



Samsung's innovative VRF systems

COP as high as 4.94



Samsung DVM S Smart products for smarter businesses.



- **30HP LARGE CAPACITY** - Largest and most compact VRF system, it provides reliable coverage across larger areas while also saving up to 40% space*.
- **YEAR-ROUND CLIMATE CONTROL** - Able to cool in heat of up to 48°C and provide warmth in cold conditions of -25°C. Works quietly- noise control system lowers noise to below 50Db(a)*.
- **FLASH INJECTION TECHNOLOGY** - Increases refrigerant flow by 32% and can produce high heating capacities at -25°C.
- **INTELLIGENT DEFROST** - Defrosts more accurately and minimising energy waste. It increases continuous heating time by up to 40%**.
- **TOP-CLASS EFFICIENCY** - Includes a host of innovative technologies that merge to deliver top-class energy efficiency and a much better EER to save energy, costs, and valuable space.
- **HYBRID HEAT EXCHANGER** - Combines two different types of fins to create a uniform air flow and generate a total air volume that's 17% more than conventional systems**. (*Only available in certain models).
- **DIGITAL INVERTER COMPRESSOR** - Rapidly reaches set temperature and operates quietly and smoothly. Its Vapour Injection System increases refrigerant flow by 20% compared to conventional products*.
- **FLEXIBILITY & MAINTENANCE** - Maximum piping length of up to 220m (721 feet) between the outdoor and indoor units. It's also able to work efficiently at an elevation of up to 110m, which is equivalent to 22 stories**.
- **SMART MANAGEMENT** - Simpler to monitor and control, anytime anywhere with smart management capabilities. Optional Wi-Fi kit lets you remotely control indoor units using an App*.
- **DURABILITY & RELIABILITY** - Delivers long-lasting and consistent performance in a wide range of locations. Samsung's Digital Inverter system balances the compressors operation to manage lifespan and reduce maintenance and parts replacement costs.

DVM S systems offer a wide array of sizes, system combinations and control options, providing flexible designs and applications.

Outdoor Units

DVM S

DVM S systems offer a wide array of sizes, system combinations and control options, providing flexible designs and applications for large commercial and industrial needs.



- Heat Pump and Heat Recovery
- 208-230V / 60Hz / 3 Ø or 460V / 60Hz / 3 Ø
- 6, 8, 10, 12, 14, 16, and 18* ton single modules
- BMS connectable
- Connect up to 3 units for system capacities up to 44 tons
- Connect up to 64 indoor units
- 3-pipe HR (enhanced HR performance)

DVM S Eco

This compact system is the perfect choice for high efficiency heating and cooling of residential and light commercial needs. With a height of just 1210mm and a small footprint of only 0.318m², the DVM S Eco's overall volume is 5% less than competing models with the same capacity*, as well as top-discharge models.



- Heat Pump and Heat Recovery
- 4, 5, 6, 8, 10, 12 and 14HP capacities/models.
- Installs up to 9 indoor units
- 208/230V, 1 Ph, 60Hz?
- Connectable control w/DVMS
- BMS connectable
- **4-Way Piping** - gives you more flexibility and can be discretely concealed.
- **High Elevation with Long Piping** - it has a maximum piping length of up to 160m between outdoor and indoor units. It also works efficiently at an elevation of up to 50m, which is equivalent to 10 stories**.

Indoor Units

CASSETTE



360 Cassette



WindFree 4-Way



WindFree 4-Way Mini (600x600)



WindFree 1-Way

DUCTED



MSP Duct

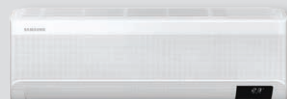


HSP Duct



Slim Duct

WALL-MOUNTED



WindFree Wall-Mounted



Boracay

CEILING & FLOOR



Big Ceiling



Convertible



Console

CONTROLS

There are many different ways to control a Samsung system. Based on desired level of control and user interface preference, Samsung offers a variety of wired controllers suitable for any application.

Individual Controls

Wireless / Wired Controllers



AR-EH03E



AR-KH03E



MWR-WE13N



MWR-WG00*N



MWR-SH00N



MWR-SH11N



MWR-VH12N



MCM-A00N

Centralized Controls



MWR-SH00N



MWR-SH11N

Wi-Fi Kit 2.0



MWR-VH12N

An optional Wi-Fi Kit* lets you remotely control indoor units using a smartphone App**. Anytime and anywhere you can turn them on and off, select the operating mode and temperature, and utilize their other functions.

Discover the entire line of Samsung's innovative VRF systems, contact Fourways Group today.

