

# Specifications

## WindFree™ Elite S2 R32

- Three-step cooling:  
Fast Cooling mode, Dehumidification mode and Wind Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller included.
- Freezewash



|                             |                                         |                    | Indoor Unit  | AR70F09CAAWNEU                                         | AR70F12CAAWNEU         |
|-----------------------------|-----------------------------------------|--------------------|--------------|--------------------------------------------------------|------------------------|
|                             |                                         |                    | Outdoor Unit | AR70F09CAAWXEU                                         | AR70F12CAAWXEU         |
| Capacity                    |                                         |                    |              |                                                        |                        |
| Capacity                    | Cooling (Nominal)                       | kW                 |              | 2.5                                                    | 3,5                    |
|                             | Cooling (Min–Max)                       | kW                 |              | 1.0–4.0                                                | 1.0–4.8                |
|                             | Heating @ +7 °C                         | kW                 |              | 3.2                                                    | 4.0                    |
|                             | Heating (Min–Max)                       | kW                 |              | 0.7–7.1                                                | 0.8–7.3                |
|                             | Heating @ -5 °C                         | kW                 |              | 4.47                                                   | 5.04                   |
|                             | Heating @ -10 °C                        | kW                 |              | 4.42                                                   | 4.82                   |
|                             | Heating @ -15 °C                        | kW                 |              | 3.79                                                   | 4.18                   |
| Performance                 |                                         |                    |              |                                                        |                        |
| Energy Efficiency Cooling   | SEER <sup>1</sup>                       | W/W                |              | 9.5/ <span>A+++</span>                                 | 8.5/ <span>A+++</span> |
|                             | Power Consumption                       | kWh/a              |              | 92                                                     | 139                    |
|                             | Pdesignnc                               | kW                 |              | 2.5                                                    | 3.5                    |
|                             | EER                                     | W/W                |              | 4,67                                                   | 4,07                   |
| Energy Efficiency Heating   | SCOP <sup>1</sup>                       | W/W                |              | 5.1/ <span>A+++</span>                                 | 5.1/ <span>A+++</span> |
|                             | Power Consumption                       | kWh/a              |              | 659                                                    | 659                    |
|                             | Pdesignnh (average)                     | kW                 |              | 2.4                                                    | 2.4                    |
|                             | COP <sup>1</sup>                        | W/W                |              | 4,74                                                   | 4,26                   |
| Moisture Removal            |                                         | l/h                |              | 1.0                                                    | 1.5                    |
| Maximum Airflow (Cooling)   | Indoor Unit                             | m³/min             |              | 11.1                                                   | 12.1                   |
|                             | Outdoor Unit                            | m³/min             |              | 45.0                                                   | 45.0                   |
| Sound Power                 | Indoor Unit (Cooling)                   | dB(A)              |              | 56                                                     | 58                     |
|                             | Outdoor Unit (Cooling)                  | dB(A)              |              | 59                                                     | 62                     |
| Sound Pressure              | Indoor Unit High/Silent Mode            | dB(A)              |              | 38/16                                                  | 40/16                  |
|                             | Outdoor Unit High                       | dB(A)              |              | 45                                                     | 46                     |
| Operating Temperature Range | Cooling                                 | °C                 |              | -10–46                                                 | -10–46                 |
|                             | Heating                                 | °C                 |              | -15–24                                                 | -15–24                 |
| Electrical Data             |                                         |                    |              |                                                        |                        |
| Power Source                |                                         | Φ, V, Hz           |              | 1Φ, 220–240 V, 50 Hz                                   | 1Φ, 220–240 V, 50 Hz   |
| Compressor Type             | Outdoor Unit                            | Type               |              | Twin Rotary                                            | Twin Rotary            |
| Power Consumption           | Cooling                                 | W                  |              | 535                                                    | 860                    |
|                             | Heating                                 | W                  |              | 675                                                    | 940                    |
| Operating Current           | Cooling                                 | A                  |              | 2.9                                                    | 4.1                    |
|                             | Heating                                 | A                  |              | 3.4                                                    | 4.4                    |
| Dimensions                  |                                         |                    |              |                                                        |                        |
| Net Dimensions (W x H x D)  | Indoor Unit                             | mm                 |              | 889 x 299 x 215                                        | 889 x 299 x 215        |
|                             | Outdoor Unit                            | mm                 |              | 790 x 548 x 285                                        | 790 x 548 x 285        |
| Net Weight                  | Indoor Unit                             | kg                 |              | 10.5                                                   | 10.5                   |
|                             | Outdoor Unit                            | kg                 |              | 30,7                                                   | 30,7                   |
| Refrigerant                 |                                         |                    |              |                                                        |                        |
| Refrigerant                 | Type                                    |                    |              | R32 (contains fluorinated greenhouse gases. GWP = 675) |                        |
|                             | Charging (for 5 m)                      | kg                 |              | 0.97                                                   | 0.97                   |
|                             | Charging Ton Equivalent CO <sub>2</sub> | tCO <sub>2</sub> e |              | 0.65                                                   | 0.65                   |
|                             | Additional Refrigerant Charging         | g/m                |              | 15                                                     | 15                     |
| Piping Connections          | Liquid Pipe                             | ø, mm (inch)       |              | 6.35 (1/4)                                             | 6.35 (1/4)             |
|                             | Gas Pipe                                | ø, mm (inch)       |              | 9.52 (3/8)                                             | 9.52 (3/8)             |
| Piping Length               | Min/Max (ODU to IDU)                    | m                  |              | 3/20                                                   | 3/20                   |
| Piping Height               | Max                                     | m                  |              | 10                                                     | 10                     |
| Piping Connections          | Drain Pipe                              | ø, mm              |              | ø16.3, 550 mm                                          | ø16.3, 550 mm          |

