



## WindFree™ 1-Way Cassette

- Cooling/heating power compared to larger units.
- WindFree™ Cooling- 9000 micro air holes ensure a gentle dispersed airflow with no cold draft.
- Digital Inverter technology ensures fast economical heating/cooling.
- Blade angles can move from 30-80° angles to reach every corner of the room.
- Attractive panel and display that promotes a neat look for an aesthetic flair that blends perfectly with any ambiance.
- Up to 50% less energy usage compared to non-inverter units.
- Cools in outdoor heat of up to 48°C and warms in temperatures of -24°C.
- Eco-friendly R32 Refrigerant.



# Keeps you comfortable without a breeze.

Slim and compact for smaller areas, 1-Way WindFree™ Cassettes deliver powerful, fast cooling/heating while 9000 micro air holes ensure a gentle dispersed air flow. Samsung's Smart Inverter technology ensures minimal energy consumption: up to 50% less energy usage compared with non-inverter units. The result is the best of both worlds for customers who demand the ultimate in climate control.



| Model Code                                |  | AC026RN1DKG/EU                                      | AC035RN1DKG/EU                                      |
|---|--|---|---|
| Features                                  | Type                                   | 2.6kW-1Φ-Slim 1way                                  | 3.5kW-1Φ-Slim 1way                                  |
| Model Name                                | Indoor Unit                            | AC026RN1DKG/EU                                      | AC035RN1DKG/EU                                      |
|   | Outdoor Unit                           | AC026RXADKG/EU                                      | AC035RXADKG/EU                                      |
| System                                    | Mode                                   | HEAT PUMP   | HEAT PUMP   |
| Capacity                                  | Cooling [kW]                           | 0.82 / 2.60 / 3.80 kW                               | 0.85 / 3.50 / 4.20 kW                               |
|   | Heating [kW]                           | 0.98 / 3.30 / 4.40 kW                               | 1.00 / 4.00 / 5.00 kW                               |
| Power Input (Nominal)                     | Cooling 1)                             | 0.17 / 0.72 / 1.16 kW                               | 0.18 / 1.09 / 1.40 kW                               |
|   | Heating 2)                             | 0.20 / 1.01 / 1.45 kW                               | 0.19 / 1.28 / 1.80 kW                               |
| Current Input (Nominal)                   | Cooling 1)                             | 1.2 / 3.8 / 5.4 A                                   | 1.6 / 5.3 / 7.5 A                                   |
|   | Heating 2)                             | 1.4 / 5.0 / 7.0 A                                   | 1.3 / 6.2 / 10.5 A                                  |
| Power                                     | MCA [A]                                | 11.0 A  | 11.0 A  |
|   | MFA [A]                                | 12.5 A  | 12.5 A  |
| Energy Efficiency                         | Energy Grade (Cooling)                 | SEER 6.4 (A++)                                      | SEER 6.2 (A++)                                      |
|   | Energy Grade (Heating)                 | SCOP 4.0 (A+)                                       | SCOP 4.0 (A+)                                       |
| Piping Connections                        | Liquid Pipe (Φ, mm)                    | 6.35 mm   | 6.35 mm   |
|   | Liquid Pipe (Φ, inch)                  | 1/4"  | 1/4"  |
|   | Gas Pipe (Φ, mm)                       | 9.52 mm   | 9.52 mm   |
|   | Gas Pipe (Φ, inch)                     | 3/8"  | 3/8"  |
|   | Installation Max. Length [m]           | 20 m  | 20 m  |
|   | Installation Max. Height [m]           | 15 m  | 15 m  |
| Field Wiring                              | Transmission Cable                     | 0.75↑   | 0.75↑   |
| Refrigerant                               | Type                                   | R32(Contains fluorinated greenhouse gases, GWP=675) | R32(Contains fluorinated greenhouse gases, GWP=675) |
|   | Control Method                         | EEV   | EEV   |
