

Specifications

Ceiling R32 NEW

- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; Blade angle between 4 ° and 45 °.
- Reduced noise thanks to the remotely controlled EEV valve.
- Long-life washable HD 40 permanent filter is included.

| Indoor Unit                |                                      |               | AC052RNCDKG/EU                                      | AC071RNCDKG/EU     |
|----------------------------|--------------------------------------|---------------|-----------------------------------------------------|--------------------|
| Outdoor Unit- Mono-Phase   |                                      |               | AC052RXADKG/EU                                      | AC071RXADKG/EU     |
| Outdoor Unit- Tri-Phase    |                                      |               |                                                     |                    |
| Capacity                   |                                      |               |                                                     |                    |
|                            | Cooling (Min/Nominal/Max)            | kW            | 1.20 / 5.00 / 6.50                                  | 1.50 / 7.10 / 8.70 |
|                            | Heating up to +7°C (Min/Nominal/Max) | kW            | 1.70 / 6.00 / 7.70                                  | 1.90 / 8.00 / 9.00 |
|                            | Heating @ -5°C                       | kW            | 5.9                                                 | 7.8                |
|                            | Heating @ -15°C                      | kW            | 5.2                                                 | 7.00               |
| Performance                |                                      |               |                                                     |                    |
| Energy Efficiency Cooling  | SEER                                 | W/W           | 6.1 / A++                                           | 5.6 / A+           |
|                            | Consumption                          | kWh/a         | 273                                                 | 444                |
|                            | Pdesignc                             | kW            | 5.0                                                 | 7.1                |
|                            | EER                                  | W/W           | 3.05                                                | 2.42               |
| Energy Efficiency Heating  | SCOP                                 | W/W           | 3.9 / A                                             | 3.9 / A            |
|                            | Consumption                          | kWh/a         | 862                                                 | 1256               |
|                            | Pdesignh (average)                   | kW            | 2.4                                                 | 3.5                |
|                            | COP                                  | W/W           | 3.37                                                | 2.74               |
| AirFlow Rate               | Indoor Unit (High/Mid/Low)           | m3/min        | 12.6 / 11.3 / 10.0                                  | 15.2 / 14.1 / 13.1 |
| Sound Power                | Indoor Unit                          | dB(A)         | 60                                                  | 64                 |
|                            | Outdoor Unit                         | dB(A)         | 62                                                  | 65                 |
| Sound Pressure             | Indoor Unit (Silent/Low/Mid/High)    | dB(A)         | 36 / 39 / 41                                        | 42 / 44 / 46       |
|                            | Outdoor Unit                         | dB(A)         | 48 / 48                                             | 49 / 51            |
| Fan/ Outdoor unit          | Type                                 |               | Sirroco                                             | Sirroco            |
|                            | Power                                | W             | 40                                                  | 40                 |
|                            | Number                               | EA            | 2                                                   | 2                  |
| External Static Pressure   | Min / Std / Max                      | Pa            |                                                     |                    |
|                            |                                      |               |                                                     |                    |
| Operating Temp. Range      | Cooling                              | °C            | -15 ~ 50                                            | -15 ~ 50           |
|                            | Heating                              | °C            | -20 ~ 24                                            | -20 ~ 24           |
| Electrical Data            |                                      |               |                                                     |                    |
| Power Source               | Indoor Unit                          | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2                                   | 220~240/ 50/ 1/ 2  |
|                            | Outdoor Unit 1P                      | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2                                   | 220~240/ 50/ 1/ 2  |
|                            | Outdoor Unit 3P                      | V / Hz / Φ/ # |                                                     |                    |
| Compressor Type            | Outdoor Unit                         | Type          | Twin BI DC                                          | Twin BI DC         |
|                            |                                      |               |                                                     |                    |
| Power (Min/ Nominal/Max)   | Cooling                              | kW            | 0.48 / 1.58 / 1.90                                  | 0.35 / 2.87 / 3.60 |
|                            | Heating                              | kW            | 0.43 / 1.92 / 3.05                                  | 0.35 / 3.05 / 3.95 |
| Current Input              | Cooling (Min/Std/Max)                | A             | 2.8 / 7.2 / 9.0                                     | 2.0 / 12.4 / 16.0  |
|                            | Heating (Min/Std/Max)                | A             | 2.4 / 8.5 / 14.5                                    | 2.0 / 13.2 / 17.0  |
|                            | Cooling- Tri-Phase (Min/Std/Max)     | A             |                                                     |                    |
|                            | Heating- Tri-Phase (Min/Std/Max)     | A             |                                                     |                    |
| Dimensions                 |                                      |               |                                                     |                    |
| Net Dimensions (W x H x D) | Indoor Unit                          | mm            | 1000 x 200 x 650                                    | 1000 x 200 x 650   |
|                            | Outdoor Unit                         | mm            | 880 x 638 x 310                                     | 880 x 798 x 310    |
| Net Weight                 | Indoor Unit                          | kg            | 20,0                                                | 20,0               |
|                            | Outdoor Unit                         | kg            | 43,0                                                | 51,0               |
| Refrigerant                |                                      |               |                                                     |                    |
| Refrigerant                | Type                                 |               | R32(Contains fluorinated greenhouse gases. GWP=675) |                    |
|                            | Factory charging                     | kg            | 1.2 / 10m                                           | 1.7 / 15m          |
|                            | Charging Ton equivalent CO2          | tCO2e         | 0.81 tCO2e                                          | 1.15 tCO2e         |
|                            | Additional refrigerant charging      | g / m         | 15                                                  | 25                 |
| Piping Connections         | Liquid Pipe                          | Φ.inch        | 1 / 4                                               | 1 / 4              |
|                            | Gas Pipe                             | Φ.inch        | 1 / 2                                               | 5 / 8              |
| Piping Length              | Min/ Max                             | m             | 3 / 30                                              | 3 / 50             |
| Piping Height              | Max                                  | m             | 20                                                  | 30                 |
| Piping Connections         | Drain pipe                           | Φ.mm          | ID 18                                               | ID 18              |



