

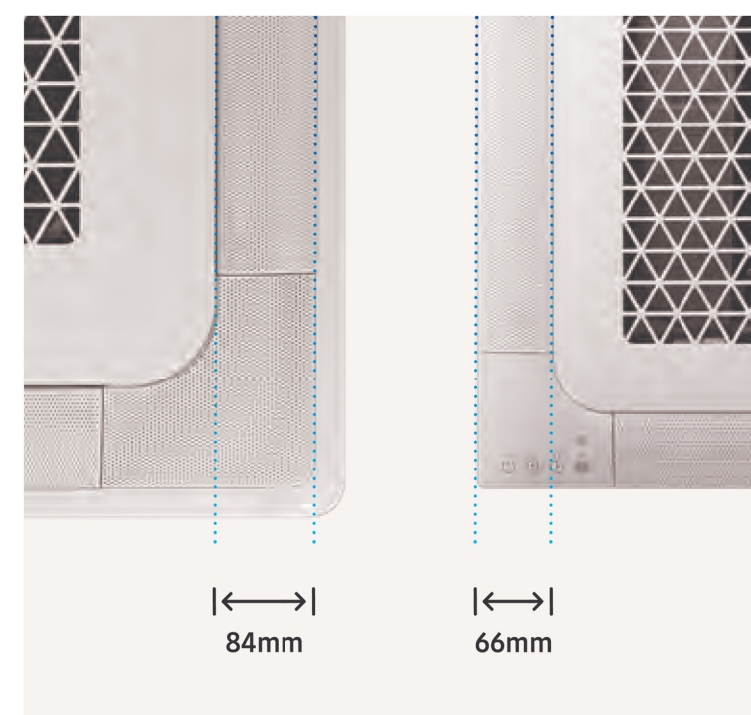
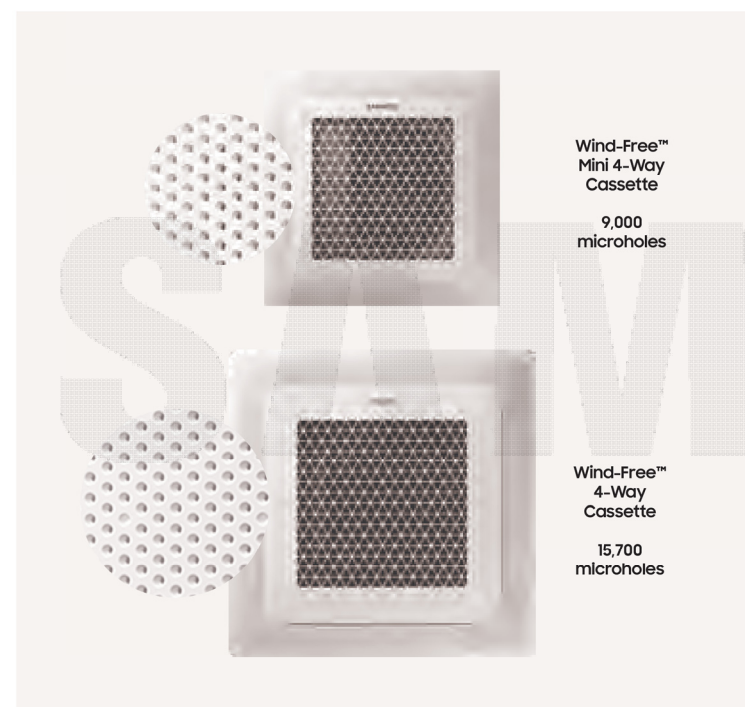
# Featured Products