|   | Factory Charging (kg)                  | 0.90 kg   | 0.90 kg   |
|   | Factory Charging (tCO <sub>2</sub> e)  | 0.61 tCO <sub>2</sub> e                             | 0.61 tCO <sub>2</sub> e                             |
| Power Supply (Indoor Unit) [Φ, #, V, Hz]  |  | 1,2,220-240,50                                      | 1,2,220-240,50                                      |
| Fan                                       | Type                                   | Crossflow Fan                                       | Crossflow Fan                                       |
|   | Motor (Output) [W]                     | 27 W  | 27 W  |
|   | Number of Unit (EA)                    | 1 EA  | 1 EA  |
|   | Air Flow Rate (High / Mid / Low) [CMM] | 7.3/6.5/5.8 CMM                                     | 9.0/8.2/7.2 CMM                                     |
| Drain                                     | Drain Pipe (Φ,mm)                      | VP20(OD26/ID20) mm                                  | VP20(OD26/ID20) mm                                  |
| Sound                                     | Sound Pressure (High / Mid / Low)      | 32 / 29 / 26/ 25 dBA                                | 35 / 32 / 29 / 28 dBA                               |
|   | Sound Power (Cooling) [dB(A)]          | 52 dBA  | 55 dBA  |
| External Dimension (Indoor Unit)          | Net Weight(kg)                         | 9.2 kg  | 9.2 kg  |
|   | Shipping Weight (kg)                   | 12.0 kg   | 12.0 kg   |
|   | Net Dimensions (WxHxD) (mm)            | 970 x 135 x 410 mm                                  | 970 x 135 x 410 mm                                  |
|   | Shipping Dimensions (WxHxD) (mm)       | 1173 x 231 x 487 mm                                 | 1173 x 231 x 487 mm                                 |
| Panel Size                                | Panel model                            | PC1NWFMAN   | PC1NWFMAN   |
|   | Panel Net Weight (kg)                  | 4.3 kg  | 4.3 kg  |
|   | Shipping Weight (kg)                   | 6.3 kg  | 6.3 kg  |
|   | Net Dimensions (WxHxD) (mm)            | 1198 x 35 x 500 mm                                  | 1198 x 35 x 500 mm                                  |
| Additional Accessories                    | Shipping Dimensions (WxHxD) (mm)       | 1262 x 122 x 566 mm                                 | 1262 x 122 x 566 mm                                 |
|   | Drain Pump                             | Built In  | Built In  |
|   | Drain Pump Max. Lifting                | 750/24  | 750/24  |
| Power Supply (Outdoor Unit) [Φ, #, V, Hz] |  | 1,2,220-240,50                                      | 1,2,220-240,50                                      |
| Compressor                                | Type                                   | Single BLDC   | Single BLDC   |
|   | Model                                  | UB9AK5090FER  | UB9AK5090FER  |
|   | Output(kW)                             | 0.86 kW   | 0.86 kW   |
|   | Oil (Type)                             | POE   | POE   |
|   | Oil (Initial Charge) [cc]              | 320 cc  | 320 cc  |
| Fan (Outdoor Unit)                        | Air Flow Rate (Cooling) [CMM]          | 30 CMM  | 30 CMM  |
| Sound (Outdoor Unit)                      | Sound Pressure (Cooling / Heating)     | 46/47 dBA   | 48/48 dBA   |
|   | Sound Power (Cooling) [dB(A)]          | 59 dBA  | 61 dBA  |
| External Dimension (Outdoor Unit)         | Net Weight(kg)                         | 32.5 kg   | 32.5 kg   |
|   | Shipping Weight (kg)                   | 35.5 kg   | 35.5 kg   |
|   | Net Dimensions (WxHxD) (mm)            | 790 x 548 x 285 mm                                  | 790 x 548 x 285 mm                                  |
|   | Shipping Dimensions (WxHxD) (mm)       | 913 x 622 x 371 mm                                  | 913 x 622 x 371 mm                                  |
| Operating Temp. Range                     | Cooling ( °C)                          | -15 ~ 46 °C   | -15 ~ 46 °C   |
|   | Heating (°C)                           | -20 ~ 24 °C   | -20 ~ 24 °C   |
| Smart                                     | WiFi Kit                               | Optional  | Optional  |
| App Connectivity                          | SmartThings App Support                | Yes   | Yes   |