

# 2 Specifications

## HSP Duct

| Type                     |                       |                             |                      | HSP Duct               |                              | HSP Duct               |                              |                       |  |
|--------------------------|-----------------------|-----------------------------|----------------------|------------------------|------------------------------|------------------------|------------------------------|-----------------------|--|
| Model Name               |                       | Indoor Unit                 |                      | AC200KNHPKH/EU         |                              | AC250KNHPKH/EU         |                              |                       |  |
|                          |                       | Outdoor Unit                |                      | AC200KXAPHN/EU         |                              | AC250KXAPHN/EU         |                              |                       |  |
| System                   | Mode                  |                             | -                    | Heat Pump              |                              | Heat Pump              |                              |                       |  |
|                          | Capacity              | Cooling(Min/Std/Max)        |                      | kW                     | 7.50 / 20.00 / 23.00         |                        | 9.00 / 25.00 / 28.50         |                       |  |
|                          |                       |                             |                      | Btu/h                  | 25,600 / 68,200 / 78,500     |                        | 30,700 / 85,300 / 97,200     |                       |  |
|                          |                       | Heating(Min/Std/Max)        |                      | kW                     | 8.50 / 23.00 / 25.00         |                        | 10.00 / 27.00 / 32.00        |                       |  |
|                          |                       |                             |                      | Btu/h                  | 29,000 / 78,500 / 85,300     |                        | 34,100 / 92,100 / 109,200    |                       |  |
|                          | Power                 | Power Input (Nominal)       | Cooling(Min/Std/Max) | kW                     | 2.10 / 6.45 / 8.00           |                        | 2.60 / 9.58 / 12.00          |                       |  |
|                          |                       |                             | Heating(Min/Std/Max) |                        | 2.10 / 6.66 / 9.80           |                        | 2.50 / 8.33 / 13.50          |                       |  |
|                          |                       | Current Input (Nominal)     | Cooling(Min/Std/Max) | A                      | 3.80 / 10.00 / 12.30         |                        | 4.70 / 14.90 / 18.40         |                       |  |
|                          |                       |                             | Heating(Min/Std/Max) |                        | 3.80 / 10.30 / 16.00         |                        | 4.50 / 12.90 / 22.00         |                       |  |
|                          |                       | MCA                         |                      | A                      | 25.00 (MCA)                  |                        | 25.00 (MCA)                  |                       |  |
|                          |                       | MFA                         |                      | A                      | 31.25                        |                        | 31.25                        |                       |  |
|                          | Energy Efficiency     | EER (Nominal Cooling)       |                      | -                      | 3.10                         |                        | 2.61                         |                       |  |
|                          |                       | COP (Nominal Heating)       |                      | -                      | 3.45                         |                        | 3.24                         |                       |  |
|                          |                       | Energy Grade                |                      | -                      | -                            |                        | -                            |                       |  |
|                          |                       |                             |                      | -                      | -                            |                        | -                            |                       |  |
|                          | Piping Connections    | Liquid Pipe                 |                      | Ø, mm                  | 9.52                         |                        | 9.52                         |                       |  |
|                          |                       |                             |                      | Ø, inch                | 3/8"                         |                        | 3/8"                         |                       |  |
|                          |                       | Gas Pipe                    |                      | Ø, mm                  | 19.05                        |                        | 22.22                        |                       |  |
|                          |                       |                             |                      | Ø, inch                | 3/4"                         |                        | 7/8"                         |                       |  |
|                          |                       | Installation Limitation     | Max. Length          | m                      | 75 (75)                      |                        | 75 (75)                      |                       |  |
|                          |                       |                             | Max. Height          | m                      | 30 (30)                      |                        | 30 (30)                      |                       |  |
|                          | Field Wiring          | Power Source Wire           |                      | Ø, mm                  | -                            |                        | -                            |                       |  |
|                          |                       | Transmission Cable          |                      | Ø, mm                  | -                            |                        | -                            |                       |  |
|                          | Refrigerant           | Type                        |                      | -                      | R410A                        |                        | R410A                        |                       |  |
|                          |                       | Control Method              |                      | -                      | -                            |                        | -                            |                       |  |
|                          |                       | Factory Charging            |                      | kg / tCO2e             | 6.60 / 13.78                 |                        | 6.60 / 13.78                 |                       |  |
|                          | Indoor Unit           | Power Supply                |                      |                        | Ø, #, V, Hz                  | 1,2,220-240,50         |                              | 1,2,220-240,50        |  |
|                          |                       | Fan                         | Type                 |                        | -                            | Sirocco Fan            |                              | Sirocco Fan           |  |
|                          |                       |                             | Motor                | Output                 | W                            | 630 x 2                |                              | 630 x 2               |  |
