

Save These Instructions!  
 Conserver ce mode d'emploi  
 Bewahren Sie bitte diese  
 Bedienungsanleitung auf.  
 Conservate queste istruzioni  
 Guardate estas instruções  
 Φυλάξτε τις οδηγίες αυτές  
 Guarde estas instrucciones  
 Сохраните эту инструкцию!  
 Збережіть цю інструкцію!  
 Simpan Petunjuk Ini!

# Panasonic®

This air conditioner uses the new refrigerant R410A.

**Model No.**

| Indoor Units     |                  | CASSETTE       | CEILING-MOUNTED          | WALL-MOUNTED      | CONCEALED DUCT   |                        |
|------------------|------------------|----------------|--------------------------|-------------------|------------------|------------------------|
| (4-WAY: U1 type) | (1-WAY: D1 Type) | (T1 Type)      | (K1 Type)                | (Slim Low Static) | (Low Silhouette) |                        |
| S-22MU1E5        | S-28MD1E5        | S-36MT1E5      | S-22MK1E5                | (M1 Type)         | (F1 Type)        |                        |
| S-28MU1E5        | S-36MD1E5        | S-45MT1E5      | S-28MK1E5                | S-22MM1E5         | S-22MF1E5        |                        |
| S-36MU1E5        | S-45MD1E5        | S-56MT1E5      | S-36MK1E5                | S-28MM1E5         | S-28MF1E5        |                        |
| S-45MU1E5        | S-56MD1E5        | S-73MT1E5      | S-45MK1E5                | S-36MM1E5         | S-36MF1E5        |                        |
| S-56MU1E5        | S-73MD1E5        | S-106MT1E5     | S-56MK1E5                | S-45MM1E5         | S-45MF1E5        |                        |
| S-73MU1E5        |                  | S-140MT1E5     | S-73MK1E5                | S-56MM1E5         | S-56MF1E5        |                        |
| S-106MU1E5       |                  |                | S-106MK1E5               |                   | S-73MF1E5        |                        |
| S-140MU1E5       |                  |                |                          |                   | S-90MF1E5        |                        |
| S-160MU1E5       |                  |                |                          |                   | S-106MF1E5       |                        |
|                  |                  | FLOOR STANDING | CONCEALED FLOOR STANDING |                   | S-140MF1E5       |                        |
|                  |                  |                |                          |                   | S-160MF1E5       |                        |
| (4-WAY: Y1 Type) | (2-WAY: L1 Type) | (P1 Type)      | (R1 Type)                |                   |                  | (High Static Pressure) |
| S-22MY1E5        | S-22ML1E5        | S-22MP1E5      | S-22MR1E5                |                   |                  | (E1 Type)              |
| S-28MY1E5        | S-28ML1E5        | S-28MP1E5      | S-28MR1E5                |                   |                  | S-73ME1E5              |
| S-36MY1E5        | S-36ML1E5        | S-36MP1E5      | S-36MR1E5                |                   |                  | S-106ME1E5             |
| S-45MY1E5        | S-45ML1E5        | S-45MP1E5      | S-45MR1E5                |                   |                  | S-140ME1E5             |
| S-56MY1E5        | S-56ML1E5        | S-56MP1E5      | S-56MR1E5                |                   |                  | S-224ME1E5             |
|                  | S-73ML1E5        | S-71MP1E5      | S-71MR1E5                |                   |                  | S-280ME1E5             |

| Outdoor Units |      |   |
|---------------|------|---|
| MF1           | 3WAY | U-8MF1E8, U-10MF1E8, U-12MF1E8, U-14MF1E8, U-16MF1E8  |
| ME1           | 2WAY | U-8ME1E8(E), U-10ME1E8(E), U-12ME1E8(E), U-14ME1E8(E), U-16ME1E8(E), U-18ME1E8(E), U-20ME1E8(E) |

