

# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVMS HP / HR

| Model Name                  | DVMS HP                  | AM080FXVAGH       | AM100FXVAGH        | AM120FXVAGH        | AM140FXVAGH         | AM160FXVAGH         | AM180FXVAGH        |                    |
|-----------------------------|--------------------------|-------------------|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|
| Power Supply                | DVMS HR                  | AM080FXVAGR       | AM100FXVAGR        | AM120FXVAGR        | AM140FXVAGR         | AM160FXVAGR         | AM180FXVAGR        |                    |
| Power Supply                | 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     |                    |
| Mode                        | -                        | HP / HR           | HP / HR            | HP / HR            | HP / HR             | HEAT PUMP           | HEAT PUMP          |                    |
| Performance                 | HP                       | 8.00              | 10.00              | 12.00              | 14.00               | 16.00               | 18.00              |                    |
|                             | Cooling                  | kW                | 22.40              | 28.00              | 33.60               | 40.00               | 45.00              | 50.40              |
|                             |                          | Btu/h             | 76,400             | 95,500             | 114,600             | 136,500             | 153,500            | 172,000            |
|                             | Heating                  | kW                | 25.20              | 31.50              | 37.80               | 45.00               | 50.00              | 56.70              |
| Btu/h                       |                          | 86,000            | 107,500            | 129,000            | 153,500             | 170,600             | 193,500            |                    |
| Power                       | Power Input (Nominal)    | Cooling 1)        | 5.00               | 6.80               | 8.40                | 8.90                | 11.00              | 12.88              |
|                             |                          | Heating 2)        | 5.10               | 6.70               | 8.70                | 9.50                | 11.50              | 11.90              |
|                             | Current Input (Nominal)  | Cooling 1)        | 8.00               | 10.90              | 13.50               | 14.30               | 17.60              | 20.70              |
|                             |                          | Heating 2)        | 8.20               | 10.70              | 14.00               | 15.20               | 18.40              | 19.10              |
|                             | MCA                      | 22.50 (MCA)       | 29.90 (MCA)        | 31.30 (MCA)        | 31.30 (MCA)         | 40.00 (MCA)         | 48.90 (MCA)        |                    |
| MFA                         | A                        | 30.00             | 40.00              | 40.00              | 40.00               | 40.00               | 50.00              |                    |
| COP                         | Nominal Cooling          | -                 | 4.48               | 4.12               | 4.00                | 4.49                | 4.09               | 3.91               |
|                             | Nominal Heating          | -                 | 4.94               | 4.70               | 4.34                | 4.74                | 4.35               | 4.76               |
|                             | ESEER (HP)               | -                 | 7.85               | 7.25               | 7.03                | 7.02                | 6.78               | 6.59               |
|                             | Type                     | -                 | SSC Scroll x 1     | SSC Scroll x 1     | SSC Scroll x 1      | SSC Scroll x 1      | SSC Scroll x 2     | SSC Scroll x 2     |
| Compressor                  | Output                   | kW x n            | (4.96)             | (6.13)             | (6.13)              | (4.96x2)            | (6.13x2)           |                    |
|                             | Model Name               | -                 | DS-GB052FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB066FAVASG x 1  | DS-GB066FAVASG x 1  | DS-GB052FAVASG x 2 | DS-GB066FAVASG x 2 |
|                             | Oil                      | Type              | PVE                | PVE                | PVE                 | PVE                 | PVE                |                    |
|                             | Initial Charge           | cc                | 2300               | 2300               | 2300                | 4600                | 4600               |                    |
| Fan                         | Type                     | -                 | Propeller          | Propeller          | Propeller           | Propeller           | Propeller          |                    |
|                             | Output x n               | W                 | 400 x 1            | 400 x 1            | 400 x 1             | 620 x 2             | 620 x 2            |                    |
|                             | Air Flow Rate            | CMM               | 145                | 145                | 190                 | 260                 | 270                |                    |
|                             | External Static Pressure | Max.              | mmAq               | 2,416.67           | 2,416.67            | 3,166.67            | 4,333.33           | 4,500.00           |
|                             |                          | Pa                | 8.00               | 8.00               | 8.00                | 8.00                | 8.00               |                    |
| Piping Connections          | Liquid Pipe              | φ, mm             | 9.52               | 9.52               | 12.70               | 12.70               | 15.88              |                    |
|                             |                          | φ, inch           | 3/8"               | 3/8"               | 1/2"                | 1/2"                | 5/8"               |                    |
|                             | Gas Pipe                 | φ, mm             | 19.05              | 22.22              | 28.58               | 28.58               | 28.58              |                    |
|                             |                          | φ, inch           | 3/4"               | 7/8"               | 1 1/8"              | 1 1/8"              | 1 1/8"             |                    |
|                             | Discharge Gas Pipe (HR)  | φ, mm             | 15.88              | 19.05              | 22.22               | 22.22               | 22.22              |                    |
|                             |                          | φ, inch           | 5/8"               | 3/4"               | 3/4"                | 7/8"                | 7/8"               |                    |
| Installation Limitation     | Max. Length              | m                 | 200(220)           | 200(220)           | 200(220)            | 200(220)            |                    |                    |
|                             | Max. Height              | m                 | 110(40)            | 110(40)            | 110(40)             | 110(40)             |                    |                    |
| Field Wiring                | Power Source Wire        | mm2               | -                  | -                  | -                   | -                   |                    |                    |
|                             | Transmission Cable       | mm2               | 0.75 ~ 1.5         | 0.75 ~ 1.5         | 0.75 ~ 1.5          | 0.75 ~ 1.5          |                    |                    |
| Refrigerant                 | Type                     | -                 | R410A              | R410A              | R410A               | R410A               |                    |                    |
|                             | Factory Charging         | kg                | 5.50               | 5.20               | 5.50                | 7.40                |                    |                    |
| Sound                       | Sound Pressure           | dB(A)             | 57.0               | 58.0               | 62.0                | 61.0                |                    |                    |
|                             | Sound Power              | dB(A)             | 77.0               | 79.0               | 81.0                | 83.0                |                    |                    |
| External Dimension          | Net Weight               | DVMS HP           | 190.0              | 190.0              | 190.0               | 235.0               |                    |                    |
|                             |                          | DVMS HR           | 195.0              | 195.0              | 195.0               | 241.0               |                    |                    |
|                             | Shipping Weight          | DVMS HP           | 206.0              | 206.0              | 206.0               | 254.0               |                    |                    |
|                             |                          | DVMS HR           | 211.0              | 211.0              | 211.0               | 260.0               |                    |                    |
|                             | 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 |                    |                    |
| Shipping Dimensions (WxHxD) | mm                       | 948 x 1,857 x 832 | 948 x 1,857 x 832  | 948 x 1,857 x 832  | 1,363 x 1,857 x 832 |                     |                    |                    |
| Operating Temp. Range       | Cooling (HP)             | *C                | -5.0 ~ 48.0        | -5.0 ~ 48.0        | -5.0 ~ 48.0         | -5.0 ~ 48.0         |                    |                    |
|                             | Heating                  | *C                | -20.0 ~ 24.0       | -20.0 ~ 24.0       | -20.0 ~ 24.0        | -20.0 ~ 24.0        |                    |                    |

