | 15.1 | 18.4 | 18.1 | 20.9 | 24.2 | 27.4 | 31.0 |
| | EER | | 3.70 | 3.35 | 3.70 | 3.49 | 3.25 | 3.10 | 2.90 |
| Heating ² | Capacity | kW | 56.0 | 61.5 | 67.0 | 73.0 | 78.5 | 85.0 | 90.0 |
| | | kBtu/h | 191.1 | 209.8 | 228.6 | 249.1 | 267.8 | 290.0 | 307.1 |
| | Power input | kW | 12.7 | 15.0 | 14.9 | 17.6 | 20.7 | 23.0 | 25.7 |
| | COP | | 4.40 | 4.10 | 4.50 | 4.15 | 3.80 | 3.70 | 3.50 |
| Airflow rate | m ³ /h | 17000 | | | 25000 | | | 24000 | |
| Sound pressure level ³ | dB(A) | 63 | | | 64 | | | | |
| Net dimensions (WxHxD) | mm | 1340x1635x825 | | | 1730x1830x850 | | | 1800x2000x910 | |
| Packed dimensions (WxHxD) | mm | 1405x1805x910 | | | 1800x2000x910 | | | | |
| Net/Gross weight | kg | 348/368 | | | 430/453 | | | 475/507 | |
| Operating temperature range | °C | Cooling: -5 ~ 54; Heating: -25 ~ 24 | | | | | | | |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.