**Split System Air Conditioner**

**Climatiseur Split System**

**Split-System-Klimagerät**

**Condizionatore d'Aria Split**

**Aparelho de Ar Condicionado Sistema Split**

**Κλιματιστικό Δύο Μονάδων**

**Acondicionador de Aire de tipo Sistema Partido**

**Сплит кондиционер**

**Кондиціонер спліт-системи**

**Pemyejuk Ruangan Sistem Split**

• **INSTRUCTION MANUAL**

• **MODE D'EMPLOI**

• **BEDIENUNGSANLEITUNG**

• **ISTRUZIONI PER L'USO**

• **MANUAL DE INSTRUÇÕES**

• **ΕΓΧΕΙΡΙΔΙΟ ΟΔΗΓΙΩΝ**

• **MANUAL DE INSTRUCCIONES**

• **РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ**

• **ІНСТРУКЦІЯ З ЕКСПЛУАТАЦІЇ**

• **PETUNJUK PENGGUNA**

**EN**

**FR**

**DE**

**IT**

**PT**

**GR**

**ES**

**RU**

**UK**

**ID**

85464609070015



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## Product Information

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate on the bottom of the cabinet.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Date of purchase \_\_\_\_\_

Dealer's address \_\_\_\_\_

Phone number \_\_\_\_\_

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## Alert Symbols

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

## Installation Location

- We recommend that this air conditioner be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.
- Before installation, check that the voltage of the electric supply in your home or office is the same as the voltage shown on the nameplate.



### WARNING

- Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.
- Do not install the air conditioner where excessively high heat-generating objects are placed.

**Avoid:** To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

## Electrical Requirements

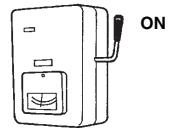
1. All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
2. Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
3. Wiring must be done by a qualified electrician.



### CAUTION

To warm up the system, the power mains must be turned on at least five (5) hours before operation. Leave the power mains ON unless you will not be using this appliance for an extended period.

Power mains





## Safety Instructions

- Read this Instruction Manual carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.
- This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.








### WARNING

- Never touch the unit with wet hands.
- Never use or store gasoline or other flammable vapor or liquid near the air conditioner — it is very dangerous.
- This air conditioner has no ventilator for intaking fresh air from outdoors. You must open doors or windows frequently when you use gas or oil heating appliances in the same room, which consume a lot of oxygen from the air. Otherwise there is a risk of suffocation in an extreme case.
- Provide a power outlet to be used exclusively for each unit, and a power supply disconnect, circuit breaker and earth leakage breaker for overcurrent protection should be provided in the exclusive line.
- Provide a power outlet exclusively for each unit, and full disconnection means having a contact separation in all poles must be incorporated in the fixed wiring in accordance with the wiring rules.
- To prevent possible hazards from insulation failure, the unit must be grounded. 
- Do not clean inside the indoor and outdoor units by users. Engage authorized dealer or specialist for cleaning.
- In case of malfunction of this appliance, do not repair by yourself. Contact to the sales dealer or service dealer for a repair.
- Refrigerant gas leakage may cause fire.
- For safety, be sure to turn the air conditioner off and also to disconnect the power before cleaning or servicing. 
- Stop using the product when any abnormality/failure occurs and disconnect the power plug or turn off the power switch and breaker. (Risk of smoke/fire/electric shock)

EN

**CAUTION**

- Do not turn the air conditioner on and off from the power mains switch. Use the ON/OFF operation button.
- Do not stick anything into the air outlet of the outdoor unit. This is dangerous because the fan is rotating at high speed. 
- Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. 
- Keep the fire alarm and the air outlet at least 1.5m away from the unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that do not play with the appliance.
- Do not cool or heat the room too much if babies or invalids are present.
- Do not sit or step on the unit.   
You may fall down accidentally.
- Do not stick any object into the FAN CASE.   
You may be injured and the unit may be damaged. 

**NOTICE**

- The compressor may occasionally stop during thunderstorms. This is not a mechanical failure. The unit automatically recovers after a few minutes.
- The English text is the original instructions. Other languages are translation of the original instructions.

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## Wireless Remote Control Unit (Optional parts)

**NOTE**

Refer to the Instruction Manual attached to the optional Wireless Remote Control Unit.

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## Timer Remote Control Unit (Optional parts)

**NOTE**

Refer to the Instruction Manual attached to the optional Timer Remote Control Unit.

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## Operation Condition

Use this air conditioner under the following temperature range.

Indoor temperature range:

Cooling mode 14°C ~ 25°C (\*WBT)

Heating mode 15°C ~ 30°C (\*DBT)

Outdoor temperature range:

Cooling mode -10°C ~ 43°C (\*DBT)

Heating mode -20°C ~ 15°C (\*WBT) 3WAY

-25°C ~ 20°C (\*WBT) 2WAY

Cooling & Heating mode

-10°C ~ 43°C 3WAY

\*DBT: Dry bulb temperature

\*WBT: Wet bulb temperature

## Adjusting the Airflow Direction

The functions differ depending on the indoor unit used. The airflow direction cannot be set using the remote control unit for any unit which is not listed below.