Ceiling (R410A)

| Indoor Unit                |                                      |               | AC052MNCDKH/EU                                          | AC071MNCDKH/EU     |
|----------------------------|--------------------------------------|---------------|---------------------------------------------------------|--------------------|
| Outdoor Unit- Mono-Phase   |                                      |               | AC052MXADKH/EU                                          | AC071MXADKH/EU     |
| Outdoor Unit- Tri-Phase    |                                      |               |                                                         |                    |
| Capacity                   |                                      |               |                                                         |                    |
|                            | Cooling (Min/Nominal/Max)            | kW            | 1.70 / 5.00 / 5.60                                      | 2.20 / 7.10 / 8.00 |
|                            | Heating up to +7°C (Min/Nominal/Max) | kW            | 1.70 / 6.00 / 7.70                                      | 1.90 / 8.00 / 9.00 |
|                            | Heating @ -5°C                       | kW            | 5.88                                                    | 7.84               |
|                            | Heating @ -15°C                      | kW            | 5.22                                                    | 6.96               |
| Performance                |                                      |               |                                                         |                    |
| Energy Efficiency Cooling  | SEER                                 | W/W           | 6.1 / A++                                               | 5.6 / A+           |
|                            | Consumption                          | kWh/a         | 287                                                     | 444                |
|                            | Pdesignc                             | kW            | 5.0                                                     | 7.1                |
|                            | EER                                  | W/W           | 3.05                                                    | 2.42               |
| Energy Efficiency Heating  | SCOP                                 | W/W           | 3.9 / A                                                 | 3.9 / A            |
|                            | Consumption                          | kWh/a         | 862                                                     | 1256               |
|                            | Pdesignh (average)                   | kW            | 2.4                                                     | 3.5                |
|                            | COP                                  | W/W           | 3.37                                                    | 2.74               |
| AirFlow Rate               | Indoor Unit (High/Mid/Low)           | m3/min        | 12.6 / 11.3 / 10.0                                      | 15.2 / 14.1 / 13.1 |
| Sound Power                | Indoor Unit                          | dB(A)         | 60                                                      | 64                 |
|                            | Outdoor Unit                         | dB(A)         | 62                                                      | 65                 |
| Sound Pressure             | Indoor Unit (Silent/Low/Mid/High)    | dB(A)         | 36 / 39 / 41                                            | 42 / 44 / 46       |
|                            | Outdoor Unit                         | dB(A)         | 48 / 48                                                 | 49 / 51            |
| Fan/ Outdoor unit          | Type                                 |               | Sirroco                                                 | Sirroco            |
|                            | Power                                | W             | 40                                                      | 40                 |
|                            | Number                               | EA            | 2                                                       | 2                  |
| External Static Pressure   | Min / Std / Max                      | Pa            |                                                         |                    |
|                            |                                      |               |                                                         |                    |
| Operating Temp. Range      | Cooling                              | °C            | -15 ~ 50                                                | -15 ~ 50           |
|                            | Heating                              | °C            | -20 ~ 24                                                | -20 ~ 24           |
| Electrical Data            |                                      |               |                                                         |                    |
| Power Source               | Indoor Unit                          | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2                                       | 220~240/ 50/ 1/ 2  |
|                            | Outdoor Unit 1P                      | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2                                       | 220~240/ 50/ 1/ 2  |
|                            | Outdoor Unit 3P                      | V / Hz / Φ/ # |                                                         |                    |
| Compressor Type            | Outdoor Unit                         | Type          | Twin BI DC                                              | Twin BI DC         |
|                            |                                      |               |                                                         |                    |
| Power (Min/ Nominal/Max)   | Cooling                              | kW            | 0.48 / 1.64 / 1.90                                      | 0.35 / 2.93 / 3.95 |
|                            | Heating                              | kW            | 0.43 / 1.78 / 3.05                                      | 0.35 / 2.92 / 3.95 |
| Current Input              | Cooling (Min/Std/Max)                | A             | 2.8 / 7.4 / 9.0                                         | 2.0 / 12.8 / 17.0  |
|                            | Heating (Min/Std/Max)                | A             | 2.4 / 7.9 / 14.5                                        | 2.0 / 12.8 / 17.0  |
|                            | Cooling- Tri-Phase (Min/Std/Max)     | A             |                                                         |                    |
|                            | Heating- Tri-Phase (Min/Std/Max)     | A             |                                                         |                    |
| Dimensions                 |                                      |               |                                                         |                    |
| Net Dimensions (W x H x D) | Indoor Unit                          | mm            | 1000 x 200 x 650                                        | 1000 x 200 x 650   |
|                            | Outdoor Unit                         | mm            | 880 x 638 x 310                                         | 880 x 798 x 310    |
| Net Weight                 | Indoor Unit                          | kg            | 20,0                                                    | 20,0               |
|                            | Outdoor Unit                         | kg            | 43.8                                                    | 53,0               |
| Refrigerant                |                                      |               |                                                         |                    |
| Refrigerant                | Type                                 |               | R410A(Contains fluorinated greenhouse gases. GWP=2.088) |                    |
|                            | Factory charging                     | kg            | 1.30 / 5m                                               | 1.50 / 5           |
|                            | Charging Ton equivalent CO2          | tCO2e         | 2.71 tCO2e                                              | 3.13 tCO2e         |
|                            | Additional refrigerant charging      | g / m         | 10                                                      | 20                 |
| Piping Connections         | Liquid Pipe                          | Φ.inch        | 1 / 4                                                   | 1 / 4              |
|                            | Gas Pipe                             | Φ.inch        | 1 / 2                                                   | 5 / 8              |
| Piping Length              | Min/ Max                             | m             | 30                                                      | 50                 |
| Piping Height              | Max                                  | m             | 20                                                      | 30                 |
| Piping Connections         | Drain pipe                           | Φ.mm          | ID 18                                                   | ID 18              |