- JHB: (011) 704 6320 · PTA: (012) 643 0445
- CT: (021) 556 8292 · KZN: (031) 579 1895
- QB: (041) 484 6413 · EL: (043) 722 0671
- FS: 083 381 0074



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fourways | **SAMSUNG**
Smart Airconditioning Solutions

DVM S

Specification



| Model Code | | AM080FXVAGH/EU | AM100FXVAGH/EU | AM120FXVAGH/EU | AM140FXVAGH/EU | AM160FXVAGH/EU |
|---|--|-------------------|-------------------|-------------------|---------------------|---------------------|
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] | | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 |
| Performance (Nominal) | HP | 8.00 | 10.00 | 12.00 | 14.00 | 16.00 |
| Capacity | Cooling [kW] | 22.40 | 28.00 | 33.60 | 40.00 | 45.00 |
| | Cooling [Btu/h] | 76,400 | 95,500 | 114,600 | 136,500 | 153,500 |
| | Heating [kW] | 25.20 | 31.50 | 37.80 | 45.00 | 50.40 |
| | Heating [Btu/h] | 86,000 | 107,500 | 129,000 | 153,500 | 172,000 |
| Power Input (Nominal) | Cooling 1) [kW] | 5.00 | 6.80 | 8.40 | 8.90 | 11.00 |
| | Heating 2) [kW] | 5.10 | 6.70 | 8.70 | 9.50 | 11.50 |
| Energy Efficiency | EER (Nominal Cooling) | 4.48 | 4.12 | 4.00 | 4.49 | 4.09 |
| | COP (Nominal Heating) | 4.94 | 4.70 | 4.34 | 4.74 | 4.38 |
| | ESEER | 7.85 | 7.25 | 7.03 | 7.02 | 6.78 |
| Fan | Air Flow Rate (High / Mid / Low) [CMM] | 170 | 170 | 220 | 255 | 255 |
| Piping Connections | Installation Max. Length [m] | 200 | 200 | 200 | 200 | 200 |
| | Installation Max. Height [m] | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A |
| Sound | Sound Pressure [dB(A)] | 57.0 | 58.0 | 62.0 | 61.0 | 63.0 |
| | Sound Power [dB(A)] | 77.0 | 79.0 | 81.0 | 81.0 | 83.0 |
| External Dimension (Outdoor Unit) | Net Weight [kg] | 190.0 | 190.0 | 190.0 | 235.0 | 278.0 |
| | Net Dimensions (WxHxD) [mm] | 880 x 1,695 x 765 | 880 x 1,695 x 765 | 880 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 |

| Model Code | | AM180FXVAGH/EU | AM200FXVAGH/EU | AM220FXVAGH/EU | AM240HXVAGH/EU | AM260HXVAGH/EU | AM300KXVAGH/TK |
|---|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] | | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 |
| Performance (Nominal) | HP | 18.00 | 20.00 | 22.00 | 24.00 | 26.00 | 30.00 |
| Capacity | Cooling [kW] | 50.40 | 56.00 | 61.60 | 67.20 | 72.80 | 84.00 |
| | Cooling [Btu/h] | 172,000 | 191,100 | 210,200 | 229,300 | 248,400 | 286,600 |
| | Heating [kW] | 56.70 | 63.00 | 69.31 | 75.60 | 81.90 | 94.50 |
| | Heating [Btu/h] | 193,500 | 215,000 | 236,500 | 258,000 | 279,500 | 322,400 |
| Power Input (Nominal) | Cooling 1) [kW] | 12.88 | 15.19 | 17.35 | 17.10 | 19.30 | 22.70 |
| | Heating 2) [kW] | 11.90 | 13.90 | 16.70 | 19.80 | 21.80 | 20.59 |
| Energy Efficiency | EER (Nominal Cooling) | 3.91 | 3.69 | 3.55 | 3.93 | 3.77 | 3.70 |
| | COP (Nominal Heating) | 4.76 | 4.53 | 4.15 | 3.82 | 3.76 | 4.59 |
| | ESEER | 6.59 | 6.56 | 6.25 | 6.48 | 6.26 | 6.65 |
| Fan | Air Flow Rate (High / Mid / Low) [CMM] | 290 | 290 | 290 | 310 | 310 | 340 |
| Piping Connections | Installation Max. Length [m] | 200 | 200 | 200 | 200 | 200 | 200 |
| | Installation Max. Height [m] | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A | R410A |
| Sound | Sound Pressure [dB(A)] | 64.0 | 65.0 | 66.0 | 67.0 | 67.0 | 69.0 |
| | Sound Power [dB(A)] | 86.0 | 87.0 | 89.0 | 91.0 | 91.0 | 90.0 |
| External Dimension (Outdoor Unit) | Net Weight [kg] | 300.0 | 300.0 | 300.0 | 360.0 | 360.0 | 350.0 |
| | Net Dimensions (WxHxD) [mm] | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,795 x 765 |

