# SLZ SERIES

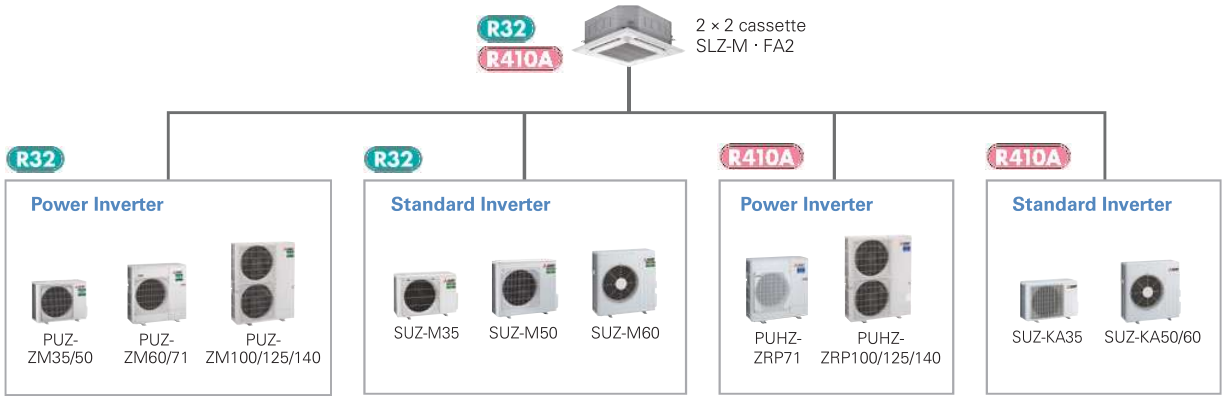
Compact, lightweight ceiling cassette units with 4-way air outlets provide maximum comfort by evenly distributing airflow throughout the entire room.

R32
R410A

SLZ-M15/25/35/50/60FA2

## 2x2 Cassette Line-up

The SLZ series was previously only able to be connected to standard inverters and some power inverters. However, it can now also be connected to low-capacity power inverters. The ability to connect to a high-performance power inverter allows us to offer a wider range of options to our customers.



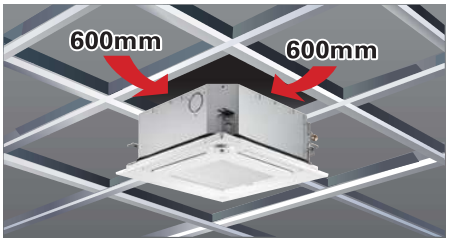

## New lineup

1.5kW has been introduced for multi connection. The diverse selection enables the best solution for both customer and location.

| Capacity | 15 | 25 | 35 | 50 | 60 |
|---|---|---|---|---|---|
| SLZ-KF | | ✓ | ✓ | ✓ | ✓ |
| SLZ-M | ✓ | ✓ | ✓ | ✓ | ✓ |

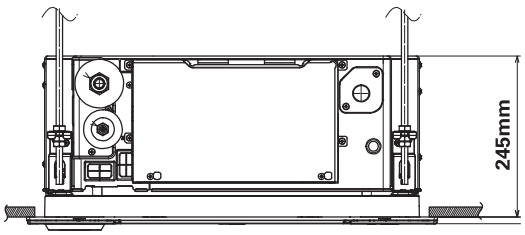
## Beautiful design

The straight-line form introduced has resulted in a beautiful square design.
Its high affinity ensures the ability to blend in seamlessly with any interior.
The indoor unit is an ideal match for office or store use.
Of course, design matched 2×2 (600mm*600mm) ceiling construction specifications.



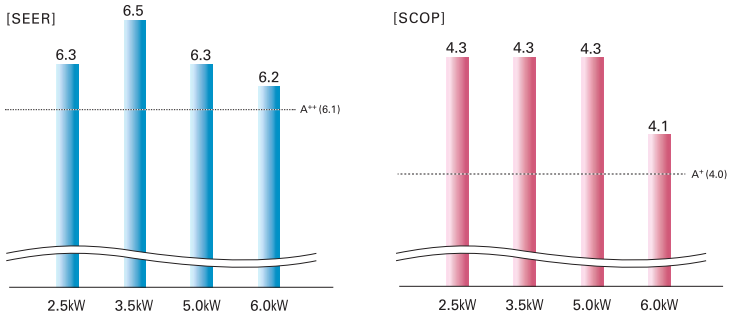

## The height above ceiling of 245mm

The height above ceiling of 245mm enables fitting into narrow ceiling space.
Installation is simple, even when the ceiling spaces are narrow to make the ceilings higher.
Of course, in addition to our products, replacing competitors' product is simplified too.