Accessories

Individual Controllers (Optional)

Others (Optional)

MWR-SH11N

MWR-WE13N

MIM-H03N

MRW-TA

Specifications

Big Ceiling R32 NEW

- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; Blade angle between 4 ° and 45 °.
- Reduced noise thanks to the remotely controlled EEV valve.
- Long-life washable HD 40 permanent filter is included.



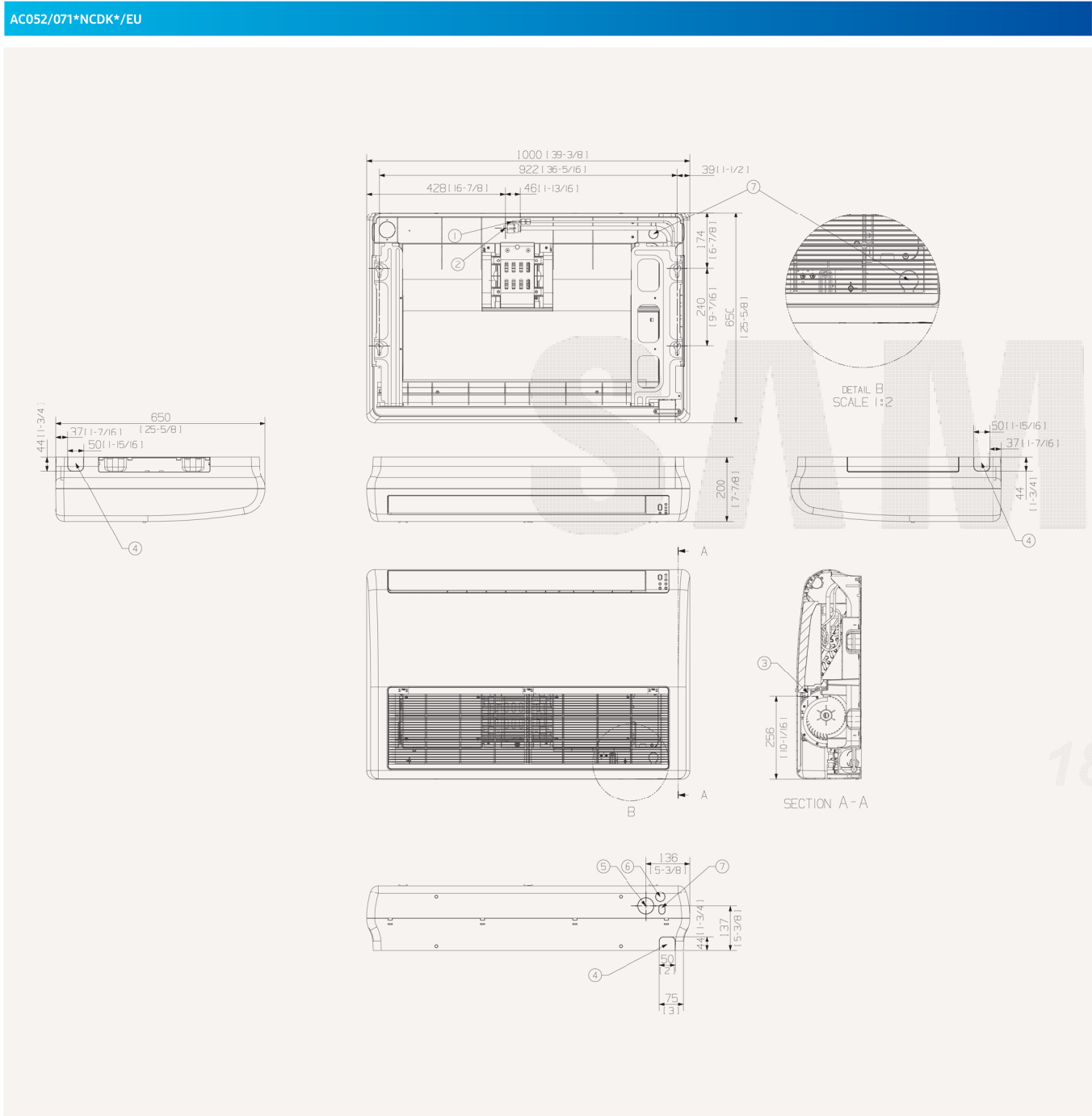
| Indoor Unit<br>Outdoor Unit- Mono-Phase<br>Outdoor Unit- Tri-Phase |                                      |               | AC100RNCDKG/EU<br>AC100RXADKG/EU<br>AC100RXADNG/EU  | AC120RNCDKG/EU<br>AC120RXADKG/EU<br>AC120RXADNG/EU | AC140RNCDKG/EU<br>AC140RXADKG/EU<br>AC140RXADNG/EU |
|--------------------------------------------------------------------|--------------------------------------|---------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Capacity                                                           |                                      |               |                                                     |                                                    |                                                    |
|                                                                    | Cooling (Min/Nominal/Max)            | kW            | 3.0 / 10.0 / 12.0                                   | 3.0 / 12.0 / 13.5                                  | 3.5 / 13.4 / 15.5                                  |
|                                                                    | Heating up to +7°C (Min/Nominal/Max) | kW            | 3.0 / 12.0 / 13.5                                   | 3.0 / 12.0 / 13.5                                  | 3.5 / 15.5 / 18.0                                  |
|                                                                    | Heating @ -5°C                       | kW            | 11.0                                                | 12.9                                               | 15.2                                               |
|                                                                    | Heating @ -15°C                      | kW            | 9.7                                                 | 11.5                                               | 13.5                                               |
| Performance                                                        |                                      |               |                                                     |                                                    |                                                    |
| Energy Efficiency<br>Cooling                                       | SEER                                 | W/W           | 6.1 / A++                                           | 5.9 / A+                                           | 6.1                                                |
|                                                                    | Consumption                          | kWh/a         | 574                                                 | TBD                                                | -                                                  |
|                                                                    | Pdesignc                             | kW            | 10.0                                                | TBD                                                | -                                                  |
|                                                                    | EER                                  | W/W           | 3.05                                                | 2.76                                               | 2.97                                               |
| Energy Efficiency<br>Heating                                       | SCOP                                 | W/W           | 4.0 / A+                                            | 4.0 / A+                                           | 4.0                                                |
|                                                                    | Consumption                          | kWh/a         | 1820                                                | TBD                                                | -                                                  |
|                                                                    | Pdesignh (average)                   | kW            | 5.2                                                 | 6.5                                                | -                                                  |
|                                                                    | COP                                  | W/W           | 3.44                                                | 3.44                                               | 3.41                                               |
| AirFlow Rate                                                       | Indoor Unit (High/Mid/Low)           | m3/min        | 26.0 / 23.0 / 19.0                                  | 26.0 / 23.0 / 19.0                                 | 30.0 / 24.0 / 20.0                                 |