U1 type, Y1 type, L1 type, D1 type, T1 type and K1 type.

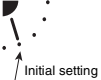



- Never use your hands to move the flap (vertical airflow flap) that is controlled using the remote control unit.
- When the air conditioner is turned off, the flap (vertical airflow flap) automatically moves to the downward position.
- The flap (vertical airflow flap) moves to the upward position when performing the standby operation for heating. The swing operation is made after the standby operation for heating is released, but swing is indicated on the remote control unit even during the standby operation for heating.

### Setting the airflow direction

The airflow direction changes each time the  FLAP button is pressed during operation.

### To activate the swing operation



Press the FLAP button to set the flap (vertical airflow flap) to the downward position, and then press the FLAP button again. This displays , and the airflow automatically swings up and down.

| Heating   | Cooling and drying   | Fan operation  | All operations   |
|---|--|--|--|
| <p>Set the flap (vertical airflow flap) to the downward position. If the flap is set to the upward position, the warm air may not reach the floor.</p>  <p>Initial setting</p> | <p>The flap (vertical airflow flap) can be set to one of three positions.</p>  <p>Initial setting</p> |  <p>Initial setting</p> |  <p>Continuous operation</p> |

### To stop the swing operation

Press the FLAP button again during the flap swing operation to stop the flap at the desired position. Then, the airflow can be set from the top position by pressing the FLAP button again.

### Indicator when swing operation is stopped

| Fan and heating   | Cooling and drying  |
|---|---|
|  |  |

During cooling or drying operation, the flap will not stop at the downward position. Even if the flap is stopped at the downward position during the swing operation, it will not stop until it moves to the third position from the top.

## Adjusting the Airflow Direction (continued)

U1 type, Y1 type, L1 type and D1 type air conditioners are equipped with auto flaps. You can set the airflow direction to a specific angle or to the sweep mode using the remote control unit.



**CAUTION**

**Do not move the flap with your hands.**

### 4-way (U1 type), (Y1 type)

- The air outlet flap can be easily removed and washed with water.
- Be sure to always stop operation before removing the flap.
- After washing with water, allow it to dry, and then remount it with the arrow facing outward.



### ■ Ceiling mounted type (T1)

#### Vertical directions (automatic)

This air conditioner is equipped with an auto flap. You can set the airflow direction to a specific angle or to the sweep mode using the remote control unit. (Refer to the description of the remote control unit.)



**CAUTION**

**Do not move the flap with your hands.**

#### Horizontal directions (manual)

The horizontal airflow direction can be adjusted manually by moving the vertical vanes to the left or right.

### ■ Wall mounted type (K1)

#### Vertical directions (automatic)

Confirm that the remote control unit has been turned on. Press the FLAP button to start the flap moving up and down. If you want to stop the flap movement and to direct the air in the desired direction, press the FLAP button again. In the cool mode, do not direct the flap down and move out of the cooling zone "A", otherwise, condensation may drip on to the floor. Zone "A" is the recommended flap position for cooling.

When operating continuously in the fixed airflow direction setting for about an hour, the airflow direction is automatically controlled and the flap position is changed. The airflow direction may be different from the display on the remote controller.



**CAUTION**

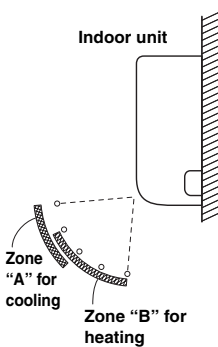
**Do not move the flap with your hands.**

#### Horizontal directions (manual)

The horizontal airflow direction can be adjusted manually by moving the vertical vanes to the left or right.

### ■ Concealed duct type (F1, M1, E1)

This air conditioner is not equipped with air outlet parts. These must be obtained locally. Please refer to the manual of the locally adopted air outlet parts.



## Adjusting the Airflow Direction for Multiple Indoor Units Using a Single Remote Control Unit (Wired)

- The airflow direction cannot be set using the remote control unit for the concealed duct type (F1, M1, E1) and floor standing type (P1, R1).
- If multiple indoor units are connected to a remote control unit, the airflow direction can be set for each indoor unit by selecting the indoor units (see the operation below).