## Wind-Free™ 4-Way & Mini 4-Way Cassette

### Wind-Free Technology

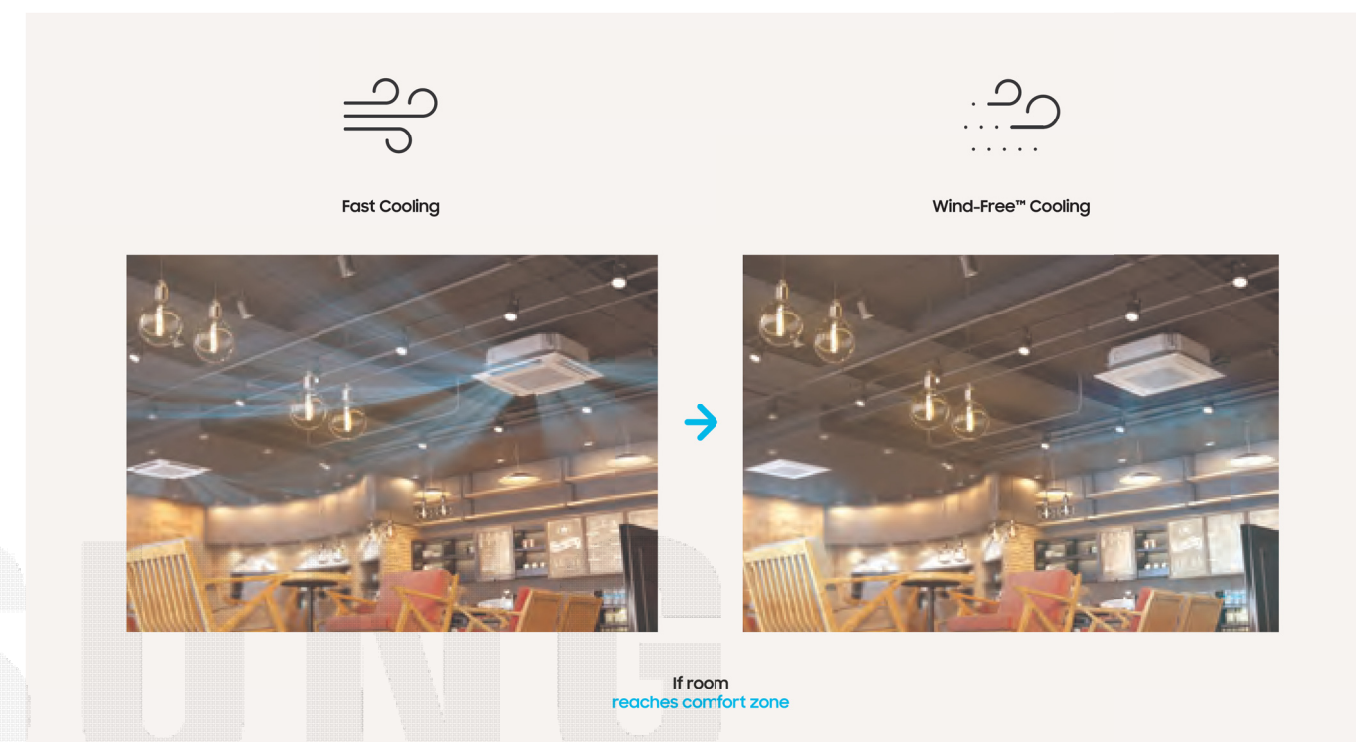
Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 4-Way Cassette pushes air out through 15,700 micro holes in the panel, while the Wind-Free™ Mini 4-Way Cassette pushes air through 9,000 micro holes in the panel. These micro holes are paramount in creating a kind of airflow called still air\*, which cools the room gradually and noticeably with no draughts.

\* ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents at speeds below 0.13m/s which lack the presence of cold drafts.



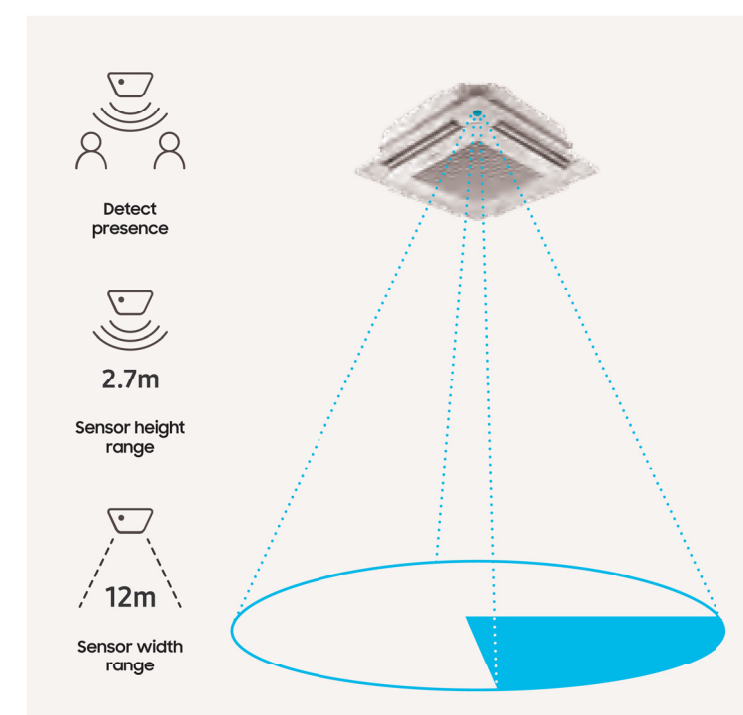
### Optimised Blades

The larger and optimised blades (84mm Wind-Free™ 4-Way Cassette, 66mm Wind-Free™ Mini 4-Way Cassette) enable a wider cooling range and improved air circulation within the room. This advanced technology also cools the space much faster, with no zone left untouched.