|                          |                       |                             |                      |                        | CMM                          | 72.00 / 62.00 / 48.00  |                              | 80.00 / 64.00 / 51.00 |  |
| Air Flow Rate            |                       |                             | High/Mid/Low         | l/s                    | 1,200.00 / 1,000.00 / 800.00 |                        | 1,333.33 / 1,066.67 / 850.00 |                       |  |
| External Static Pressure |                       |                             | Min/Std/Max          | mmAq                   | 5.00 / 7.34 / 20.00          |                        | 5.00 / 7.34 / 20.00          |                       |  |
|                          |                       | Pa                          |                      | 49.00 / 71.95 / 196.00 |                              | 49.00 / 71.95 / 196.00 |                              |                       |  |
| Drain                    |                       | Drain Pipe                  |                      | Ø,mm                   | VP25 (OD 32,ID 25)           |                        | VP25 (OD 32,ID 25)           |                       |  |
| Sound                    |                       | Pressure                    | High/Mid/Low         | dB(A)                  | 44 / 40 / 36                 |                        | 47 / 42 / 37                 |                       |  |
|                          |                       | Power                       | Cooling              |                        | 70                           |                        | 72                           |                       |  |
| External Dimension       |                       | Net Weight                  |                      | kg                     | 82.50                        |                        | 82.50                        |                       |  |
|                          |                       | Shipping Weight             |                      | kg                     | 92.00                        |                        | 92.00                        |                       |  |
|                          |                       | Net Dimensions (WxHxD)      |                      | mm                     | 1,350 x 450 x 910            |                        | 1,350 x 450 x 910            |                       |  |
|                          |                       | Shipping Dimensions (WxHxD) |                      | mm                     | 1,612 x 519 x 984            |                        | 1,612 x 519 x 984            |                       |  |
| Panel Size               |                       | Panel model                 |                      | -                      | -                            |                        | -                            |                       |  |
|                          |                       | Panel Net Weight            |                      | kg                     | -                            |                        | -                            |                       |  |
|                          |                       | Shipping Weight             |                      | kg                     | -                            |                        | -                            |                       |  |
|                          |                       | Net Dimensions (WxHxD)      |                      | mm                     | -                            |                        | -                            |                       |  |
|                          |                       | Shipping Dimensions (WxHxD) |                      | mm                     | -                            |                        | -                            |                       |  |
| Additional Accessories   |                       | Drain pump                  | Drain pump           | -                      | MDP-G075SP                   |                        | MDP-G075SP                   |                       |  |
|                          |                       |                             | Max. Lifting         | mm/liter/h             | -                            |                        | -                            |                       |  |
|                          |                       | Air Filter                  |                      | -                      | -                            |                        | -                            |                       |  |
| Outdoor Unit             |                       | Power Supply                |                      |                        | Ø, #, V, Hz                  | 3,4,380-415,50         |                              | 3,4,380-415,50        |  |
|                          | Compressor            | Type                        |                      | -                      | BLDC Scroll                  |                        | BLDC Scroll                  |                       |  |
|                          |                       | Model                       |                      | -                      | DS-GB066FAVB                 |                        | DS-GB066FAVB                 |                       |  |
|                          |                       | Output                      |                      | kW                     | 6.39                         |                        | 6.39                         |                       |  |
|                          |                       | Oil                         | Type                 | -                      | PVE                          |                        | PVE                          |                       |  |
|                          | Fan                   | Air Flow Rate               | Cooling              | CMM                    | 200.00                       |                        | 200.00                       |                       |  |
|                          |                       |                             |                      | l/s                    | 3,333.33                     |                        | 3,333.33                     |                       |  |
|                          | Sound                 | Pressure                    | Cooling/Heating      | dB(A)                  | 58 / 60                      |                        | 59 / 61                      |                       |  |
|                          |                       |                             | Cooling              |                        | 75                           |                        | 77                           |                       |  |
|                          | External Dimension    | Net Weight                  |                      | kg                     | 154.00                       |                        | 154.00                       |                       |  |
|                          |                       | Shipping Weight             |                      | kg                     | 167.00                       |                        | 167.00                       |                       |  |
|                          |                       | Net Dimensions (WxHxD)      |                      | mm                     | 940 x 1,630 x 460            |                        | 940 x 1,630 x 460            |                       |  |
|                          |                       | Shipping Dimensions (WxHxD) |                      | mm                     | 1,020 x 1,820 x 575          |                        | 1,020 x 1,820 x 575          |                       |  |
|                          | Operating Temp. Range | Cooling                     |                      | °C                     | -20.0 ~ 50.0                 |                        | -20.0 ~ 50.0                 |                       |  |
|                          |                       | Heating                     |                      | °C                     | -20.0 ~ 24.0                 |                        | -20.0 ~ 24.0                 |                       |  |

\* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 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 : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

# 4 Dimensional drawing

## Indoor : HSP Duct

AC200KNHPKH/EU, AC250KNHPKH/EU

Units : mm / inches

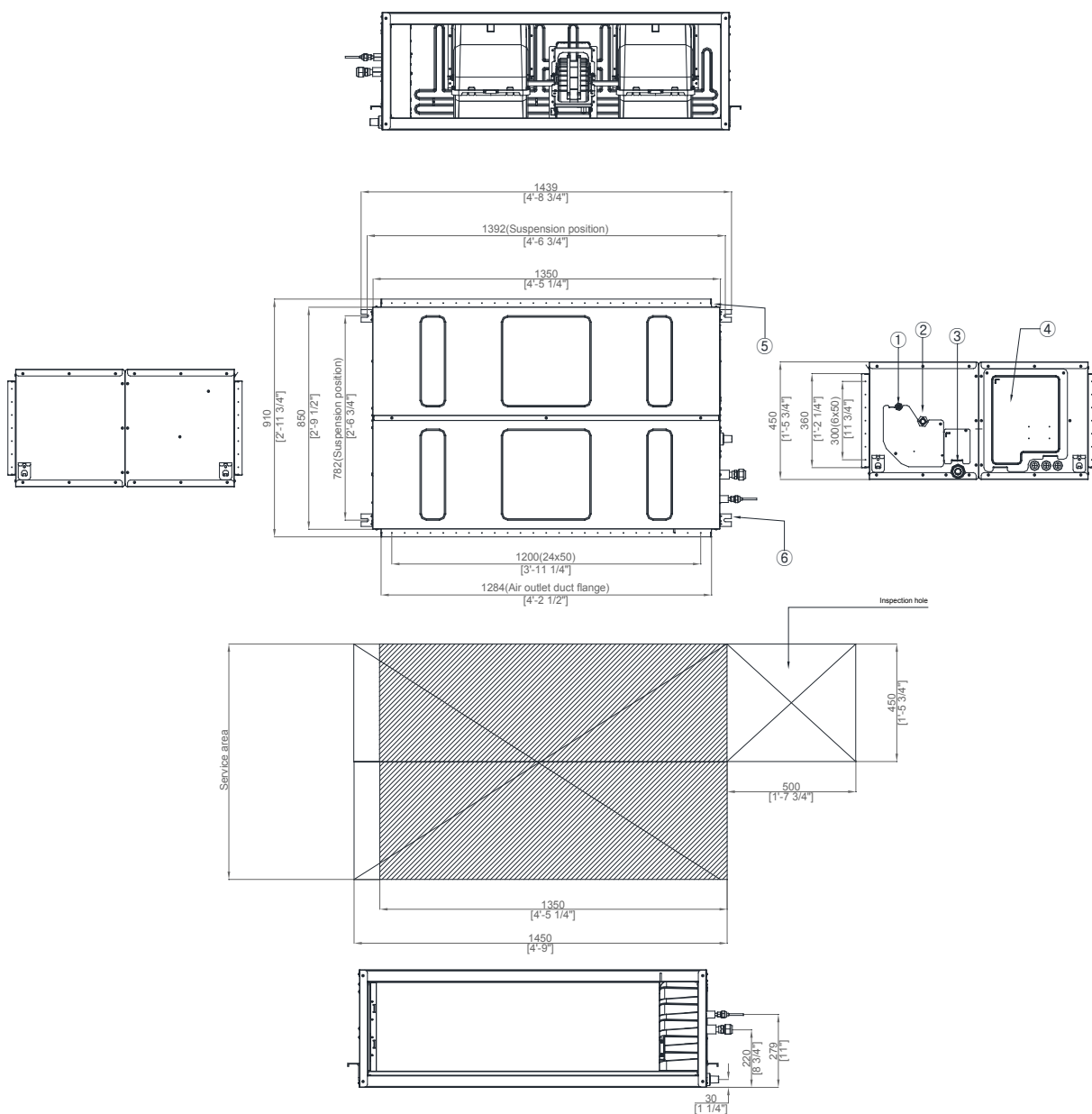


Table of descriptions

|   |                         |    |  |
|---|-------------------------|----|--|
| 1 | Liquid pipe connection  | 7  |  |
| 2 | Gas pipe connection     | 8  |  |
| 3 | Drain pipe connection   | 9  |  |
| 4 | Power supply connection | 10 |  |
| 5 | Air discharge flange    | 11 |  |
| 6 | Hook                    | 12 |  |