### Auto Flap ( UNIT ) button

- To set the airflow for individual units, press the UNIT button. Display shows the indoor unit number under group control. Set the airflow direction for the indoor unit that is shown on the display.
- Each time UNIT is pressed, the indicator changes in the order shown below.
- When nothing is displayed, you can make the setting for all indoor units in one operation.
- The unit number is displayed as Outdoor Unit Number–Indoor Unit Number. It varies depending on the number of units under group control.

#### One outdoor unit and eight indoor units

|              |            |            |            |       |          |
|--------------|------------|------------|------------|-------|----------|
| → No display | → Unit No. | → Unit No. | → Unit No. | ..... | Unit No. |
|              | 1-1        | 1-2        | 1-3        |       | 1-8      |

#### Two outdoor units and four indoor units

|              |            |            |            |            |            |       |          |
|--------------|------------|------------|------------|------------|------------|-------|----------|
| → No display | → Unit No. | → Unit No. | → Unit No. | → Unit No. | → Unit No. | ..... | Unit No. |
|              | 1-1        | 1-2        | 1-3        | 1-4        | 2-1        |       | 2-4      |



## Special Remarks

### “DRY” Operation

#### How it works

- Once the room temperature reaches the level that was set, the unit repeats the cycle of turning on and off automatically.
- In order to prevent the humidity in the room from rising again, the indoor fan also turns off when the unit stops operating.
- The fan speed is set to “LO.” automatically, and cannot be adjusted.
- “DRY” operation is not possible if the outdoor temperature is 15 °C or less.

### Heating Operation

#### Heating performance




- Because this appliance heats a room by utilizing the heat of the outside air (heat pump system), the heating efficiency will fall off when the outdoor temperature is very low. If sufficient heat cannot be obtained with this heat pump, use another heating appliance in conjunction with this unit.

#### Defrosting

- When the outdoor temperature is low, frost or ice may form on the outdoor heat exchanger coil, reducing the heating performance. When this happens, a microcomputer-controlled defrosting system operates. At the same time, the fan on the indoor unit stops (or runs at very low speed in some cases) and the “STANDBY” indicator appears on the display until defrosting is completed. Heating operation then restarts after several minutes. (This interval will vary slightly depending upon the outdoor temperature and the way in which frost forms.)



#### (standby) on the display

- For several minutes after the start of heating operation, the indoor fan will not start running (or it will run at very low speed in some cases) until the indoor heat exchanger coil has warmed up sufficiently. This is because a cold draft prevention system is operating. During this period, the “” (standby) indicator remains displayed.
- “” (standby) remains displayed during defrosting or when the compressor has been turned off (or when the unit is running at very low speed) by the thermostat when the system is in the heating mode.
- Upon completion of defrosting and when the compressor is turned on again, “” (standby) will turn off automatically as heating operation resumes.

### NOTE

#### Should the power fail while the unit is running

If the power supply for this unit is temporarily cut off, the unit will automatically resume operation (once the power is restored) using the same settings before the power was cut off.

## Care and Cleaning



### WARNING

1. For safety, be sure to turn the air conditioner off and also to disconnect the power before cleaning.
2. Do not pour water on the indoor unit to clean it. This will damage the internal components and cause an electric shock hazard.

#### Air intake and outlet side (Indoor unit)

Clean the air intake and outlet side of the indoor unit with a vacuum cleaner brush, or wipe them with a clean, soft cloth.

If these parts are stained, use a clean cloth moistened with water. When cleaning the air outlet side, be careful not to force the vanes out of place.



### CAUTION

1. Never use solvents or harsh chemicals when cleaning the indoor unit. Do not wipe plastic parts using very hot water.
2. Some metal edges and the fins are sharp and may cause injury if handled improperly; be especially careful when you clean these parts.
3. The internal coil and other components of the outdoor unit must be cleaned periodically. Consult your dealer or service center.

## Information for Users on Collection and Disposal of Old Equipment and Used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### [Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



Pb

### Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

## Safety Instructions

To be followed absolutely



**Stop using the product when any abnormality/failure occurs and disconnect the power plug.**

### (Risk of smoke/fire/electric shock)

Examples of abnormality/failure

- The product sometimes does not start when turned on.
- The power is sometimes disconnected when the cord is moved.
- Burnt odor or abnormal noise is detected during operation.
- The body is deformed or abnormally hot.