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S Eco

Specification



| Model Code | | AM040KXMDEH/EU | AM050KXMDEH/EU | AM040FXMDEH/EU | AM040FXMDGH/EU | AM050FXMDEH/EU | AM050FXMDGH/EU |
|---|--|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] | | 1,2,220-240,50 | 1,2,220-240,50 | 1,2,220-240,50 | 3,4,380-415,50 | 1,2,220-240,50 | 3,4,380-415,50 |
| Performance (Nominal) | HP | 4.00 | 5.00 | 4.00 | 4.00 | 5.00 | 5.00 |
| Capacity | Cooling [kW] | 12.10 | 14.00 | 12.10 | 12.10 | 14.00 | 14.00 |
| | Cooling [Btu/h] | 41,300 | 47,800 | 41,300 | 41,300 | 47,800 | 47,800 |
| | Heating [kW] | 12.10 | 14.00 | 13.50 | 13.50 | 16.00 | 16.00 |
| | Heating [Btu/h] | 41,300 | 47,800 | 46,100 | 46,100 | 54,600 | 54,600 |
| Power Input (Nominal) | Cooling 1) [kW] | 3.60 | 4.00 | 2.89 | 2.99 | 3.69 | 3.69 |
| | Heating 2) [kW] | 2.90 | 3.40 | 3.02 | 3.02 | 3.61 | 3.61 |
| Energy Efficiency | EER (Nominal Cooling) | 3.36 | 3.50 | 4.19 | 4.05 | 3.79 | 3.79 |
| | COP (Nominal Heating) | 4.17 | 4.12 | 4.47 | 4.47 | 4.43 | 4.43 |
| | ESEER | 7.25 | 6.71 | 7.57 | 7.57 | 6.91 | 6.91 |
| Fan | Air Flow Rate (High / Mid / Low) [CMM] | 64 | 70 | 100 | 100 | 100 | 100 |
| Piping Connections | Installation Max. Length [m] | 50 | 50 | 150 | 150 | 150 | 150 |
| | Installation Max. Height [m] | 30.0 | 30.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A | R410A |
| Sound | Sound Pressure [dB(A)] | 52.0 / 54.0 | 55.0 / 57.0 | 50.0 | 50.0 | 51.0 | 51.0 |
| | Sound Power [dB(A)] | 73.0 | 75.0 | 66.0 | 66.0 | 67.0 | 67.0 |
| External Dimension (Outdoor Unit) | Net Weight [kg] | 79.0 | 83.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Net Dimensions (WxHxD) [mm] | 940 x 998 x 330 | 940 x 998 x 330 | 940 x 1,210 x 330 | 940 x 1,210 x 330 | 940 x 1,210 x 330 | 940 x 1,210 x 330 |

| Model Code | | AM060FXMDEH/EU | AM060FXMDGH/EU | AM080FXMDGH/EU | AM080MXMDGH/EU | AM100KXMDGH/EU | AM120KXMDGH/EU | AM140KXMDGH/EU |
|---|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] | | 1,2,220-240,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 | 3,4,380-415,50 |
| Performance (Nominal) | HP | 6.00 | 6.00 | 8.00 | 8 | 10.00 | 12.00 | 14.00 |
| Capacity | Cooling [kW] | 15.50 | 15.50 | 22.40 | 22.4 | 27.99 | 33.50 | 40.00 |
| | Cooling [Btu/h] | 52,900 | 52,900 | 76,400 | 76,400 | 95,500 | 114,300 | 136,500 |
| | Heating [kW] | 18.00 | 18.00 | 25.00 | 22.4 | 31.51 | 37.51 | 44.99 |
| | Heating [Btu/h] | 61,400 | 61,400 | 85,300 | 76,400 | 107,500 | 128,000 | 153,500 |
| Power Input (Nominal) | Cooling 1) [kW] | 4.31 | 4.31 | 5.72 | 6.9 | 7.29 | 8.77 | 10.59 |
| | Heating 2) [kW] | 4.39 | 4.39 | 4.88 | 5.8 | 6.74 | 7.83 | 9.88 |
| Energy Efficiency | EER (Nominal Cooling) | 3.60 | 3.60 | 3.92 | 3.25 | 3.84 | 3.82 | 3.78 |
| | COP (Nominal Heating) | 4.10 | 4.10 | 5.12 | 3.86 | 4.68 | 4.79 | 4.55 |
| | ESEER | 6.45 | 6.45 | 9.22 | 7.46 | 7.09 | 6.94 | 6.83 |
| Fan | Air Flow Rate (High / Mid / Low) [CMM] | 100 | 100 | 135 | 135 | 165 | 166 | 180 |
| Piping Connections | Installation Max. Length [m] | 150 | 150 | 100 | 100 | 99 | 160 | 160 |
| | Installation Max. Height [m] | 50.0 | 50.0 | 30.0 | 30 | 50.0 | 50.0 | 50.0 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Sound | Sound Pressure [dB(A)] | 53.0 | 53.0 | 56.0 | 59 | 58.0 | 59.0 | 62.0 |
| | Sound Power [dB(A)] | 69.0 | 69.0 | 74.0 | 77 | 74.0 | 76.0 | 79.0 |
| External Dimension (Outdoor Unit) | Net Weight [kg] | 103.0 | 103.0 | 135.0 | 115 | 145.0 | 155.0 | 162.0 |
| | Net Dimensions (WxHxD) [mm] | 940 x 1,210 x 330 | 940 x 1,210 x 330 | 940 x 1,420 x 330 | 940 x 1,420 x 330 | 940 x 1,630 x 460 | 940 x 1,630 x 460 | 940 x 1,630 x 460 |

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2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.