## Energy-saving Performance*

The energy-saving performance achieved A++ in SEER and A+ in SCOP.
*In case of connecting with SUZ-KA-VA6



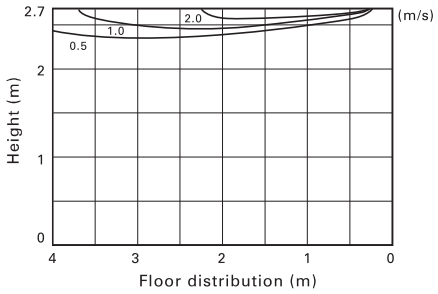

## Quietness

Low sound level has been realized by introduction of 3D turbo fan. New SLZ can give users quieter and move comfortable room condition.

## Horizontal Airflow

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

[Airflow distribution]*
SLZ-M60FA
Flow angle,cooling at 20°C (ceiling height 2.7m)




*Vane angle: Horizontal

## Easy installation

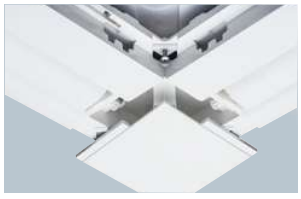
### Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during temporary panel installation.

### No need to remove screws

Installation is possible without removing the screws for control box simply loosen them. This eliminates the risk of losing screws.

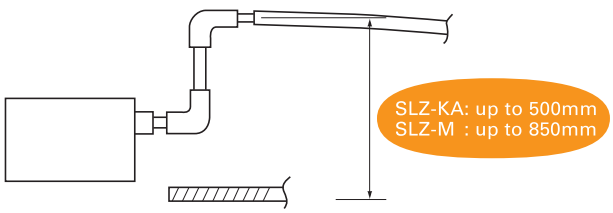
■ Corner panel



■ Control box cover

## Drain lift

As the result of using a larger drain pan, the maximum drain lifting height has been up to 850mm, greatly enhancing construction flexibility compared to the existing model.



## 3D i-see Sensor for S & P SERIES

# Detects number of people

### Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

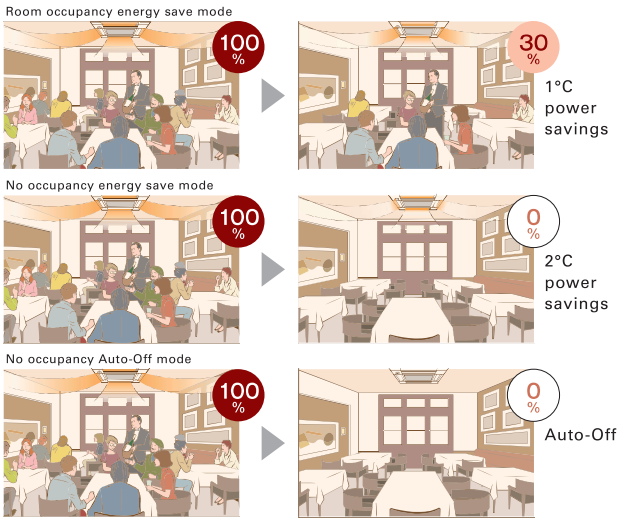
### No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

### No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

* When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.

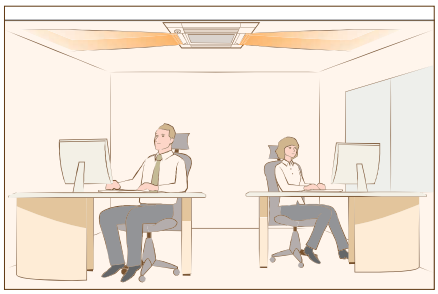



*PAR-41MAA is required for each setting

# Detects people's position

### Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.