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\* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

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### DVMS HP / HR

| Model Name              | DVMS HP                     | AM200FXVAGH    | AM220FXVAGH         | AM240FXVAGH         | AM260FXVAGH             | AM280FXVAGH                             | AM300FXVAGH                             |                     |
|-------------------------|-----------------------------|----------------|---------------------|---------------------|-------------------------|---|---|---------------------|
| Power Supply            | DVMS HR                     | AM200FXVAGR    | AM220FXVAGR         | AM240FXVAGR         | AM260FXVAGR             | AM280FXVAGR                             | AM300FXVAGR                             |                     |
| Mode                    | 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             | HP                          | HEAT PUMP      | HEAT PUMP           | HEAT PUMP           | HEAT PUMP               | HEAT PUMP                               | HEAT PUMP                               |                     |
|                         | Capacity (Nominal)          | HP             | 20.00               | 22.00               | 24.00                   | 26.00                                   | 28.00                                   |                     |
|                         | Cooling                     | kW             | 56.00               | 61.60               | 67.20                   | 73.60                                   | 78.60                                   | 84.00               |
|                         |                             | Btu/h          | 191,100             | 210,200             | 229,300                 | 251,100                                 | 268,200                                 | 286,600             |
|                         | Heating                     | kW             | 63.00               | 69.30               | 75.60                   | 82.80                                   | 87.80                                   | 94.50               |
| Btu/h                   |                             | 215,000        | 236,500             | 258,000             | 282,500                 | 299,600                                 | 322,400                                 |                     |
| Power                   | Power Input (Nominal)       | Cooling 1)     | 15.19               | 17.35               | 16.80                   | 17.30                                   | 19.40                                   | 21.28               |
|                         | Heating 2)                  | kW             | 13.90               | 16.70               | 17.40                   | 18.20                                   | 20.20                                   | 20.60               |
|                         | Current Input (Nominal)     | Cooling 1)     | 24.40               | 27.80               | 27.00                   | 27.80                                   | 31.10                                   | 34.20               |
|                         | Heating 2)                  | A              | 22.30               | 26.80               | 28.00                   | 29.20                                   | 32.40                                   | 33.10               |
|                         | MCA                         | 52.50 (MCA)    | 55.60 (MCA)         | 62.60 (MCA)         | 62.60 (MCA)             | 71.30 (MCA)                             | 80.20 (MCA)                             |                     |
| COP                     | MFA                         | A              | 75.00               | 75.00               | 75.00                   | 75.00                                   | 90.00                                   |                     |
|                         | Nominal Cooling             | -              | 3.69                | 3.55                | 4.00                    | 4.25                                    | 4.05                                    | 3.95                |
|                         | Nominal Heating             | -              | 4.53                | 4.15                | 4.34                    | 4.55                                    | 4.35                                    | 4.59                |
|                         | ESEER (HP)                  | -              | 6.56                | 7.03                | 7.03                    | 6.91                                    | 6.81                                    |                     |
| Compressor              | Type                        | -              | SSC Scroll x 2      | SSC Scroll x 2      | SSC Scroll x 2          | SSC Scroll x 3                          | SSC Scroll x 3                          |                     |
|                         | Output                      | kW x n         | (6.13x2)            | (6.13x2)            | (6.13) + (6.13)         | (6.13) + (4.96x2)                       | (6.13) + (6.13x2)                       |                     |
|                         | Model Name                  | -              | DS-GB066FAVASG x 2  | DS-GB066FAVASG x 2  | DS-GB066FAVASG x 2      | DS-GB066FAVASG x 1 + DS-GB052FAVASG x 2 | DS-GB066FAVASG x 3                      |                     |
| Fan                     | Oil                         | Type           | PVE                 | PVE                 | PVE                     | PVE                                     | PVE                                     |                     |
|                         | Initial Charge              | cc             | 4600                | 4600                | 4600                    | 6900                                    | 6900                                    |                     |
|                         | Type                        | -              | Propeller           | Propeller           | Propeller               | Propeller                               | Propeller                               |                     |
| Piping Connections      | Output x n                  | W              | 620 x 2             | 620 x 2             | (400 x 1) x 2           | 400 x 1 + 620 x 2                       | 400 x 1 + 620 x 2                       |                     |
|                         | Air Flow Rate               | CMM            | 275                 | 295                 | 190 x 2                 | 190 + 260                               | 190 + 270                               |                     |
|                         | External Static Pressure    | Max.           | mmAq                | 4,583.33            | 4,916.67                | 3,166.67 x 2                            | 3,166.67 + 4,333.33                     | 3,166.67 + 4,500.00 |
|                         |                             | Pa             | 8.00                | 8.00                | 8.00                    | 8.00                                    | 8.00                                    |                     |
|                         | Liquid Pipe                 | φ, mm          | 15.88               | 15.88               | 15.88                   | 19.05                                   | 19.05                                   |                     |
| Gas Pipe                | φ, inch                     | 5/8"           | 5/8"                | 5/8"                | 3/4"                    | 3/4"                                    |   |                     |
|                         | φ, mm                       | 28.58          | 28.58               | 28.58               | 34.92                   | 34.92                                   |   |                     |
|                         | φ, inch                     | 1 1/8"         | 1 1/8"              | 1 1/8"              | 1 3/8"                  | 1 3/8"                                  |   |                     |
|                         | φ, mm                       | 28.58          | 28.58               | 28.58               | 28.58                   | 28.58                                   |   |                     |
| Discharge Gas Pipe (HR) | φ, inch                     | 1 1/8"         | 1 1/8"              | 1 1/8"              | 1 1/8"                  | 1 1/8"                                  |   |                     |
| Field Wiring            | Installation Limitation     | Max. Length    | 200(220)            | 200(220)            | 200(220)                | 200(220)                                | 200(220)                                |                     |
|                         | Max. Height                 | m              | 110(40)             | 110(40)             | 110(40)                 | 110(40)                                 | 110(40)                                 |                     |
| Refrigerant             | Power Source Wire           | mm2            | -                   | -                   | -                       | -                                       | -                                       |                     |
|                         | Transmission Cable          | mm2            | 0.75 ~ 1.5          | 0.75 ~ 1.5          | 0.75 ~ 1.5              | 0.75 ~ 1.5                              | 0.75 ~ 1.5                              |                     |
| Sound                   | Type                        | -              | R410A               | R410A               | R410A                   | R410A                                   | R410A                                   |                     |
|                         | Factory Charging            | kg             | 8.40                | 8.40                | 11.00                   | 13.20                                   | 14.20                                   |                     |
|                         | Sound Pressure              | dB(A)          | 65.0                | 65.0                | -                       | -                                       | -                                       |                     |
| External Dimension      | Sound Power                 | dB(A)          | 65.0                | 65.0                | -                       | -                                       | -                                       |                     |
|                         | Net Weight                  | DVMS HP        | kg                  | 300.0               | 300.0                   | 190.0 x 2                               | 190.0 + 278.0                           | 190.0 + 300.0       |
|                         |                             | DVMS HR        | kg                  | 306.0               | 306.0                   | 195.0 x 2                               | 195.0 + 284.0                           | 195.0 + 306.0       |
|                         | Shipping Weight             | DVMS HP        | kg                  | 319.0               | 319.0                   | 206.0 x 2                               | 206.0 + 254.0                           | 206.0 + 319.0       |
|                         |                             | DVMS HR        | kg                  | 325.0               | 325.0                   | 211.0 x 2                               | 211.0 + 303.0                           | 211.0 + 325.0       |
| Operating Temp. Range   | Net Dimensions (WxHxD)      | mm             | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | (880 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 |                     |
|                         | Shipping Dimensions (WxHxD) | mm             | 1,363 x 1,857 x 832 | 1,363 x 1,857 x 832 | (948 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 |                     |
| Cooling (HP)            | *C                          | -5.0 ~ 48.0    | -5.0 ~ 48.0         | -5.0 ~ 48.0         | -5.0 ~ 48.0             | -5.0 ~ 48.0                             | -5.0 ~ 48.0                             |                     |
|                         | Heating                     | *C             | -20.0 ~ 24.0        | -20.0 ~ 24.0        | -20.0 ~ 24.0            | -20.0 ~ 24.0                            | -20.0 ~ 24.0                            |                     |

