

fourways | **SAMSUNG**

Smart Airconditioning Solutions



# 360 Cassette

- **R32 refrigerant:** Samsung is presenting a new era of air conditioners with R32 refrigerant. R32 has a lower Global Warming Potential (GWP) of 675 compared to R410A GWP of 2,088. R32 is also a zero Ozone Depletion Potential (ODP) refrigerant, minimizing the effects on the ozone layer.
- **Maintaining comfort whilst keeping your style:** Samsung innovative 360 cassette takes cassette technology to the next level, not only providing good comfort where you need it when you need it, it also has a neat, tidy look with an aesthetic flair that virtually blends with any interior.
- **Circular Design:** Its full-circle design allows it to be placed beautifully to help meet your aesthetic interior designs.
- **Blade-less:** Innovative 360 degree airflow provides optimal air conditioning, minimising hot spots and cold spots, contributing to fast and even temperature control.
- **Balanced Air Conditioning:** Innovative 360 degree airflow provides optimal air conditioning, minimising hot spots and cold spots, contributing to fast and even temperature control.
- **LED Display:** Circular LED displays airflow direction setting of horizontal and vertical airflow operation.



# All round cooling & comfort.

A single glance is enough to reveal that the Samsung 360 Cassette is in a class all of its own and why it is being specified more and more by architects, consultants and installers as the cassette for upmarket homes and offices. Not only does the 360 Cassette's revolutionary new circular shape enhance any interior design, it's also a beautiful answer to draft-free climate control. An internal booster fan ensures a perfect 360° horizontal spread of airflow ensuring there are no 'dead zones'. There are no blades to gather dust, airflow is increased by 25% over conventional square cassettes, thus ensuring faster cooling or heating. Where a premium draft-free air conditioning experience is required, the Samsung 360 Cassette is the obvious choice. For the inner circle who demand only the best.