<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.



|                  |                                                    | Indoor Unit  | AR70F09CAAWNEU | AR70F12CAAWNEU |
|------------------|----------------------------------------------------|--------------|----------------|----------------|
|                  |                                                    | Outdoor Unit | AR70F09CAAWXEU | AR70F12CAAWXEU |
| Functions        |                                                    |              |                |                |
| Airflow          | WindFree™ Cooling                                  |              | ●              | ●              |
|                  | Air Direction Control (Up/Down)                    |              | Auto           | Auto           |
|                  | Air Direction Control (Left/Right)                 |              | Auto           | Auto           |
|                  | Auto Fan Speed                                     |              | ●              | ●              |
| Air Purification | Tri-Care Filter                                    |              | ●              | ●              |
|                  | Easy Filter Plus                                   |              | ●              | ●              |
|                  | Auto Clean (Self-Cleaning)                         |              | ●              | ●              |
| Operating Mode   | AI Auto Comfort with Wi-Fi & MDS (direct/indirect) |              | ●              | ●              |
|                  | AI Auto Comfort with Wi-Fi                         |              | ●              | ●              |
|                  | Auto Mode (without Wi-Fi)                          |              | -              | -              |
|                  | Fast Cooling                                       |              | ●              | ●              |
|                  | Good Sleep                                         |              | ●              | ●              |
|                  | Eco                                                |              | ●              | ●              |
|                  | Dehumidification                                   |              | ●              | ●              |
|                  | Fan                                                |              | ●              | ●              |
|                  | Quiet                                              |              | ●              | ●              |
|                  | Other Functions                                    |              |                |                |
|                  | Samsung SmartThings                                |              | ●              | ●              |
|                  | MDS (Motion Detect Sensor)                         |              | ●              | ●              |
|                  | Indoor Temperature Display                         |              | ●              | ●              |
|                  | Display On/Off                                     | 88 Display   | ●              | ●              |
|                  | Beep On/Off                                        |              | ●              | ●              |
|                  | Auto Changeover                                    |              | ●              | ●              |
|                  | Auto Restart                                       |              | ●              | ●              |

## Controls and Accessories



| Wireless SolarCell Remote Controller (included) | Advanced Wired Controller <sup>3</sup> | Simple Type Controller <sup>3</sup> | Touch Controller <sup>3</sup> |
|-------------------------------------------------|----------------------------------------|-------------------------------------|-------------------------------|
|                                                 | MWR-WG01JN/MWR-WG01KN                  | MWR-SH00N                           | MWR-SH11N                     |

<sup>3</sup> MIM-A00N Interface is required for the connection to wired remote controllers.