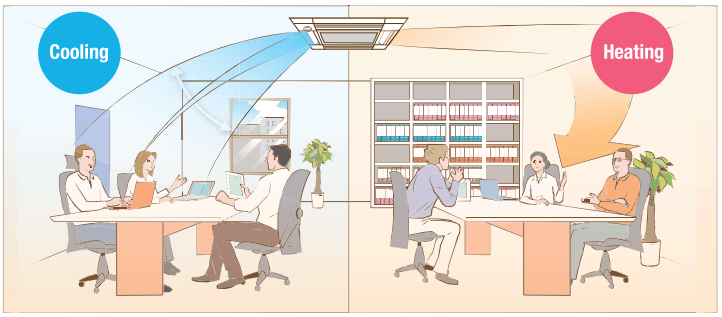


*PAR-41MAA or PAR-SL101A-E is required for each setting.

### Seasonal airflow*

**<When cooling>**
Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

**<When heating>**
The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.




*PAR-41MAA is required for each setting.

# Connectable to Plasma Quad Connect

The optional Plasma Quad Connect SLP-2FAP, SLP-2FALP, SLP-2FALMP2 can be installed on the indoor units.*1*2*3

*1 Plasma Quad Connect cannot be used with PAC-SK54/46KF-E (V blocking filter).
*2 If Plasma Quad Connect is used with MAC-334/397/587IF-E (Interface), Plasma Quad Connect use the indoor units CN105. Other interface use the another CN105 on Plasma Quad Connect's PCB.
*3 If Plasma Quad Connect is used with PAC-SK35VK-E (Valve kit) or PAC-SK39AP-E (Valve kit attachment), Plasma Quad Connect use the indoor units barring holes for valve kit. Valve kit needs to be installed on suspension bolts or on horizontal surface using dedicated attachment optional parts.

# SLZ-M SERIES

DC Inverter | Joint Lap | Rare Earth Magnet | DC Fan Motor | PAM | Grooved Piping | Heat Caulking Fixing Method

## Indoor Unit

R32
R410A

SLZ-M15/25/35/50/60FA2

## Outdoor Unit

For Single

SUZ-M25/35VA

SUZ-M50VA

SUZ-M60VA

## Panel

| Panel | With Signal Receiver | With 3D i-see Sensor | With Wireless Remote Controller | With Plasma Quad Connect |
|---|---|---|---|---|
| SLP-2FA | | | | |
| SLP-2FAL | ✓ | | | |
| SLP-2FAE | | ✓ | | |
| SLP-2FALE | ✓ | ✓ | | |
| SLP-2FALM2 | ✓ | | ✓ | |
| SLP-2FALME2 | ✓ | ✓ | ✓ | |
| SLP-2FAP | | | | ✓ |
| SLP-2FALP | ✓ | | | ✓ |
| SLP-2FALMP2 | ✓ | | ✓ | ✓ |

## Remote Controller

Enclosed in SLP-2FALM/SLP-2FALME

*optional


*optional

*optional

Pure White | AUTO VANE | Fresh-air Intake | Long Life | FA Check! | SWING | ACO | Auto Restart | Low Temp Cooling | Optional | Group Control | Optional | M-NET connection | Optional | Wi-Fi Interface | Optional | MXZ connection | Drain Lift Up

Flare connection | Self Diagnosis | Failure Recall

| Indoor Unit Combination | | Outdoor Unit Capacity | | | | |
|---|---|---|---|---|---|---|
| | | For Single | | | | |
| | | 25 | 35 | 50 | 60 | 71 |
| S Seires | | 25×1 | 35×1 | 50×1 | 60×1 | - |
| | Distribution Pipe | - | - | - | - | - |