| Model Code                                |                                                   | AC071RN4PKG/EU                                      | AC100RN4PKG/EU           | AC140RN4PKG/EU          |
|-------------------------------------------|---------------------------------------------------|-----------------------------------------------------|--------------------------|-------------------------|
| Attribute                                 |                                                   | Value                                               | Value                    | Value                   |
| Features                                  | Type                                              | 71kW-1Φ-4way CST                                    | 10.0kW-1Φ-360 CST        | 14.0kW-1Φ-360 CST       |
| Model Name                                | Indoor Unit                                       | AC071RN4PKG/EU                                      | AC100RN4PKG/EU           | AC140RN4PKG/EU          |
|                                           | Outdoor Unit                                      | AC071RXADKG/EU                                      | AC100RXADKG/EU           | AC140RXADKG/EU          |
| System                                    | Mode                                              | HEAT PUMP                                           | Heat Pump                | Heat Pump               |
| Capacity                                  | Cooling [kW]                                      | 1.50 / 7.10 / 8.70 kW                               | 3.00 / 10.00 / 12.00 kW  | 3.50 / 13.40 / 15.50 kW |
|                                           | Heating [kW]                                      | 1.90 / 8.00 / 9.00 kW                               | 2.20 / 11.20 / 15.50 kW  | 3.50 / 15.50 / 18.00 kW |
| Power Input (Nominal)                     | Cooling 1)                                        | 0.35 / 2.73 / 3.60 kW                               | 0.60 / 3.24 / 4.70 kW    | 0.80 / 4.76 / 6.45 kW   |
|                                           | Heating 2)                                        | 0.35 / 2.48 / 3.95 kW                               | 0.46 / 3.20 / 5.40 kW    | 0.70 / 4.62 / 7.36 kW   |
| Current Input (Nominal)                   | Cooling 1)                                        | 2.0 / 11.8 / 16.0 A                                 | 3.0 / 14.4 / 20.4 A      | 3.7 / 20.6 / 28.0 A     |
|                                           | Heating 2)                                        | 2.0 / 10.7 / 17.0 A                                 | 2.5 / 14.2 / 23.0 A      | 3.5 / 20.0 / 32.0 A     |
| Power                                     | MCA [A]                                           | 18.0 A                                              | 25.5 A                   | 33.5 A                  |
|                                           | MFA [A]                                           | 20.6 A                                              | 30.0 A                   | 40.0 A                  |
| Energy Efficiency                         | Energy Grade (Cooling)                            | SEER 6.7 (A++)                                      | SEER 6.8 (A++)           | SEER 6.4                |
|                                           | Energy Grade (Heating)                            | SCOP 4.2 (A+)                                       | SCOP 4.3 (A+)            | SCOP 4.1                |
| Piping Connections                        | Liquid Pipe (Φ, mm)                               | 6.35 mm                                             | 9.52 mm                  | 9.52 mm                 |
|                                           | Liquid Pipe (Φ, inch)                             | 1/4"                                                | 3/8"                     | 3/8"                    |
|                                           | Gas Pipe (Φ, mm)                                  | 15.88 mm                                            | 15.88 mm                 | 15.88 mm                |
|                                           | Gas Pipe (Φ, inch)                                | 5/8"                                                | 5/8"                     | 5/8"                    |
|                                           | Installation Max. Length [m]                      | 50 m                                                | 50 m                     | 75 m                    |
|                                           | Installation Max. Height [m]                      | 30 m                                                | 30 m                     | 30 m                    |
| Field Wiring                              | Transmission Cable                                | 0.75↑                                               | 0.75mm2 ↑                | 0.75mm2 ↑               |
| Refrigerant                               | Type                                              | R32(Contains fluorinated greenhouse gases, GWP=675) |                          |                         |
|                                           | Control Method                                    | EEV                                                 | EEV                      | EEV                     |
|                                           | Factory Charging (kg)                             | 1.70 kg                                             | 2.70 kg                  | 2.9 kg                  |
|                                           | Factory Charging (tCO2e)                          | 1.15 tCO2e                                          | 1.82 tCO2e               | 1.96 tCO2e              |
| Power Supply (Indoor Unit) [Φ, #, V, Hz]  |                                                   | 1,2,220-240,50                                      | 1, 2, 220~240, 50        | 1Φ, 220~240V/50Hz       |
| Fan                                       | Type                                              | Turbo Fan                                           | Turbo                    | Turbo                   |
|                                           | Motor (Output) [W]                                | 65 W                                                | 97 W                     | 97 W                    |
|                                           | Number of Unit (EA)                               | 1 EA                                                | 1 EA                     | 1 EA                    |
|                                           | Air Flow Rate (High / Mid / Low) [CMM]            | 17.5/15.9/14.3 CMM                                  | 31.2/25.5/19.8 CMM       | 32.4/27.1/22.8 CMM      |