| Sound Power                                                        | Indoor Unit                          | dB(A)         | 60                                                  | 62                                                 | 64                                                 |
|                                                                    | Outdoor Unit                         | dB(A)         | 69                                                  | 70                                                 | 69                                                 |
| Sound Pressure                                                     | Indoor Unit (Silent/Low/Mid/High)    | dB(A)         | 34 / 38 / 42                                        | 37 / 41 / 44                                       | 38 / 42 / 48                                       |
|                                                                    | Outdoor Unit                         | dB(A)         | 52 / 54                                             | 54 / 56                                            | 53 / 54                                            |
| Fan/ Outdoor unit                                                  | Type                                 |               | Sirocco                                             | Sirocco                                            | Sirocco                                            |
|                                                                    | Power                                | W             | 244                                                 | 244                                                | 244                                                |
|                                                                    | Number                               | EA            | 4                                                   | 4                                                  | 4                                                  |
| External Static<br>Pressure                                        | Min / Std / Max                      | Pa            |                                                     |                                                    |                                                    |
|                                                                    |                                      |               |                                                     |                                                    |                                                    |
| Operating Temp.<br>Range                                           | Cooling                              | °C            | -15 ~ 50                                            | -15 ~ 50                                           | -15 ~ 50                                           |
|                                                                    | Heating                              | °C            | -20 ~ 24                                            | -20 ~ 24                                           | -20 ~ 24                                           |
| Electrical Data                                                    |                                      |               |                                                     |                                                    |                                                    |
| Power Source                                                       | Indoor Unit                          | V / Hz / Φ/ # | 220-240/ 50/ 1/ 2                                   | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                                  |
|                                                                    | Outdoor Unit 1P                      | V / Hz / Φ/ # | 220-240/ 50/ 1/ 2                                   | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                                  |
|                                                                    | Outdoor Unit 3P                      | V / Hz / Φ/ # | 380-415/ 50/ 3/ 4                                   | 380-415/ 50/ 3/ 4                                  | 380-415/ 50/ 3/ 4                                  |
| Compressor Type                                                    | Outdoor Unit                         | Type          | Twin RI DC                                          | Twin RI DC                                         | Twin RI DC                                         |
| Power (Min/<br>Nominal/Max)                                        | Cooling                              | kW            | 0.60 / 3.28 / 4.70                                  | 0.90 / 4.35 / 5.30                                 | 0.80 / 4.50 / 6.45                                 |
|                                                                    | Heating                              | kW            | 0.46 / 3.25 / 5.40                                  | 0.70 / 3.83 / 5.60                                 | 0.70 / 4.54 / 7.36                                 |
| Current Input                                                      | Cooling (Min/Std/Max)                | A             | 3.0 / 14.6 / 20.4                                   | 5.1 / 19.1 / 24.0                                  | 3.7 / 19.7 / 28.0                                  |