| Type | | | | Inverter Heat Pump | | | |
|---|---|---|---|---|---|---|---|
| Indoor Unit | | | | SLZ-M25FA2 | SLZ-M35FA2 | SLZ-M50FA2 | SLZ-M60FA2 |
| Outdoor Unit | | | | SUZ-M25VA | SUZ-M35VA | SUZ-M50VA | SUZ-M60VA |
| Refrigerant[*1] | | | | R32 | | | |
| **Power Supply** | **Source** | | | Outdoor power supply | | | |
| | **Outdoor(V/Phase/Hz)** | | | 230/Single/50 | | | |
| **Cooling** | **Capacity** | Rated | kW | 2.5 | 3.5 | 4.6 | 5.7 |
| | | Min-Max | kW | 1.4 - 3.2 | 0.7 - 3.9 | 1.0 - 5.2 | 1.5 - 6.3 |
| | **Total Input** | Rated | kW | 0.657 | 1.093 | 1.352 | 1.676 |
| | **EER** | | | 3.80 | 3.20 | 3.40 | 3.40 |
| | **Design load** | | kW | 2.5 | 3.5 | 4.6 | 5.7 |
| | **Annual electricity consumption[*2]** | | kWh/a | 139 | 183 | 253 | 321 |
| | **SEER[*4]** | | | 6.3 | 6.7 | 6.3 | 6.2 |
| | | **Energy efficiency class** | | A++ | A++ | A++ | A++ |
| **Heating** | **Capacity** | Rated | kW | 3.2 | 4.0 | 5.0 | 6.4 |
| | | Min-Max | kW | 1.3 - 4.2 | 1.0 - 5.0 | 1.3 - 5.5 | 1.6 - 7.3 |
| | **Total Input** | Rated | kW | 0.886 | 1.078 | 1.562 | 2.133 |
| | **COP** | | | 3.61 | 3.71 | 3.20 | 3.00 |
| | **Design load** | | kW | 2.2 | 2.6 | 3.6 | 4.6 |
| | **Declared Capacity** | at reference design temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.2 (-10°C) | 4.1 (-10°C) |
| | | at bivalent temperature | kW | 2.0 (-7°C) | 2.3 (-7°C) | 3.2 (-7°C) | 4.1 (-7°C) |
| | | at operation limit temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.2 (-10°C) | 4.1 (-10°C) |
| | **Back up heating capacity** | | kW | 0.2 | 0.3 | 0.4 | 0.5 |
| | **Annual electricity consumption[*2]** | | kWh/a | 716 | 845 | 1192 | 1560 |
| | **SCOP[*4]** | | | 4.3 | 4.3 | 4.2 | 4.1 |
| | | **Energy efficiency class** | | A+ | A+ | A+ | A+ |
| **Operating Current(Max)** | | | A | 7.0 | 8.7 | 13.8 | 15.2 |
| **Indoor Unit** | **Input [cooling / Heating ]** | Rated | kW | 0.02 / 0.02 | 0.02 / 0.02 | 0.03 / 0.03 | 0.04 / 0.04 |
| | **Operating Current(Max)** | | A | 0.20 | 0.24 | 0.32 | 0.43 |
| | **Dimensions** | H*W*D | mm | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> |
| | **Weight** | | kg | 15 <3> | 15 <3> | 15 <3> | 15 <3> |
| | **Air Volume (Lo-Mi2-Mi1-Hi)** | | m³/min | 6.5-7.5-8.5 | 6.5-8.0-9.5 | 7.0-9.0-11.5 | 7.5-11.5-13.0 |
| | **Sound Level (Lo-Mi2-Mi1-Hi) (SPL)** | | dB(A) | 25-28-31 | 25-30-34 | 27-34-39 | 32-40-43 |
| | **Sound Level (PWL)** | | dB(A) | 48 | 51 | 56 | 60 |
| **Outdoor Unit** | **Dimensions** | H*W*D | mm | 550-800-285 | 550-800-285 | 714-800-285 | 880-840-330 |
| | **Weight** | | kg | 30 | 35 | 41 | 54 |
| | **Air Volume** | Cooling | m³/min | 36.3 | 34.3 | 45.8 | 50.1 |
| | | Heating | m³/min | 34.6 | 32.7 | 43.7 | 50.1 |
| | **Sound Level (SPL)** | Cooling | dB(A) | 45 | 48 | 48 | 49 |
| | | Heating | dB(A) | 46 | 48 | 49 | 51 |
| | **Sound Level (PWL)** | Cooling | dB(A) | 59 | 59 | 64 | 65 |
| | **Operating Current(Max)** | | A | 6.8 | 8.5 | 13.5 | 14.8 |
| | **Breaker Size** | | A | 10 | 10 | 20 | 20 |
| **Ext.Piping** | **Diameter[*5]** | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 15.88 |
| | **Max.Length** | Out-In | m | 20 | 20 | 30 | 30 |
| | **Max.Height** | Out-In | m | 12 | 12 | 30 | 30 |
| **Guaranteed Operating Range** (Outdoor) | | Cooling[*3] | °C | -10 ~ +46 | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | Heating | °C | -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 $CO_2$, 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 and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
*4 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.