### Smart Comfort Operation

The Wind-Free™ 4-Way Cassette and the Wind-Free™ Mini 4-Way Cassette boast Smart Comfort Operation. An innovative 'Fast Cooling' process helps a room to reach a desired temperature quickly. By simultaneously detecting a room's humidity levels, the Smart Comfort Operation feature maintains the room's temperature automatically.



### Motion Detect Sensor

By detecting the presence and location of people in the room, the improved Motion Detect Sensor (MDS) means air cooling is efficient and airflow direction can be managed automatically.

→ For Multi Split (FJM) please see: Page 3.24  
→ For Commercial (CAC) please see: Page 4.16

Specifications



Wind-Free™ Mini 4-Way Cassette R32 NEW

| Indoor Unit<br>Outdoor Unit- Mono-Phase<br>Outdoor Unit- Tri-Phase |                                      |               | AC026RNNDKG/EU<br>AC026RXADKG/EU                    | AC035RNNDKG/EU<br>AC035RXADKG/EU | AC052RNNDKG/EU<br>AC052RXADKG/EU | AC071RNNDKG/EU<br>AC071RXADKG/EU |
|--------------------------------------------------------------------|--------------------------------------|---------------|-----------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Capacity                                                           |                                      |               |                                                     |                                  |                                  |                                  |
|                                                                    | Cooling (Min/Nominal/Max)            | kW            | 0.87 / 2.60 / 4.10                                  | 0.88 / 3.50 / 4.50               | 1.30 / 5.00 / 6.20               | 1.50 / 6.80 / 8.30               |
|                                                                    | Heating up to +7°C (Min/Nominal/Max) | kW            | 0.98 / 3.40 / 4.10                                  | 1.00 / 4.00 / 4.80               | 1.30 / 5.50 / 7.50               | 1.90 / 7.50 / 9.00               |
|                                                                    | Heating @ -5°C                       | kW            | 3.3                                                 | 3.9                              | 5.4                              | 7.4                              |
|                                                                    | Heating @ -15°C                      | kW            | 3.00                                                | 3.5                              | 4.8                              | 6.5                              |
| Performance                                                        |                                      |               |                                                     |                                  |                                  |                                  |
| Energy Efficiency Cooling                                          | SEER                                 | W/W           | 7.1 / A++                                           | 7.0 / A++                        | 6.7 / A++                        | 6.1 / A++                        |
|                                                                    | Consumption                          | kWh/a         | 128                                                 | 175                              | 261                              | 390                              |
|                                                                    | Pdesignc                             | kW            | 2.6                                                 | 3.5                              | 5.0                              | 6.8                              |
|                                                                    | EER                                  | W/W           | 3.88                                                | 3.4                              | 3.27                             | 2.47                             |
| Energy Efficiency Heating                                          | SCOP                                 | W/W           | 4.3 / A+                                            | 4.3 / A+                         | 4.2 / A+                         | 3.8 / A                          |
|                                                                    | Consumption                          | kWh/a         | 684                                                 | 684                              | 800                              | 1474                             |
|                                                                    | Pdesignh (average)                   | kW            | 2.1                                                 | 2.1                              | 2.4                              | 4.0                              |
|                                                                    | COP                                  | W/W           | 3.69                                                | 3.33                             | 3.62                             | 2.68                             |
| AirFlow Rate                                                       | Indoor Unit (High/Mid/Low)           | m3/min        | 30.0                                                | 30.0                             | 40.0                             | 51.0                             |
| Sound Power                                                        | Indoor Unit                          | dB(A)         | 48                                                  | 50                               | 56                               | 58                               |
|                                                                    | Outdoor Unit                         | dB(A)         | 59                                                  | 61                               | 62                               | 65                               |
| Sound Pressure                                                     | Indoor Unit (Silent/Low/Mid/High)    | dB(A)         | 25 / 28 / 31                                        | 25 / 30 / 34                     | 29 / 34 / 39                     | 36 / 39 / 42                     |
|                                                                    | Outdoor Unit                         | dB(A)         | 46/47                                               | 48/48                            | 48/48                            | 49/51                            |
| Fan/ Outdoor unit                                                  | Type                                 |               | Turbo                                               | Turbo                            | Turbo                            | Turbo                            |
|                                                                    | Power                                | W             | 65                                                  | 65                               | 65                               | 65                               |
|                                                                    | Number                               | EA            | 1                                                   | 1                                | 1                                | 1                                |
| External Static Pressure                                           | Min / Std / Max                      | Pa            |                                                     |                                  |                                  |                                  |
| Operating Temp. Range                                              | Cooling                              | °C            | -15 ~ 46                                            | -15 ~ 46                         | -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/ # |                                                     |                                  |                                  |                                  |