|                                                                    | Heating (Min/Std/Max)                | A             | 2.5 / 14.2 / 23.0                                   | 3.9 / 17.0 / 26.0                                  | 3.5 / 19.8 / 32.0                                  |
|                                                                    | Cooling- Tri-Phase (Min/Std/Max)     | A             | 1.5 / 5.0 / 7.1                                     | 1.7 / 6.6 / 10.0                                   | 2.1 / 7.0 / 10.5                                   |
|                                                                    | Heating- Tri-Phase (Min/Std/Max)     | A             | 1.2 / 5.1 / 8.4                                     | 1.5 / 6.2 / 12.0                                   | 1.9 / 7.0 / 12.0                                   |
| Dimensions                                                         |                                      |               |                                                     |                                                    |                                                    |
| Net Dimensions<br>(W x H x D)                                      | Indoor Unit                          | mm            | 1650 x 235 x 675                                    | 1650 x 235 x 675                                   | 1650 x 235 x 675                                   |
|                                                                    | Outdoor Unit                         | mm            | 940 x 998 x 330                                     | 940 x 998 x 330                                    | 940 x 1210 x 330                                   |
| Net Weight                                                         | Indoor Unit                          | kg            | 42.0                                                | 42.0                                               | 41.5                                               |
|                                                                    | Outdoor Unit                         | kg            | 75.0                                                | 81.0                                               | 91.5                                               |
| Refrigerant                                                        |                                      |               |                                                     |                                                    |                                                    |
| Refrigerant                                                        | Type                                 |               | R32(Contains fluorinated greenhouse gases. GWP=675) |                                                    |                                                    |
|                                                                    | Factory charging                     | kg            | 2.7 / 30m                                           | 2.7 / 30m                                          | 2.9 / 30m                                          |
|                                                                    | Charging Ton equivalent CO2          | tCO2e         | 1.82 tCO2e                                          | 1.82 tCO2e                                         | 1.96 tCO2e                                         |
|                                                                    | Additional refrigerant charging      | g / m         | 50                                                  | 50                                                 | 50                                                 |
| Piping<br>Connections                                              | Liquid Pipe                          | Φ.inch        | 3 / 8                                               | 3 / 8                                              | 3 / 8                                              |
|                                                                    | Gas Pipe                             | Φ.inch        | 5 / 8                                               | 5 / 8                                              | 5 / 8                                              |
| Piping Length                                                      | Min/ Max                             | m             | 50                                                  | 50                                                 | 75                                                 |
| Piping Height                                                      | Max                                  | m             | 30                                                  | 30                                                 | 30                                                 |
| Piping<br>Connections                                              | Drain pipe                           | Φ.mm          | VP25 (OD32.ID25)                                    | VP25 (OD32.ID25)                                   | VP25 (OD32.ID25)                                   |

