

# SFZ SERIES

The concealed floor standing type indoor unit is newly introduced to the S-series and can be neatly installed in the perimeter zone. High energy efficiency is achieved across all capacity range. External static pressure, airflow rate, and air intake direction can be selected according to the customer's choice.

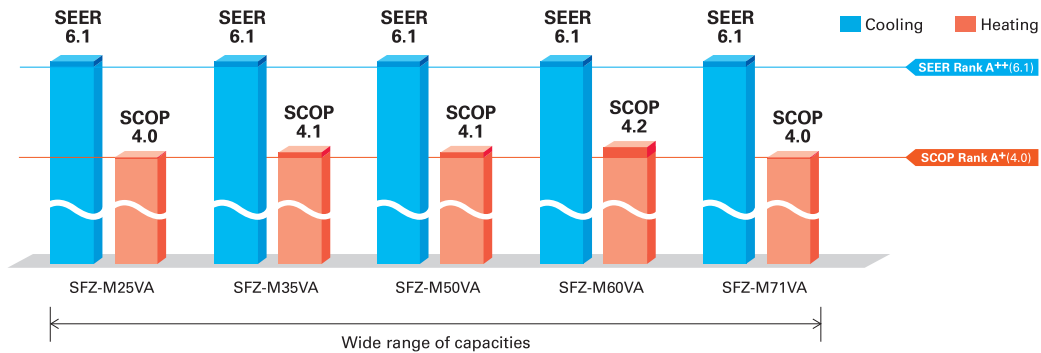
R32



SFZ-M25/35/50/60/71VA

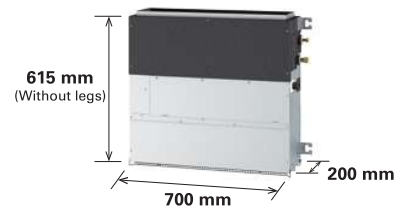
## A wide lineup offering high energy efficiency

The SFZ series achieves an A++ rating on the SEER index, and an A+ rating on the SCOP index for all capacity range. No matter which capacity you select, the series offers a high level of energy efficiency.



## Compact body and small footprint

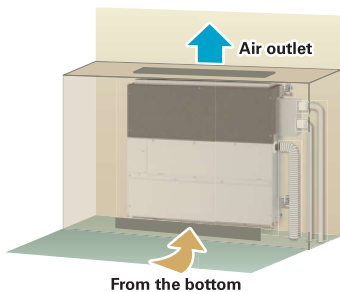
With the control box built inside the unit, the compact body and small footprint are realized. This allows the unit to be installed within a small perimeter zone.



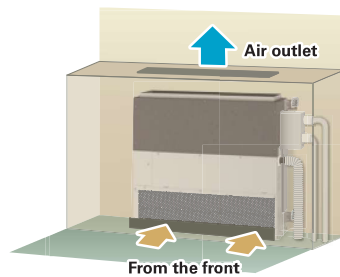
## Flexible installation

Air inlet direction from the bottom or front can be selected by changing panel, fan guard and filter.

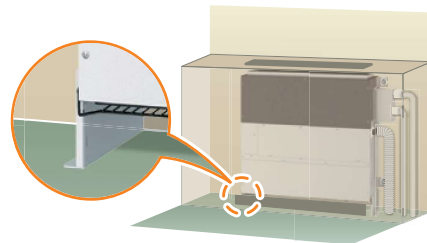
### Bottom suction \*1



### Front suction \*2



### Installation with legs



\*Height of unit (with legs) is 690 mm.  
\*Legs are supplied as accessory with the unit.

\*1 Select a site where the flow of supply air is not blocked. The unit cannot be placed directly on the floor in the case of bottom suction.

\*2 Unit with front suction generate more noise compared to bottom suction. Not recommended to be installed in rooms such as bedrooms where quietness is valued.

## Fan speed

Airflow rate can be selected from 3 patterns; Low-Medium-High.

## External static pressure

Four levels of static pressure are available. The ability to select additional static pressure provides flexibility for air outlet configuration.

SFZ-M25/35/50/60/71VA <0>/<25>/<40>/<60> Pa

The factory setting of external static pressure is shown without brackets (<>). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.