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### DVMS HP / HR

| Model Name               | DVMS HP                 | AM320FXVAGH                             | AM340FXVAGH                             | AM360FXVAGH               | AM380FXVAGH               | AM400FXVAGH                             | AM420FXVAGH               |                     |
|--------------------------|-------------------------|---|---|---------------------------|---------------------------|---|---------------------------|---------------------|
| Power Supply             | DVMS HR                 | AM320FXVAGR                             | AM340FXVAGR                             | AM360FXVAGR               | AM380FXVAGR               | AM400FXVAGR                             | AM420FXVAGR               |                     |
| Power Supply             | 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            |                     |
| Mode                     | -                       | HEAT PUMP                               | HEAT PUMP                               | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP                               | HEAT PUMP                 |                     |
| Performance              | HP                      | 32.00                                   | 34.00                                   | 36.00                     | 38.00                     | 40.00                                   | 42.00                     |                     |
|                          | Cooling                 | kW                                      | 89.60                                   | 95.20                     | 101.60                    | 106.60                                  | 112.00                    | 117.60              |
|                          |                         | Btu/h                                   | 305,700                                 | 324,800                   | 346,700                   | 363,700                                 | 382,200                   | 401,300             |
|                          | Heating                 | kW                                      | 100.80                                  | 107.10                    | 114.30                    | 119.30                                  | 126.00                    | 132.30              |
| Btu/h                    |                         | 343,900                                 | 365,400                                 | 390,000                   | 407,100                   | 429,900                                 | 451,400                   |                     |
| Power                    | Power Input (Nominal)   | Cooling 1)                              | 23.59                                   | 25.75                     | 26.25                     | 28.35                                   | 30.38                     | 32.54               |
|                          |                         | Heating 2)                              | 22.60                                   | 25.40                     | 26.20                     | 28.20                                   | 27.80                     | 30.60               |
|                          | Current Input (Nominal) | Cooling 1)                              | 37.90                                   | 41.30                     | 42.10                     | 45.40                                   | 48.80                     | 52.20               |
|                          |                         | Heating 2)                              | 36.30                                   | 40.80                     | 42.00                     | 45.20                                   | 44.60                     | 49.10               |
| MCA                      |                         | 83.80 (MCA)                             | 86.90 (MCA)                             | 86.90 (MCA)               | 95.60 (MCA)               | 105.00 (MCA)                            | 108.10 (MCA)              |                     |
| MFA                      | A                       | 90.00                                   | 90.00                                   | 90.00                     | 100.00                    | 100.00                                  | 125.00                    |                     |
| COP                      | Nominal Cooling         | -                                       | 3.80                                    | 3.70                      | 3.87                      | 3.76                                    | 3.69                      | 3.61                |
|                          | Nominal Heating         | -                                       | 4.46                                    | 4.22                      | 4.36                      | 4.23                                    | 4.53                      | 4.32                |
|                          | ESEER (HP)              | -                                       | 6.80                                    | 6.64                      | 6.64                      | 6.52                                    | 6.56                      | 6.41                |
| Compressor               | Type                    | -                                       | SSC Scroll x 3                          | SSC Scroll x 3            | SSC Scroll x 3            | SSC Scroll x 4                          | SSC Scroll x 4            |                     |
|                          | Output                  | kW x n                                  | (6.13) + (6.13x2)                       | (6.13) + (6.13x2)         | (6.13) + (6.13x2)         | (4.96x2) + (6.13x2)                     | (6.13x2)x2                | (6.13x2) + (6.13x2) |
|                          | Model Name              | -                                       | DS-GB066FAVASG x 3                      | DS-GB066FAVASG x 3        | DS-GB066FAVASG x 3        | DS-GB052FAVASG x 2 + DS-GB066FAVASG x 2 | DS-GB066FAVASG x 4        | DS-GB066FAVASG x 4  |
| Oil                      | Type                    | -                                       | PVE                                     | PVE                       | PVE                       | PVE                                     | PVE                       |                     |
|                          | Initial Charge          | cc                                      | 6900                                    | 6900                      | 6900                      | 9200                                    | 9200                      |                     |
| Fan                      | Type                    | -                                       | Propeller                               | Propeller                 | Propeller                 | Propeller                               | Propeller                 |                     |
|                          | Output x n              | W                                       | 400 x 1 + 620 x 2                       | 400 x 1 + 620 x 2         | (620 x 2) x 2             | (620 x 2) x 2                           | (620 x 2) x 2             |                     |