## 4 Dimensional drawing

### Outdoor

AC200KXAPNH/EU, AC250KXAPNH/EU

Units : mm / inches

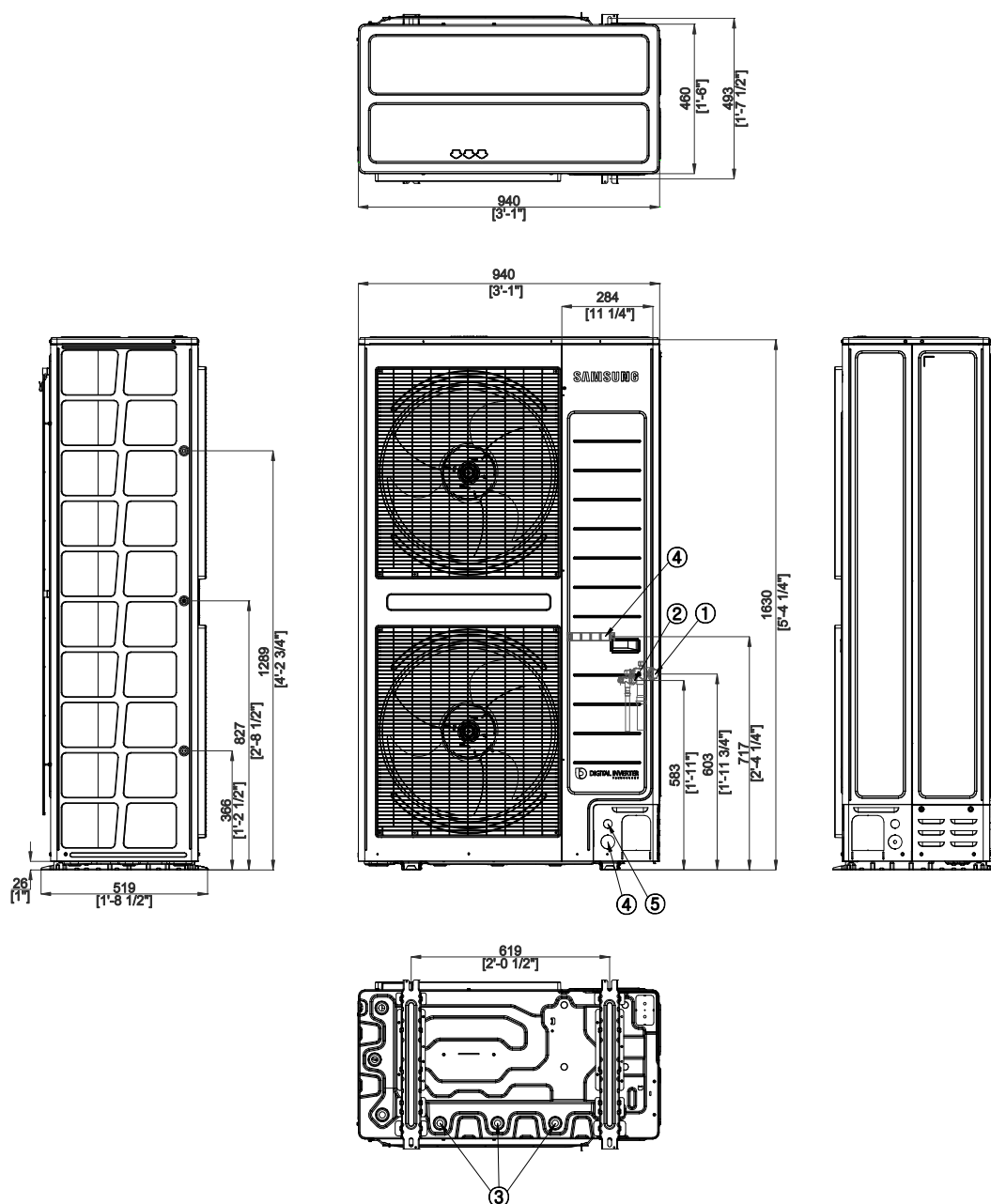


Table of descriptions

|   |                               |
|---|-------------------------------|
| 1 | Refrigerant gas pipe          |
| 2 | Refrigerant liquid pipe       |
| 3 | Drain Hole                    |
| 4 | Power wiring conduits         |
| 5 | Communication wiring conduits |