# SFZ-M SERIES

## Indoor Unit

R32



SFZ-M25/35/50/60/71VA

## Outdoor Unit

R32



SUZ-M25/35VA

R32



SUZ-M50VA

R32



SUZ-M60/71VA

## Remote Controller



PAR-40MAA  
\*Optional



PAR-CT01MAA  
\*Optional



PAC-YT52CRA  
\*Optional

| Type                                 |                                  | Inverter Heat Pump              |              |                             |                             |                             |                               |                               |                 |
|--------------------------------------|----------------------------------|---------------------------------|--------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-----------------|
| Indoor Unit                          |                                  | SFZ-M25VA                       | SFZ-M35VA    | SFZ-M50VA                   | SFZ-M60VA                   | SFZ-M71VA                   |                               |                               |                 |
| Outdoor Unit                         |                                  | SUZ-M25VA                       | SUZ-M35VA    | SUZ-M50VA                   | SUZ-M60VA                   | SUZ-M71VA                   |                               |                               |                 |
| Refrigerant*1                        |                                  | R32*1                           |              |                             |                             |                             |                               |                               |                 |
| Power Supply                         |                                  | Outdoor power supply            |              |                             |                             |                             |                               |                               |                 |
| Source                               |                                  | 230 / Single / 50               |              |                             |                             |                             |                               |                               |                 |
| Outdoor (V/Phase/Hz)                 |                                  | 230 / Single / 50               |              |                             |                             |                             |                               |                               |                 |
| Cooling                              | Capacity                         | Rated                           | kW           | 2.5                         | 3.5                         | 5.0                         | 6.1                           | 7.1                           |                 |
|                                      |                                  | Min - Max                       | kW           | 1.5 - 3.2                   | 0.7 - 3.9                   | 1.1 - 5.6                   | 1.6 - 6.3                     | 1.9 - 8.1                     |                 |
|                                      | Total Input                      | Rated                           | kW           | 0.641                       | 1.000                       | 1.470                       | 1.848                         | 2.151                         |                 |
|                                      | EER                              |                                 |              | 3.90                        | 3.50                        | 3.40                        | 3.30                          | 3.30                          |                 |
|                                      | Design Load                      |                                 | kW           | 2.5                         | 3.5                         | 5.0                         | 6.1                           | 7.1                           |                 |
|                                      | Annual Electricity Consumption*2 |                                 | kWh/a        | 143                         | 199                         | 284                         | 346                           | 403                           |                 |
|                                      | SEER*4 *5                        |                                 |              | 6.1                         | 6.1                         | 6.1                         | 6.1                           | 6.1                           |                 |
|                                      |                                  | Energy Efficiency Class         |              | A++                         | A++                         | A++                         | A++                           | A++                           |                 |
| Heating (Average Season)             | Capacity                         | Rated                           | kW           | 3.2                         | 4.1                         | 6.0                         | 7.0                           | 8.0                           |                 |
|                                      |                                  | Min - Max                       | kW           | 1.2 - 4.2                   | 1.0 - 5.0                   | 1.5 - 7.2                   | 1.6 - 8.0                     | 2.0 - 10.2                    |                 |
|                                      | Total Input                      | Rated                           | kW           | 0.886                       | 1.051                       | 1.617                       | 1.886                         | 2.156                         |                 |
|                                      | COP                              |                                 |              | 3.61                        | 3.90                        | 3.71                        | 3.71                          | 3.71                          |                 |
|                                      | Design Load                      |                                 | kW           | 2.2                         | 2.6                         | 4.3                         | 4.6                           | 5.8                           |                 |
|                                      | Declared Capacity                | at reference design temperature | kW           | 2.0 (-10°C)                 | 2.3 (-10°C)                 | 3.3 (-10°C)                 | 4.1 (-10°C)                   | 5.2 (-10°C)                   |                 |
|                                      |                                  | at bivalent temperature         | kW           | 2.0 (-7°C)                  | 2.3 (-7°C)                  | 3.8 (-7°C)                  | 4.1 (-7°C)                    | 5.2 (-7°C)                    |                 |
|                                      |                                  | at operation limit temperature  | kW           | 2.0 (-10°C)                 | 2.3 (-10°C)                 | 3.3 (-10°C)                 | 4.1 (-10°C)                   | 5.2 (-10°C)                   |                 |
|                                      | Back Up Heating Capacity         |                                 | kW           | 0.2                         | 0.3                         | 1.0                         | 0.5                           | 0.6                           |                 |
|                                      | Annual Electricity Consumption*2 |                                 | kWh/a        | 766                         | 887                         | 1467                        | 1532                          | 1997                          |                 |