Big Ceiling (R410A)

| Indoor Unit<br>Outdoor Unit- Mono-Phase<br>Outdoor Unit- Tri-Phase |                                      |               | AC100MNCDKH/EU<br>AC100MXADKH/EU<br>AC100MXADNH/EU      | AC120MNCDKH/EU<br>AC120MXADKH/EU<br>AC120MXADNH/EU | AC140MNCDKH/EU<br>AC140MXADKH/EU<br>AC140MXADNH/EU | AC160JNCDEH/EU<br>-<br>AC160JXADGH/EU |
|--------------------------------------------------------------------|--------------------------------------|---------------|---------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------|
| Capacity                                                           |                                      |               |                                                         |                                                    |                                                    |                                       |
|                                                                    | Cooling (Min/Nominal/Max)            | kW            | 3.00 / 10.00 / 12.00                                    | 3.50 / 12.00 / 13.50                               | 3.50 / 13.40 / 15.50                               | 4.30 / 15.00 / 17.30                  |
|                                                                    | Heating up to +7°C (Min/Nominal/Max) | kW            | 2.20 / 11.20 / 15.50                                    | 3.80 / 13.00 / 16.50                               | 3.50 / 15.50 / 18.00                               | 4.70 / 17.50 / 19.00                  |
|                                                                    | Heating @ -5°C                       | kW            | 10.98                                                   | 12.74                                              | 15.19                                              | -                                     |
|                                                                    | Heating @ -15°C                      | kW            | 9.74                                                    | 11.31                                              | 13.49                                              | -                                     |
| Performance                                                        |                                      |               |                                                         |                                                    |                                                    |                                       |
| Energy Efficiency<br>Cooling                                       | SEER                                 | W/W           | 5.8 / A+                                                | 5.7 / A+                                           | -                                                  | -                                     |
|                                                                    | Consumption                          | kWh/a         | 603                                                     | 737                                                | -                                                  | -                                     |
|                                                                    | Pdesignc                             | kW            | 10.0                                                    | 12.0                                               | -                                                  | -                                     |
|                                                                    | EER                                  | W/W           | 2.94                                                    | 2.61                                               | 3.01                                               | 2.84                                  |
| Energy Efficiency<br>Heating                                       | SCOP                                 | W/W           | 4.0 / A+                                                | 4.1 / A+                                           | -                                                  | -                                     |
|                                                                    | Consumption                          | kWh/a         | 1820                                                    | 2527                                               | -                                                  | -                                     |
|                                                                    | Pdesignh (average)                   | kW            | 5.2                                                     | 7.4                                                | -                                                  | -                                     |
|                                                                    | COP                                  | W/W           | 3.5                                                     | 3.42                                               | 3.41                                               | 3.6                                   |
| AirFlow Rate                                                       | Indoor Unit (High/Mid/Low)           | m3/min        | 26.0 / 23.0 / 19.0                                      | 30.0 / 24.0 / 20.0                                 | 34.0 / 27.0 / 23.0                                 | 37.00/ 31.00/ 26.00                   |
| Sound Power                                                        | Indoor Unit                          | dB(A)         | 60                                                      | 62                                                 | 64                                                 | 68                                    |
|                                                                    | Outdoor Unit                         | dB(A)         | 69                                                      | 70                                                 | 69                                                 | -                                     |
| Sound Pressure                                                     | Indoor Unit (Silent/Low/Mid/High)    | dB(A)         | 34 / 38 / 42                                            | 37 / 41 / 44                                       | 38 / 42 / 46                                       | 44 / 47 / 51                          |
|                                                                    | Outdoor Unit                         | dB(A)         | 52 / 54                                                 | 54 / 56                                            | 53 / 54                                            | 56.0 / 58.0                           |
| Fan/ Outdoor unit                                                  | Type                                 |               | Sirroco                                                 | Sirroco                                            | Sirroco                                            | Sirroco                               |
|                                                                    | Power                                | W             | 244                                                     | 244                                                | 244                                                | 244                                   |
|                                                                    | Number                               | EA            | 4                                                       | 4                                                  | 4                                                  | 4                                     |
| External Static<br>Pressure                                        | Min / Std / Max                      | Pa            |                                                         |                                                    |                                                    |                                       |
|                                                                    |                                      |               |                                                         |                                                    |                                                    |                                       |
| Operating Temp.<br>Range                                           | Cooling                              | °C            | -15 ~ 50                                                | -15 ~ 50                                           | -15 ~ 50                                           | -15~50                                |