|                                           | External Static Pressure (Min / Std / Max) [mmAq] |                                                     | - mmAq                   |                         |
| Drain                                     | Drain Pipe (Φ,mm)                                 | VP25(OD32/ID25) mm                                  | VP 25 (OD 32 / ID 25) mm | OD 32 / ID 25 mm        |
| Sound                                     | Sound Pressure (High / Mid / Low) [dB(A)]         | 36 / 33 / 29 dBA                                    | 44 / 39 / 33 dBA         | 45 / 41 / 37 dBA        |
|                                           | Sound Power (Cooling) [dB(A)]                     | 53 dBA                                              | 61 dBA                   | 61 dBA                  |
| External Dimension (Indoor Unit)          | Net Weight(kg)                                    | 20.2 kg                                             | 23.5 kg                  | 25.5 kg                 |
|                                           | Shipping Weight (kg)                              | 24.5 kg                                             | 28.3 kg                  | 30.3 kg                 |
|                                           | Net Dimensions (WxHxD) (mm)                       | 947 x 281 x 947 mm                                  | 947 x 365 x 947 mm       | 947 x 365 x 947 mm      |
|                                           | Shipping Dimensions (WxHxD) (mm)                  | 990 x 330 x 990 mm                                  | 990 x 414 x 990 mm       | 990 x 414 x 990 mm      |
| Panel Size                                | Panel model                                       | PC4NUDMAN                                           | PC4NUDMAN                | PC4NUDMAN               |
|                                           | Panel Net Weight (kg)                             | 3.6 kg                                              | 3.6 kg                   | 3.6 kg                  |
|                                           | Shipping Weight (kg)                              | 6.3 kg                                              | 6.3 kg                   | 6.3 kg                  |
|                                           | Net Dimensions (WxHxD) (mm)                       | 1000 x 66 x 1000 mm                                 | 1000 x 66 x 1000 mm      | 1000 x 66 x 1000 mm     |
|                                           | Shipping Dimensions (WxHxD) (mm)                  | 1093 x 85 x 1083 mm                                 | 1093 x 85 x 1083 mm      | 1093 x 85 x 1083 mm     |
| Additional Accessories                    | Drain Pump                                        | Built In                                            | DC (Include)             | DC (Include)            |
|                                           | Drain Pump Max. Lifting Height/Displacement       | 750 / 24                                            | 750 / 24                 | 750 / 24                |
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] |                                                   | 1,2,220-240,50                                      | 1, 2, 220~240, 50        | 1Φ, 220~240V/50Hz       |
| Compressor                                | Type                                              | Twin BLDC                                           | Twin BLDC Rotary         | Twin BLDC Rotary        |
|                                           | Model                                             | UB4TN8200FE4                                        | UB8TN8300FJU             | UB5TN5450FJX            |
|                                           | Output(kW)                                        | 1.89 kW                                             | 2.91 kW                  | 4.25 kW                 |
|                                           | Oil (Type)                                        | POE                                                 | POE                      | POE                     |
|                                           | Oil (Initial Charge) [cc]                         | 650 cc                                              | 1200 cc                  | 1700 cc                 |
| Fan (Outdoor Unit)                        | Air Flow Rate (Cooling) [CMM]                     | 51 CMM                                              | 72 CMM                   | 110 CMM                 |
| Sound (Outdoor Unit)                      | Sound Pressure (Cooling / Heating) [dB(A)]        | 49/51 dBA                                           | 52 / 54 dBA              | 53 / 54 dBA             |
|                                           | Sound Power (Cooling) [dB(A)]                     | 65 dBA                                              | 69 dBA                   | 69 dBA                  |
| External Dimension (Outdoor Unit)         | Net Weight(kg)                                    | 51.0 kg                                             | 75.0 kg                  | 91.5 kg                 |
|                                           | Shipping Weight (kg)                              | 55.0 kg                                             | 80.0 kg                  | 100.0 kg                |
|                                           | Net Dimensions (WxHxD) (mm)                       | 880 x 798 x 310 mm                                  | 940 x 998 x 330 mm       | 940 x 1210 x 330 mm     |
|                                           | Shipping Dimensions (WxHxD) (mm)                  | 1023 x 896 x 413 mm                                 | 995 x 1096 x 426 mm      | 995 x 1388 x 426 mm     |
| Operating Temp. Range                     | Cooling (°C)                                      | -15 ~ 50 °C                                         | -15~50 °C                | -15~50 °C               |
|                                           | Heating (°C)                                      | -20 ~ 24 °C                                         | -20~24 °C                | -20~24 °C               |
| Smart                                     | WiFi Kit                                          | Optional                                            | Optional                 | Optional                |
| App Connectivity                          | SmartThings App Support                           | Yes                                                 | Yes                      | Yes                     |

## Panels



PC4NUDMAN



PC4NBDMAN



PC4NUNMAN



PC4NBNMAN

## Individual Controllers



AR-KH03E



MWR-WE13N



MWR-WG00JN



MIM-H03N