|                          | Air Flow Rate           | CMM                                     | 190 + 275                               | 190 + 295                 | 260 + 295                 | 275 x 2                                 | 275 + 295                 |                     |
|                          |                         | ls                                      | 3,166.67 + 4,583.33                     | 3,166.67 + 4,916.67       | 4,333.33 + 4,916.67       | 4,333.33 + 4,916.67                     | 4,583.33 x 2              | 4,583.33 + 4,916.67 |
| External Static Pressure | mmAq                    | 8.00                                    | 8.00                                    | 8.00                      | 8.00                      | 8.00                                    | 8.00                      |                     |
|                          | Pa                      | 78.45                                   | 78.45                                   | 78.45                     | 78.45                     | 78.45                                   | 78.45                     |                     |
| Piping Connections       | Liquid Pipe             | φ, mm                                   | 19.05                                   | 19.05                     | 19.05                     | 19.05                                   | 19.05                     |                     |
|                          |                         | φ, inch                                 | 3/4"                                    | 3/4"                      | 3/4"                      | 3/4"                                    | 3/4"                      |                     |
|                          | Gas Pipe                | φ, mm                                   | 34.92                                   | 34.92                     | 41.28                     | 41.28                                   | 41.28                     |                     |
|                          |                         | φ, inch                                 | 1 3/8"                                  | 1 3/8"                    | 1 5/8"                    | 1 5/8"                                  | 1 5/8"                    |                     |
| Discharge Gas Pipe (HR)  | φ, mm                   | 28.58                                   | 28.58                                   | 34.92                     | 34.92                     | 34.92                                   |                           |                     |
|                          | φ, inch                 | 1 1/8"                                  | 1 1/8"                                  | 1 3/8"                    | 1 3/8"                    | 1 3/8"                                  |                           |                     |
| Installation Limitation  | Max. Length             | m                                       | 200(220)                                | 200(220)                  | 200(220)                  | 200(220)                                | 200(220)                  |                     |
|                          | Max. Height             | m                                       | 110(40)                                 | 110(40)                   | 110(40)                   | 110(40)                                 | 110(40)                   |                     |
| Field Wiring             | Power Source Wire       | mm2                                     | -                                       | -                         | -                         | -                                       | -                         |                     |
|                          | Transmission Cable      | mm2                                     | 0.75 ~ 1.5                              | 0.75 ~ 1.5                | 0.75 ~ 1.5                | 0.75 ~ 1.5                              | 0.75 ~ 1.5                |                     |
| Refrigerant              | Type                    | -                                       | R410A                                   | R410A                     | R410A                     | R410A                                   | R410A                     |                     |
|                          | Factory Charging        | kg                                      | 13.90                                   | 13.90                     | 16.10                     | 15.80                                   | 16.80                     |                     |
| Sound                    | Sound Pressure          | dB(A)                                   | -                                       | -                         | -                         | -                                       | -                         |                     |
|                          | Sound Power             | dB(A)                                   | -                                       | -                         | -                         | -                                       | -                         |                     |
| External Dimension       | Net Weight              | DVMS HP                                 | 190.0 + 300.0                           | 190.0 + 300.0             | 235.0 + 300.0             | 278.0 + 300.0                           | 300.0 x 2                 |                     |
|                          |                         | DVMS HR                                 | 195.0 + 306.0                           | 195.0 + 306.0             | 241.0 + 306.0             | 284.0 + 306.0                           | 306.0 x 2                 |                     |
|                          | Shipping Weight         | DVMS HP                                 | 206.0 + 319.0                           | 206.0 + 319.0             | 254.0 + 319.0             | 297.0 + 319.0                           | 319.0 x 2                 |                     |
|                          |                         | DVMS HR                                 | 211.0 + 325.0                           | 211.0 + 325.0             | 260.0 + 325.0             | 303.0 + 325.0                           | 325.0 x 2                 |                     |
| Net Dimensions (WxHxD)   | mm                      | 880 x 1,695 x 765 + 1,295 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) x 2 | (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 2               | (1,295 x 1,695 x 765) x 2 |                     |
|                          | mm                      | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 2               | (1,363 x 1,857 x 832) x 2 |                     |
| Operating Temp. Range    | Cooling (HP)            | *C                                      | -5.0 ~ 48.0                             | -5.0 ~ 48.0               | -5.0 ~ 48.0               | -5.0 ~ 48.0                             | -5.0 ~ 48.0               |                     |
|                          | Heating                 | *C                                      | -20.0 ~ 24.0                            | -20.0 ~ 24.0              | -20.0 ~ 24.0              | -20.0 ~ 24.0                            | -20.0 ~ 24.0              |                     |