|                                                                    | Heating                              | °C            | -20 ~ 24                                                | -20 ~ 24                                           | -20 ~ 24                                           | -20~24                                |
| Electrical Data                                                    |                                      |               |                                                         |                                                    |                                                    |                                       |
| Power Source                                                       | Indoor Unit                          | V / Hz / Φ/ # | 220-240/ 50/ 1/ 2                                       | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                     |
|                                                                    | Outdoor Unit 1P                      | V / Hz / Φ/ # | 220-240/ 50/ 1/ 2                                       | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                                  | 220-240/ 50/ 1/ 2                     |
|                                                                    | Outdoor Unit 3P                      | V / Hz / Φ/ # | 380-415/ 50/ 3/ 4                                       | 380-415/ 50/ 3/ 4                                  | 380-415/ 50/ 3/ 4                                  | 380-415/ 50/ 3/ 4                     |
| Compressor Type                                                    | Outdoor Unit                         | Type          | Twin RI DC                                              | Twin RI DC                                         | Twin RI DC                                         | Twin RI DC                            |
| Power (Min/<br>Nominal/Max)                                        | Cooling                              | kW            | 0.60 / 3.40 / 4.70                                      | 0.90 / 4.60 / 5.50                                 | 0.80 / 4.45 / 6.44                                 | 0.90 / 5.28 / 6.40                    |
|                                                                    | Heating                              | kW            | 0.46 / 3.20 / 5.40                                      | 0.70 / 3.80 / 5.60                                 | 0.70 / 4.54 / 7.36                                 | 0.80 / 4.86 / 6.50                    |
| Current Input                                                      | Cooling (Min/Std/Max)                | A             | 3.0 / 14.6 / 20.4                                       | 5.1 / 20.4 / 23.5                                  | 3.7 / 20.0 / 28.0                                  | -                                     |
|                                                                    | Heating (Min/Std/Max)                | A             | 2.5 / 14.2 / 23.0                                       | 3.9 / 17.1 / 22.8                                  | 3.5 / 19.5 / 32.0                                  | -                                     |
|                                                                    | Cooling- Tri-Phase (Min/Std/Max)     | A             | 1.50 / 5.30 / 7.10                                      | 1.70 / 7.20 / 9.50                                 | 2.10 / 7.00 / 12.00                                | 1.70 / 8.20 / 9.80                    |
|                                                                    | Heating- Tri-Phase (Min/Std/Max)     | A             | 1.20 / 4.90 / 8.40                                      | 1.50 / 5.90 / 9.10                                 | 1.90 / 7.00 / 12.00                                | 1.70 / 7.50 / 10.00                   |
| Dimensions                                                         |                                      |               |                                                         |                                                    |                                                    |                                       |
| Net Dimensions<br>(W x H x D)                                      | Indoor Unit                          | mm            | 1650 x 235 x 675                                        | 1650 x 235 x 675                                   | 1650 x 235 x 675                                   | 1650 x 235 x 675                      |
|                                                                    | Outdoor Unit                         | mm            | 940 x 998 x 330                                         | 940 x 998 x 330                                    | 940 x 1210 x 330                                   | 940 x 1420 x 330                      |
| Net Weight                                                         | Indoor Unit                          | kg            | 41.4                                                    | 41.4                                               | 41.4                                               | 42.0                                  |
|                                                                    | Outdoor Unit                         | kg            | 72.0                                                    | 77.0                                               | 87.0                                               | 96.0                                  |
| Refrigerant                                                        |                                      |               |                                                         |                                                    |                                                    |                                       |
| Refrigerant                                                        | Type                                 |               | R410A(Contains fluorinated greenhouse gases. GWP=2.088) |                                                    |                                                    |                                       |
|                                                                    | Factory charging                     | kg            | 3.0                                                     | 3.0                                                | 3.4                                                | 3.5                                   |
|                                                                    | Charging Ton equivalent CO2          | tCO2e         | 6.26 tCO2e                                              | 6.26 tCO2e                                         | 7.1 tCO2e                                          | 7.31 tCO2e                            |
|                                                                    | Additional refrigerant charging      | g / m         | 50                                                      | 50                                                 | 50                                                 | 50                                    |
| Piping<br>Connections                                              | Liquid Pipe                          | Φ.inch        | 3 / 8                                                   | 3 / 8                                              | 3 / 8                                              | 3 / 8                                 |
|                                                                    | Gas Pipe                             | Φ.inch        | 5 / 8                                                   | 5 / 8                                              | 5 / 8                                              | 5 / 8                                 |
| Piping Length                                                      | Min/ Max                             | m             | 50                                                      | 50                                                 | 75                                                 | 75                                    |
| Piping Height                                                      | Max                                  | m             | 30                                                      | 30                                                 | 30                                                 | 30                                    |
| Piping<br>Connections                                              | Drain pipe                           | Φ.mm          | VP25 (OD 32.ID 25)                                      | VP25 (OD 32.ID 25)                                 | VP25 (OD 32.ID 25)                                 | OD 25 / ID 20                         |