| SCOP*4 *5                            |                                  |                                 | 4.0          | 4.1                         | 4.1                         | 4.2                         | 4.0                           |                               |                 |
|                                      |                                  | Energy Efficiency Class         |              | A+                          | A+                          | A+                          | A+                            | A+                            |                 |
| Operating Current (max)              |                                  |                                 | A            | 7.2                         | 8.9                         | 14.1                        | 15.4                          | 15.6                          |                 |
| Indoor Unit                          | Input                            | Rated                           | kW           | 0.041                       | 0.044                       | 0.072                       | 0.078                         | 0.095                         |                 |
|                                      |                                  | Operating Current (max)         | A            | 0.44                        | 0.44                        | 0.61                        | 0.64                          | 0.76                          |                 |
|                                      | Dimensions <Panel>*6 *7          | H x W x D                       | mm           | 615 (690) - 797 (700) - 200 | 615 (690) - 997 (900) - 200 | 615 (690) - 997 (900) - 200 | 615 (690) - 1197 (1100) - 200 | 615 (690) - 1197 (1100) - 200 |                 |
|                                      | Weight <Panel>                   |                                 | kg           | 18.5                        | 22.5                        | 22.5                        | 25.5                          | 25.5                          |                 |
|                                      | Air Volume [Lo-Mid-Hi]           |                                 | m³/min       | 5.5 - 7 - 9                 | 7 - 9 - 11                  | 10 - 12.5 - 15              | 12 - 15 - 18                  | 12 - 16 - 20                  |                 |
|                                      | External Static Pressure*8       |                                 | Pa           | <0> / 25 / <40> / <60>      | <0> / 25 / <40> / <60>      | <0> / 25 / <40> / <60>      | <0> / 25 / <40> / <60>        | <0> / 25 / <40> / <60>        |                 |
|                                      | Sound Level (SPL)*9 [Lo-Mid-Hi]  |                                 | dB(A)        | 25 - 29 - 35                | 25 - 29 - 33                | 30 - 35 - 39                | 30 - 35 - 39                  | 30 - 36 - 42                  |                 |
|                                      | Sound Level (PWL)                |                                 | dB(A)        | 54                          | 53                          | 59                          | 59                            | 61                            |                 |
|                                      | Outdoor Unit                     | Dimensions                      | H x W x D    | mm                          | 550 - 800 - 285             | 550 - 800 - 285             | 714 - 800 - 285               | 880 - 840 - 330               | 880 - 840 - 330 |
|                                      |                                  |                                 | Weight       |                             | kg                          | 30                          | 35                            | 41                            | 54              |
| Air Volume                           |                                  | Cooling                         | m³/min       | 36.3                        | 34.3                        | 45.8                        | 50.1                          | 50.1                          |                 |
|                                      |                                  | Heating                         | m³/min       | 34.6                        | 32.7                        | 43.7                        | 50.1                          | 50.1                          |                 |
| Sound Level (SPL)                    |                                  | Cooling                         | dB(A)        | 45                          | 48                          | 48                          | 49                            | 49                            |                 |
|                                      |                                  | Heating                         | dB(A)        | 46                          | 48                          | 49                          | 51                            | 51                            |                 |
| Sound Level (PWL)                    |                                  | Cooling                         | dB(A)        | 59                          | 59                          | 64                          | 65                            | 66                            |                 |
|                                      |                                  | Operating Current (max)         |              | A                           | 6.8                         | 8.5                         | 13.5                          | 14.8                          | 14.8            |
| Breaker Size                         |                                  |                                 | A            | 10                          | 10                          | 20                          | 20                            | 20                            |                 |
| Ext. Piping                          |                                  | Diameter                        | Liquid / Gas | mm                          | 6.35 / 9.52                 | 6.35 / 9.52                 | 6.35 / 12.7                   | 6.35 / 15.88                  | 9.52 / 15.88    |
|                                      | Out-In                           |                                 | m            | 20                          | 20                          | 30                          | 30                            | 30                            |                 |
|                                      | Max. Height                      | Out-In                          | m            | 12                          | 12                          | 30                          | 30                            | 30                            |                 |
| Guaranteed Operating Range [Outdoor] | Cooling*3                        | °C                              | -10 ~ +46    | -10 ~ +46                   | -15 ~ +46                   | -15 ~ +46                   | -15 ~ +46                     |                               |                 |
|                                      | Heating                          | °C                              | -10 ~ +24    | -10 ~ +24                   | -10 ~ +24                   | -10 ~ +24                   | -10 ~ +24                     |                               |                 |

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

\*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 SEER/SCOP are measured at ESP 25Pa.

\*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

\*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

\*6 The height that includes the duct flange is 638 (713) mm. The values in ( ) show the height of unit with leg.

\*7 The width includes the pipe cover (sheet metal). The values in ( ) show the width that does not include the pipe cover.

\*8 The factory setting of ESP is shown without < >.

\*9 SPL measured at ESP 25Pa.