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\* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVMS HP / HR

| Model Name               | DVMS HP                 | AM440FXVAGH    | AM460FXVAGH               | AM480FXVAGH                                   | AM500FXVAGH                                   | AM520FXVAGH                                   | AM540FXVAGH                                   |   |         |
|--------------------------|-------------------------|----------------|---------------------------|---|---|---|---|---|---------|
| Power Supply             | DVMS HR                 | AM440FXVAGR    | AM460FXVAGR               | AM480FXVAGR                                   | AM500FXVAGR                                   | AM520FXVAGR                                   | AM540FXVAGR                                   |   |         |
| Power Supply             | 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                                |   |         |
| Mode                     |                         | HEAT PUMP      | HEAT PUMP                 | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     |   |         |
| Performance              | HP                      | 44.00          | 46.00                     | 48.00   | 50.00   | 52.00   | 54.00   |   |         |
|                          |                         | kW             | 123.20                    | 128.80  | 135.20  | 140.20  | 145.60  | 151.20  |         |
|                          | Capacity (Nominal)      | Cooling        | Btu/h                     | 420,400                                       | 439,500                                       | 461,300                                       | 478,400                                       | 496,800                                       | 515,900 |
|                          |                         | Heating        | kW                        | 138.60  | 144.90  | 152.10  | 157.10  | 163.80  | 170.10  |
| Power                    | Power Input (Nominal)   | Cooling 1)     | kW                        | 34.70   | 34.15   | 34.65   | 36.75   | 36.63   | 40.94   |
|                          |                         | Heating 2)     | kW                        | 33.40   | 34.10   | 34.90   | 36.90   | 37.30   | 39.30   |
|                          | Current Input (Nominal) | Cooling 1)     | A                         | 55.60   | 54.80   | 55.60   | 58.90   | 62.00   | 65.70   |
|                          |                         | Heating 2)     | A                         | 53.60   | 54.80   | 56.00   | 59.20   | 59.90   | 63.10   |
|                          | MCA                     |                | 111.20 (MCA)              | 118.20 (MCA)                                  | 118.20 (MCA)                                  | 126.90 (MCA)                                  | 135.80 (MCA)                                  | 139.40 (MCA)                                  |         |
|                          | MFA                     | A              | 125.00                    | 125.00  | 125.00  | 125.00  | 125.00  | 150.00  |         |
| COP                      | Nominal Cooling         | -              | 3.55                      | 3.77  | 3.90  | 3.81  | 3.77  | 3.69  |         |
|                          | Nominal Heating         | -              | 4.15                      | 4.25  | 4.36  | 4.26  | 4.39  | 4.33  |         |
|                          | ESEER (HP)              | -              | 6.25                      | 6.77  | 6.77  | 6.69  | 6.62  | 6.61  |         |
|                          | Type                    | -              | SSC Scroll x 4            | SSC Scroll x 4                                | SSC Scroll x 4                                | SSC Scroll x 5                                | SSC Scroll x 5                                | SSC Scroll x 5                                |         |
| Compressor               | Output                  | kW x n         | (6.13x2)x2                | (6.13x2) + (6.13x2)                           | (6.13) + (6.13) + (6.13x2)                    | (6.13) + (4.96x2) + (6.13x2)                  | (6.13) + (6.13x2) + (6.13x2)                  | (6.13) + (6.13x2) + (6.13x2)                  |         |
|                          | Model Name              | -              | DS-GB066FAVASG x 4        | DS-GB066FAVASG x 4                            | DS-GB066FAVASG x 4                            | DS-GB066FAVASG x 3 + DS-GB062FAVASG x 2       | DS-GB066FAVASG x 5                            | DS-GB066FAVASG x 5                            |         |
| Oil                      | Type                    | -              | PVE                       | PVE   | PVE   | PVE   | PVE   |   |         |
|                          | Initial Charge          | cc             | 9200                      | 9200  | 11500   | 11500   | 11500   |   |         |
| Fan                      | Type                    | -              | Propeller                 | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     |   |         |
|                          | Output x n              | W              | (620 x 2) x 2             | (400 x 1) x 2 + (620 x 2) x 2                 | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 2                       |   |         |
|                          | Air Flow Rate           | CMM            | 295 x 2                   | 190 x 2 + 295                                 | 190 + 260 + 295                               | 190 + 260 + 295                               | 190 + 270 + 295                               | 190 + 275 + 295                               |         |
|                          |                         | Us             | 4,916.67 x 2              | 3,166.67 x 2 + 4,916.67                       | 3,166.67 + 4,333.33 + 4,916.67                | 3,166.67 + 4,333.33 + 4,916.67                | 3,166.67 + 4,500.00 + 4,916.67                | 3,166.67 + 4,583.33 + 4,916.67                |         |
| External Static Pressure | Max.                    | mmAq           | 8.00                      | 8.00  | 8.00  | 8.00  | 8.00  |   |         |
|                          | Pa                      | 78.45          | 78.45                     | 78.45   | 78.45   | 78.45   | 78.45   |   |         |
| Piping Connections       | Liquid Pipe             | φ, mm          | 19.05                     | 19.05   | 19.05   | 19.05   | 19.05   |   |         |
|                          |                         | φ, inch        | 3/4"                      | 3/4"  | 3/4"  | 3/4"  | 3/4"  |   |         |
|                          | Gas Pipe                | φ, mm          | 41.28                     | 41.28   | 41.28   | 41.28   | 41.28   |   |         |
|                          |                         | φ, inch        | 1 5/8"                    | 1 5/8"  | 1 5/8"  | 1 5/8"  | 1 5/8"  |   |         |
|                          | Discharge Gas Pipe (HR) | φ, mm          | 34.92                     | 34.92   | 34.92   | 34.92   | 34.92   |   |         |
|                          |                         | φ, inch        | 1 3/8"                    | 1 3/8"  | 1 3/8"  | 1 3/8"  | 1 3/8"  |   |         |
| Installation Limitation  | Max. Length             | m              | 200(220)                  | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      |   |         |
|                          | Max. Height             | m              | 110(40)                   | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       |   |         |
| Field Wiring             | Power Source Wire       | mm2            | -                         | -   | -   | -   | -   |   |         |
|                          | Transmission Cable      | mm2            | 0.75 ~ 1.5                | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    |   |         |
| Refrigerant              | Type                    | -              | R410A                     | R410A   | R410A   | R410A   | R410A   |   |         |
|                          | Factory Charging        | kg             | 16.80                     | 19.40   | 21.60   | 21.30   | 22.60   |   |         |
| Sound                    | Sound Pressure          | dB(A)          | -                         | -   | -   | -   | -   |   |         |
|                          | Sound Power             | dB(A)          | -                         | -   | -   | -   | -   |   |         |
| External Dimension       | Net Weight              | DVMS HP        | kg                        | 300.0 x 2                                     | 190.0 x 2 + 300.0                             | 190.0 + 235.0 + 300.0                         | 190.0 + 278.0 + 300.0                         | 190.0 + 300.0 x 2                             |         |
|                          |                         | DVMS HR        | kg                        | 306.0 x 2                                     | 195.0 x 2 + 306.0                             | 195.0 + 241.0 + 306.0                         | 195.0 + 284.0 + 306.0                         | 195.0 + 306.0 x 2                             |         |
|                          | Shipping Weight         | DVMS HP        | kg                        | 319.0 x 2                                     | 206.0 x 2 + 319.0                             | 206.0 + 254.0 + 319.0                         | 206.0 + 297.0 + 319.0                         | 206.0 + 319.0 x 2                             |         |
|                          |                         | DVMS HR        | kg                        | 325.0 x 2                                     | 211.0 x 2 + 325.0                             | 211.0 + 260.0 + 325.0                         | 211.0 + 303.0 + 325.0                         | 211.0 + 325.0 x 2                             |         |
|                          | Net Dimensions (WxHxD)  | mm             | (1,295 x 1,695 x 765) x 2 | (880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 |         |
|                          |                         | mm             | (1,363 x 1,857 x 832) x 2 | (948 x 1,857 x 832) x 2 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 |         |
| Operating Temp. Range    | Cooling (HP)            | °C             | -5.0 ~ 48.0               | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   |   |         |
|                          | Heating                 | °C             | -20.0 ~ 24.0              | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  |   |         |