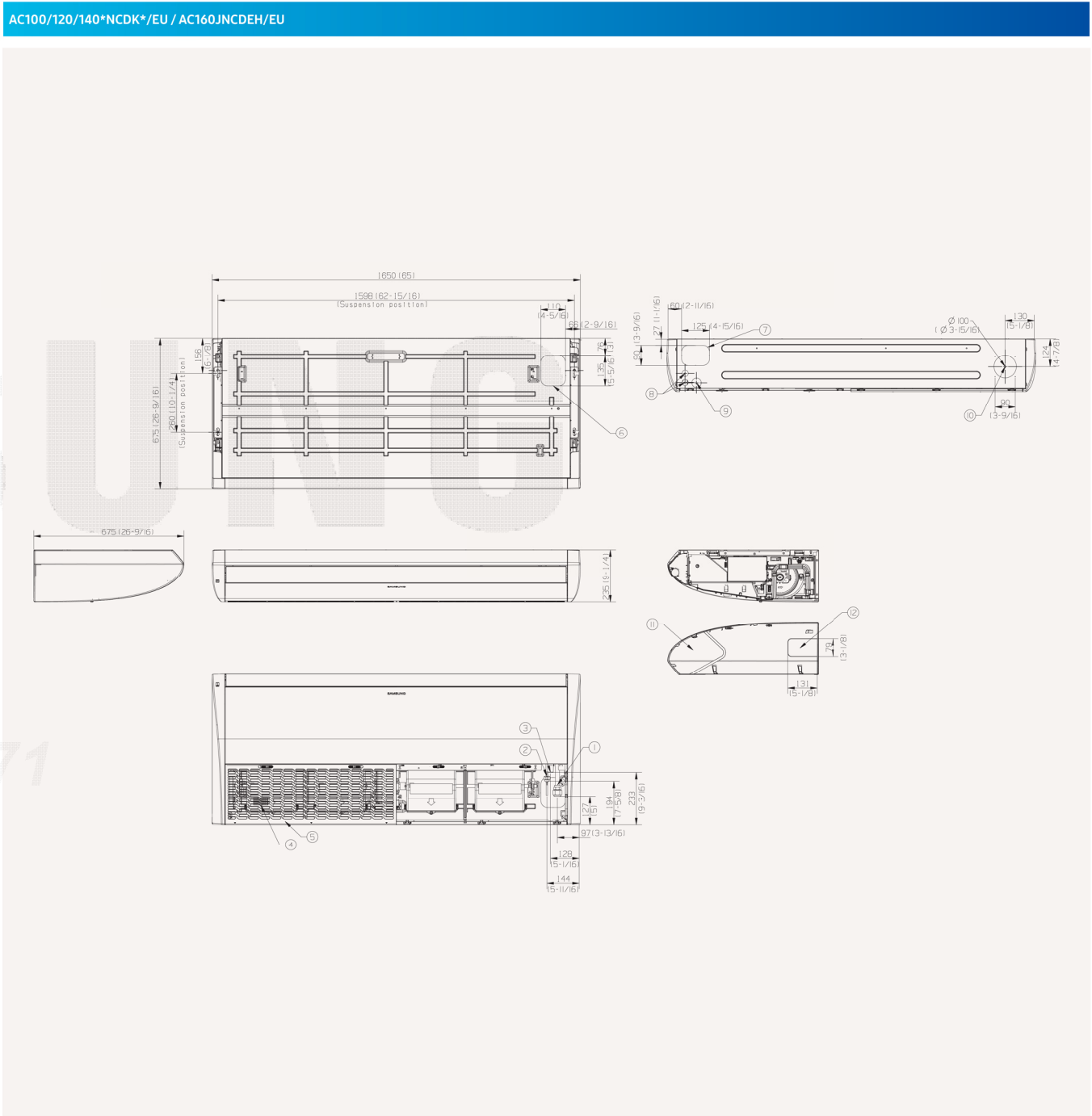
Dimensional Drawings

Ceiling



| Pos. | Name                                      | Model                |                   |
|------|-------------------------------------------|----------------------|-------------------|
|      |                                           | AC052MNC DKH/EU      | AC071MNC DKH/EU   |
| 1    | Liquid piping                             | ø 6,35 mm (1/4")     |                   |
| 2    | Gas piping                                | ø 12,7 mm (1/2")     | ø 15,88 mm (5/8") |
| 3    | Condensation drain piping                 | ID18mm [11/16"] Hose |                   |
| 4    | Piping connection                         | -                    |                   |
| 5    | Connection for external air               | ø 50 [2]             |                   |
| 6    | Connection of the condensation drain pipe | -                    |                   |
| 7    | Connection of the communication cables    | -                    |                   |

Big Ceiling



| No. | Name                             | Description       |
|-----|----------------------------------|-------------------|
| 1   | Liquid pipe connection           | Φ9.52(3/8)        |
| 2   | Gas pipe connection              | Φ15.88(5/8)       |
| 3   | Drain pipe connection            | VP-25(OD32, ID25) |
| 4   | Air filter                       |                   |
| 5   | Air suction grille               |                   |
| 6   | Knockout hole for piping (upper) |                   |

| No. | Name                               | Description  |
|-----|------------------------------------|--------------|
| 7   | Knockout hole for piping (rear)    | Φ28 [1-1/8]  |
| 8   | Conduit Hole                       | Φ42 [1-5/16] |
| 9   | Knockout hole for drain hose       |              |
| 10  | Knockout hole for Fresh air intake |              |
| 11  | Cover side                         |              |
| 12  | Knockout hole for piping (side)    |              |

Learn more about Samsung Climate Solutions at: [www.samsung.com/climate](http://www.samsung.com/climate)

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Samsung Electronics Air Conditioner Europe B.V.

Evert van de Beekstraat 310, 1118 CX Schiphol • P.O. Box 75810, 1118 ZZ Schiphol • +31 (0)8 81 41 61 00 • Netherlands