| Compressor Type                                                    | Outdoor Unit                         | Type          | Single BLDC                                         | Single BLDC                      | Twin BLDC                        | Twin BLDC                        |
| Power (Min/ Nominal/Max)                                           | Cooling                              | kW            | 0.16 / 0.67 / 1.20                                  | 0.18 / 1.03 / 1.40               | 0.31 / 1.53 / 2.10               | 0.35 / 2.75 / 3.60               |
|                                                                    | Heating                              | kW            | 0.20 / 0.92 / 1.45                                  | 0.19 / 1.20 / 1.80               | 0.35 / 1.52 / 2.40               | 0.35 / 2.80 / 3.95               |
| Current Input                                                      | Cooling (Min/Std/Max)                | A             | 1.3 / 3.5 / 5.5                                     | 1.4 / 5.0 / 6.0                  | 2.6 / 7.0 / 9.5                  | 2.0 / 12.0 / 16.0                |
|                                                                    | Heating (Min/Std/Max)                | A             | 1.3 / 4.6 / 7.0                                     | 1.3 / 5.7 / 10.5                 | 2.9 / 7.0 / 11.0                 | 2.0 / 12.0 / 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            | 575 x 250 x 575                                     | 575 x 250 x 575                  | 575 x 250 x 575                  | 575 x 250 x 575                  |
|                                                                    | Outdoor Unit                         | mm            | 790 x 548 x 285                                     | 790 x 548 x 285                  | 880 x 638 x 310                  | 880 x 798 x 310                  |
| Net Weight                                                         | Indoor Unit                          | kg            | 11.5                                                | 11.5                             | 12.0                             | 12.0                             |
|                                                                    | Outdoor Unit                         | kg            | 32.5                                                | 32.5                             | 43.0                             | 51.0                             |
| Refrigerant                                                        |                                      |               |                                                     |                                  |                                  |                                  |
| Refrigerant                                                        | Type                                 |               | R32(Contains fluorinated greenhouse gases. GWP=675) |                                  |                                  |                                  |
|                                                                    | Factory charging                     | kg            | 0.9 / 20m                                           | 0.9 / 20m                        | 1.2 / 10m                        | 1.7 / 15m                        |
|                                                                    | Charging Ton equivalent CO2          | tCO2e         | 0.61 tCO2e                                          | 0.61 tCO2e                       | 0.81 tCO2e                       | 1.15 tCO2e                       |
|                                                                    | Additional refrigerant charging      | g / m         | -                                                   | -                                | 15                               | 25                               |
| Piping Connections                                                 | Liquid Pipe                          | Φ.inch        | 1 / 4                                               | 1 / 4                            | 1 / 4                            | 1 / 4                            |
|                                                                    | Gas Pipe                             | Φ.inch        | 3 / 8                                               | 3 / 8                            | 1 / 2                            | 5 / 8                            |
| Piping Length                                                      | Min/ Max                             | m             | 3 / 20                                              | 3 / 20                           | 3 / 30                           | 3 / 50                           |
| Piping Height                                                      | Max                                  | m             | 15                                                  | 15                               | 20                               | 30                               |
| Piping Connections                                                 | Drain pipe                           | Φ.mm          | ID 18                                               | ID 18                            | ID 18                            | ID 18                            |
| Others                                                             |                                      |               |                                                     |                                  |                                  |                                  |
| Panel                                                              | Model code                           |               | PC4SUFMAN                                           | PC4SUFMAN                        | PC4SUFMAN                        | PC4SUFMAN                        |
|                                                                    | Net Dimensions (W x H x D)           | mm            | 620 x 46 x 620                                      | 620 x 46 x 620                   | 620 x 46 x 620                   | 620 x 46 x 620                   |
|                                                                    | Net Weight                           | kg            | 2.7                                                 | 2.7                              | 2.7                              | 2.7                              |
| Accessoires                                                        | Drain pump                           |               | included                                            | included                         | included                         | included                         |
|                                                                    | Max lifting height/ displacement     | mm / l/h      | 750/24                                              | 750/24                           | 750/24                           | 750/24                           |

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
  - Four-way air supply via independently adjustable blades.
  - Blade angle between 32° and 75°; Blade width 66mm.
- Built-in humidity sensor.
  - Built-in condensation drain pump (750 mmH2O).

| Accessories                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Individual Controllers (Optional)                                                   |                                                                                     |                                                                                     | Panel (Mandatory)                                                                   |                                                                                     |
|  |  |  |  |  |
| AR-EH03E                                                                            | MWR-SH00N                                                                           | MWR-SH11N                                                                           | MWR-WE13N                                                                           | PC4SUFMAN                                                                           |