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# DVMS Specification - Outdoor Units



## DVMS

DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
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- New Communication Protocol

### DVMS HP / HR

| Model Name               | DVMS HP                 | AM560FXVAGH                                   | AM580FXVAGH               | AM600FXVAGH               | AM620FXVAGH                             | AM640FXVAGH               | AM660FXVAGH               |                    |
|--------------------------|-------------------------|---|---------------------------|---------------------------|---|---------------------------|---------------------------|--------------------|
| Power Supply             | 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            |                    |
| Mode                     |                         | HEAT PUMP                                     | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP                               | HEAT PUMP                 | HEAT PUMP                 |                    |
| Performance              | HP                      | 56.00   | 58.00                     | 60.00                     | 62.00                                   | 64.00                     | 66.00                     |                    |
|                          | Cooling                 | kW  | 156.80                    | 163.20                    | 168.20                                  | 173.60                    | 179.20                    | 184.80             |
|                          |                         | Btu/h   | 535,000                   | 556,900                   | 573,900                                 | 592,300                   | 611,500                   | 630,900            |
|                          | Heating                 | kW  | 176.40                    | 183.60                    | 188.60                                  | 195.30                    | 201.60                    | 207.90             |
| Btu/h                    |                         | 601,900                                       | 626,500                   | 643,500                   | 666,400                                 | 687,900                   | 709,400                   |                    |
| Power                    | Power Input (Nominal)   | Cooling 1)                                    | 43.10                     | 43.60                     | 45.70                                   | 47.73                     | 49.89                     | 52.05              |
|                          |                         | Heating 2)                                    | 42.10                     | 42.90                     | 44.90                                   | 44.50                     | 47.30                     | 50.10              |
|                          | Current Input (Nominal) | Cooling 1)                                    | 69.10                     | 69.90                     | 73.20                                   | 76.60                     | 80.00                     | 83.40              |
|                          |                         | Heating 2)                                    | 67.60                     | 68.80                     | 72.00                                   | 71.40                     | 75.90                     | 80.40              |
|                          | MCA                     | 142.50 (MCA)                                  | 142.50 (MCA)              | 151.20 (MCA)              | 160.60 (MCA)                            | 163.70 (MCA)              | 166.80 (MCA)              |                    |
| MFA                      | A                       | 150.00  | 150.00                    | 150.00                    | 200.00                                  | 200.00                    | 200.00                    |                    |
| COP                      | Nominal Cooling         | -   | 3.64                      | 3.74                      | 3.64                                    | 3.59                      | 3.55                      |                    |
|                          | Nominal Heating         | -   | 4.19                      | 4.28                      | 4.20                                    | 4.39                      | 4.26                      |                    |
|                          | ESEER (HP)              | -   | 6.51                      | 6.43                      | 6.46                                    | 6.35                      | 6.25                      |                    |
| Compressor               | Type                    | -   | SSC Scroll x 5            | SSC Scroll x 5            | SSC Scroll x 6                          | SSC Scroll x 6            | SSC Scroll x 6            |                    |
|                          | Output                  | kW x n  | (6.13) + (6.13x2)x2       | (6.13) + (6.13x2)x2       | (4.96x2) + (6.13x2)x2                   | (6.13x2)x2 + (6.13x2)     | (6.13x2)x2 + (6.13x2)x2   | (6.13x2)x3         |
|                          | Model Name              | -   | DS-GB066FAVASG x 5        | DS-GB066FAVASG x 5        | DS-GB052FAVASG x 2 + DS-GB066FAVASG x 4 | DS-GB066FAVASG x 6        | DS-GB066FAVASG x 6        | DS-GB066FAVASG x 6 |
| Oil                      | Type                    | -   | PVE                       | PVE                       | PVE                                     | PVE                       | PVE                       |                    |
|                          | Initial Charge          | cc  | 11500                     | 11500                     | 13800                                   | 13800                     | 13800                     |                    |
| Fan                      | Type                    | -   | Propeller                 | Propeller                 | Propeller                               | Propeller                 | Propeller                 |                    |
|                          | Output x n              | W   | 400 x 1 + (620 x 2) x 2   | (620 x 2) x 3             | (620 x 2) x 3                           | (620 x 2) x 3             | (620 x 2) x 3             |                    |
|                          | Air Flow Rate           | CMM   | 190 + 295 x 2             | 260 + 295 x 2             | 260 + 295 x 2                           | 275 x 2 + 295             | 275 + 295 x 2             | 295 x 3            |
|                          |                         | ls  | 3,166.67 + 4,916.67 x 2   | 4,333.33 + 4,916.67 x 2   | 4,333.33 + 4,916.67 x 2                 | 4,583.33 x 2 + 4,916.67   | 4,583.33 + 4,916.67 x 2   | 4,916.67 x 3       |
| External Static Pressure | mmAq                    | 8.00  | 8.00                      | 8.00                      | 8.00                                    | 8.00                      | 8.00                      |                    |
|                          | Pa                      | 78.45   | 78.45                     | 78.45                     | 78.45                                   | 78.45                     | 78.45                     |                    |
| Piping Connections       | Liquid Pipe             | φ, mm   | 19.05                     | 19.05                     | 22.22                                   | 22.22                     | 22.22                     |                    |
|                          |                         | φ, inch                                       | 3/4"                      | 3/4"                      | 3/4"                                    | 7/8"                      | 7/8"                      |                    |
|                          | Gas Pipe                | φ, mm   | 41.28                     | 41.28                     | 53.98                                   | 53.98                     | 53.98                     |                    |
|                          |                         | φ, inch                                       | 1.58"                     | 1.58"                     | 2.18"                                   | 2.18"                     | 2.18"                     |                    |
|                          | Discharge Gas Pipe (HR) | φ, mm   | 34.92                     | 34.92                     | 41.28                                   | 41.28                     | 41.28                     |                    |
|                          |                         | φ, inch                                       | 1.38"                     | 1.38"                     | 1.58"                                   | 1.58"                     | 1.58"                     |                    |
| Installation Limitation  | Max. Length             | m   | 200(220)                  | 200(220)                  | 200(220)                                | 200(220)                  | 200(220)                  |                    |
|                          | Max. Height             | m   | 110(40)                   | 110(40)                   | 110(40)                                 | 110(40)                   | 110(40)                   |                    |
| Field Wiring             | Power Source Wire       | mm2   | -                         | -                         | -                                       | -                         | -                         |                    |
|                          | Transmission Cable      | mm2   | 0.75 ~ 1.5                | 0.75 ~ 1.5                | 0.75 ~ 1.5                              | 0.75 ~ 1.5                | 0.75 ~ 1.5                |                    |
| Refrigerant              | Type                    | -   | R410A                     | R410A                     | R410A                                   | R410A                     | R410A                     |                    |
|                          | Factory Charging        | kg  | 22.30                     | 24.50                     | 24.20                                   | 25.20                     | 25.20                     |                    |
| Sound                    | Sound Pressure          | dB(A)   | -                         | -                         | -                                       | -                         | -                         |                    |
|                          | Sound Power             | dB(A)   | -                         | -                         | -                                       | -                         | -                         |                    |
| External Dimension       | Net Weight              | DVMS HP                                       | 190.0 + 300.0 x 2         | 235.0 + 300.0 x 2         | 278.0 + 300.0 x 2                       | 300.0 x 3                 | 300.0 x 3                 |                    |
|                          |                         | DVMS HR                                       | 195.0 + 306.0 x 2         | 241.0 + 306.0 x 2         | 284.0 + 306.0 x 2                       | 306.0 x 3                 | 306.0 x 3                 |                    |
|                          | Shipping Weight         | DVMS HP                                       | 206.0 + 319.0 x 2         | 254.0 + 319.0 x 2         | 297.0 + 319.0 x 2                       | 319.0 x 3                 | 319.0 x 3                 |                    |
|                          |                         | DVMS HR                                       | 211.0 + 325.0 x 2         | 260.0 + 325.0 x 2         | 303.0 + 325.0 x 2                       | 325.0 x 3                 | 325.0 x 3                 |                    |
| Net Dimensions (WxHxD)   | mm                      | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3               | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 |                    |
|                          | mm                      | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3               | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3 |                    |
| Operating Temp. Range    | Cooling (HP)            | *C  | -5.0 ~ 48.0               | -5.0 ~ 48.0               | -5.0 ~ 48.0                             | -5.0 ~ 48.0               | -5.0 ~ 48.0               |                    |
|                          | Heating                 | *C  | -20.0 ~ 24.0              | -20.0 ~ 24.0              | -20.0 ~ 24.0                            | -20.0 ~ 24.0              | -20.0 ~ 24.0              |                    |

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## DVMS

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### DVMS HP / HR

| Model Name            | DVMS HP                | AM680FXVAGH              | AM700FXVAGH   | AM720FXVAGH                                   | AM740FXVAGH                                   | AM760FXVAGH                                   | AM780FXVAGH                                   | AM800FXVAGH               |                         |               |
|-----------------------|------------------------|--------------------------|---|---|---|---|---|---------------------------|-------------------------|---------------|
| Power Supply          | DVMS HR                | AM680FXVAGR              | AM700FXVAGR   | AM720FXVAGR                                   | AM740FXVAGR                                   | AM760FXVAGR                                   | AM780FXVAGR                                   | AM800FXVAGR               |                         |               |
| Mode                  | HP                     | HEAT PUMP                | HEAT PUMP   | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                 |                         |               |
| Performance           | Cooling                | Capacity (Nominal)       | 70.00   | 72.00   | 74.00   | 76.00   | 78.00   | 80.00                     |                         |               |
|                       |                        | Btu/h                    | 240,000   | 246,000                                       | 253,000                                       | 260,000                                       | 267,000                                       | 274,000                   | 281,000                 |               |
|                       | Heating                | Capacity (Nominal)       | 190.40  | 201.80  | 207.20  | 212.80  | 218.40  | 224.00                    | 229.60                  |               |
|                       |                        | Btu/h                    | 649,700   | 671,500                                       | 707,000                                       | 726,100                                       | 745,200                                       | 764,300                   | 783,400                 |               |
| Power                 | Cooling 1)             | Power Input (Nominal)    | 51.50   | 52.00   | 54.10   | 55.98   | 58.29   | 60.45                     | 62.90                   |               |
|                       |                        | Heating 2)               | 50.80   | 51.60   | 53.60   | 54.00   | 56.00   | 58.80                     | 59.60                   |               |
|                       | Heating 1)             | Current Input (Nominal)  | 82.60   | 83.40   | 86.70   | 89.80   | 93.50   | 96.90                     | 97.70                   |               |
|                       |                        | Heating 2)               | 81.60   | 82.80   | 86.00   | 86.70   | 89.90   | 94.40                     | 95.60                   |               |
| COP                   | Nominal Cooling        | MCA                      | 173.80 (MCA)  | 173.80 (MCA)                                  | 182.50 (MCA)                                  | 191.40 (MCA)                                  | 195.00 (MCA)                                  | 198.10 (MCA)              | 198.10 (MCA)            |               |
|                       |                        | MFA                      | 200.00  | 200.00  | 200.00  | 200.00  | 200.00  | 200.00                    | 200.00                  |               |
| Compressor            | Type                   | Output                   | SSC Scroll x 6                                      | SSC Scroll x 6                                | SSC Scroll x 7                                | SSC Scroll x 7                                | SSC Scroll x 7                                | SSC Scroll x 7            |                         |               |
|                       |                        | Model Name               | DS-GB066FAVAG x 6                                   | DS-GB066FAVAG x 6                             | DS-GB066FAVAG x 5 + DS-GB052FAVAG x 2         | DS-GB066FAVAG x 7                             | DS-GB066FAVAG x 7                             | DS-GB066FAVAG x 7         | DS-GB066FAVAG x 7       |               |
|                       |                        | Oil                      | PVE   | PVE   | PVE   | PVE   | PVE   | PVE                       | PVE                     |               |
| Fan                   | Type                   | Initial Charge           | 13800   | 13800   | 16100   | 16100   | 16100   | 16100                     |                         |               |
|                       |                        | Output x n               | Propeller   | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                 | Propeller               |               |
|                       |                        | Air Flow Rate            | W   | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3   | 400 x 1 + (620 x 2) x 3 | 620 x 2 x 4   |
|                       |                        | External Static Pressure | CMM   | 190 x 2 + 295 x 2                             | 190 + 260 + 295 x 2                           | 190 + 270 + 295 x 2                           | 190 + 270 + 295 x 2                           | 190 + 270 + 295 x 2       | 190 + 270 + 295 x 2     | 260 + 295 x 3 |
| Piping Connections    | Liquid Pipe            | Max.                     | 3,166.67 x 2 + 4,916.67 x 2                         | 3,166.67 + 4,333.33 + 4,916.67 x 2            | 3,166.67 + 4,333.33 + 4,916.67 x 2            | 3,166.67 + 4,500.00 + 4,916.67 x 2            | 3,166.67 + 4,583.33 + 4,916.67 x 2            | 3,166.67 + 4,916.67 x 3   | 4,333.33 + 4,916.67 x 3 |               |
|                       |                        | mmAq                     | 8.00  | 8.00  | 8.00  | 8.00  | 8.00  | 8.00                      | 8.00                    |               |
|                       |                        | Pa                       | 78.45   | 78.45   | 78.45   | 78.45   | 78.45   | 78.45                     | 78.45                   |               |
|                       |                        | Gas Pipe                 | mm  | 22.22   | 22.22   | 22.22   | 22.22   | 22.22                     | 22.22                   | 22.22         |
| Field Wiring          | Type                   | inch                     | 7/8"  | 7/8"  | 7/8"  | 7/8"  | 7/8"  | 7/8"                      |                         |               |
|                       |                        | inch                     | 53.98   | 53.98   | 53.98   | 53.98   | 53.98   | 53.98                     |                         |               |
|                       |                        | inch                     | 2 1/8"  | 2 1/8"  | 2 1/8"  | 2 1/8"  | 2 1/8"  | 2 1/8"                    |                         |               |
|                       |                        | inch                     | 41.28   | 41.28   | 41.28   | 41.28   | 41.28   | 41.28                     |                         |               |
| Refrigerant           | Type                   | inch                     | 1 5/8"  | 1 5/8"  | 1 5/8"  | 1 5/8"  | 1 5/8"  | 1 5/8"                    |                         |               |
|                       |                        | mm                       | 200(220)  | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                  |                         |               |
| Sound                 | Max. Height            | mm                       | 110(40)   | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                   |                         |               |
|                       |                        | mm2                      | -   | -   | -   | -   | -   | -                         |                         |               |
| External Dimension    | Transmission Cable     | mm2                      | 0.75 ~ 1.5  | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                |                         |               |
|                       |                        | Type                     | -   | -   | -   | -   | -   | -                         |                         |               |
| Operating Temp. Range | Factory Charging       | kg                       | R410A   | R410A   | R410A   | R410A   | R410A   | R410A                     |                         |               |
|                       |                        | kg                       | 27.80   | 30.00   | 29.70   | 31.00   | 30.70   | 32.90                     |                         |               |
| Sound                 | Sound Pressure         | dB(A)                    | -   | -   | -   | -   | -   | -                         |                         |               |
|                       |                        | dB(A)                    | -   | -   | -   | -   | -   | -                         |                         |               |
| External Dimension    | Net Weight             | DVMS HP                  | 190.0 x 2 + 300.0 x 2                               | 190.0 + 235.0 + 300.0 x 2                     | 190.0 + 278.0 + 300.0 x 2                     | 190.0 + 300.0 x 3                             | 190.0 + 300.0 x 3                             | 235.0 + 300.0 x 3         |                         |               |
|                       |                        | DVMS HR                  | 195.0 x 2 + 306.0 x 2                               | 195.0 + 241.0 + 306.0 x 2                     | 195.0 + 284.0 + 306.0 x 2                     | 195.0 + 306.0 x 3                             | 195.0 + 306.0 x 3                             | 241.0 + 306.0 x 3         |                         |               |
|                       |                        | DVMS HP                  | 206.0 x 2 + 319.0 x 2                               | 206.0 + 254.0 + 319.0 x 2                     | 206.0 + 297.0 + 319.0 x 2                     | 206.0 + 319.0 x 3                             | 206.0 + 319.0 x 3                             | 254.0 + 319.0 x 3         |                         |               |
|                       |                        | DVMS HR                  | 211.0 x 2 + 325.0 x 2                               | 211.0 + 260.0 + 325.0 x 2                     | 211.0 + 303.0 + 325.0 x 2                     | 211.0 + 325.0 x 3                             | 211.0 + 325.0 x 3                             | 260.0 + 325.0 x 3         |                         |               |
| Shipping Dimension    | Net Dimensions (WxHxD) | mm                       | (880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 4 |                         |               |
|                       |                        | mm                       | (948 x 1,857 x 832) x 2 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | (1,295 x 1,857 x 832) x 4 |                         |               |
| Operating Temp. Range | Cooling (HP)           | °C                       | -5.0 ~ -48.0  | -5.0 ~ -48.0                                  | -5.0 ~ -48.0                                  | -5.0 ~ -48.0                                  | -5.0 ~ -48.0                                  | -5.0 ~ -48.0              |                         |               |
|                       |                        | °C                       | -20.0 ~ -24.0                                       | -20.0 ~ -24.0                                 | -20.0 ~ -24.0                                 | -20.0 ~ -24.0                                 | -20.0 ~ -24.0                                 | -20.0 ~ -24.0             |                         |               |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

\* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.