Contact immediately your local dealer for maintenance/repair.

# SPECIFICATION

## ■ 4-Way Cassette (U1 type)

| Model Name              |        | S-22MU1E5                                 | S-28MU1E5   | S-36MU1E5   | S-45MU1E5   | S-56MU1E5   | S-73MU1E5   |    |
|-------------------------|--------|---|-------------|-------------|-------------|-------------|-------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |             |             |             |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         | 4.5         | 5.6         | 7.3         |    |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      | 15,000      | 19,000      | 25,000      |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         | 5.0         | 6.3         | 8.0         |    |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      | 17,000      | 21,000      | 27,000      |    |
| Sound Pressure Level    | High   | dB(A)                                     | 29          | 29          | 29          | 30          | 32          | 35 |
|                         | Medium | dB(A)                                     | 28          | 28          | 28          | 28          | 29          | 31 |
|                         | Low    | dB(A)                                     | 27          | 27          | 27          | 27          | 27          | 28 |
| Sound Power Level       | High   | dB(A)                                     | 44          | 44          | 44          | 47          | 50          | 54 |
|                         | Medium | dB(A)                                     | 42          | 42          | 42          | 45          | 47          | 48 |
|                         | Low    | dB(A)                                     | 41          | 41          | 41          | 43          | 44          | 44 |
| Unit Dimensions (HxWxD) | mm     | 290x950x950                               | 290x950x950 | 290x950x950 | 290x950x950 | 290x950x950 | 290x950x950 |    |
| Net Weight              | kg     | 24  | 24          | 24          | 24          | 24          | 25          |    |

| Model Name              |        | S-106MU1E5                                | S-140MU1E5  | S-160MU1E5  |    |
|-------------------------|--------|---|-------------|-------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |    |
| Cooling Capacity        | kW     | 10.6                                      | 14.0        | 16.0        |    |
|                         | BTU/h  | 36,000                                    | 47,800      | 54,600      |    |
| Heating Capacity        | kW     | 11.4                                      | 16.0        | 18.0        |    |
|                         | BTU/h  | 39,000                                    | 54,600      | 61,400      |    |
| Sound Pressure Level    | High   | dB(A)                                     | 43          | 44          | 45 |
|                         | Medium | dB(A)                                     | 38          | 39          | 40 |
|                         | Low    | dB(A)                                     | 32          | 33          | 34 |
| Sound Power Level       | High   | dB(A)                                     | 60          | 61          | 62 |
|                         | Medium | dB(A)                                     | 55          | 55          | 56 |
|                         | Low    | dB(A)                                     | 47          | 49          | 50 |
| Unit Dimensions (HxWxD) | mm     | 353x950x950                               | 353x950x950 | 353x950x950 |    |
| Net Weight              | kg     | 29  | 29          | 29          |    |

## ■ Ceiling (T1 type)

| Model Name              |        | S-36MT1E5                                 | S-45MT1E5   | S-56MT1E5   | S-73MT1E5    | S-106MT1E5   | S-140MT1E5   |    |
|-------------------------|--------|---|-------------|-------------|--------------|--------------|--------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |              |              |              |    |
| Cooling Capacity        | kW     | 3.6                                       | 4.5         | 5.6         | 7.3          | 10.6         | 14.0         |    |
|                         | BTU/h  | 12,000                                    | 15,000      | 19,000      | 25,000       | 36,000       | 47,800       |    |
| Heating Capacity        | kW     | 4.2                                       | 5.0         | 6.3         | 8.0          | 11.4         | 16.0         |    |
|                         | BTU/h  | 14,000                                    | 17,000      | 21,000      | 27,000       | 39,000       | 54,600       |    |
| Sound Pressure Level    | High   | dB(A)                                     | 35          | 36          | 36           | 38           | 41           | 43 |
|                         | Medium | dB(A)                                     | 32          | 33          | 33           | 36           | 38           | 40 |
|                         | Low    | dB(A)                                     | 30          | 30          | 30           | 33           | 35           | 37 |
| Sound Power Level       | High   | dB(A)                                     | 46          | 47          | 47           | 49           | 52           | 54 |
|                         | Medium | dB(A)                                     | 43          | 44          | 44           | 47           | 49           | 51 |
|                         | Low    | dB(A)                                     | 41          | 41          | 41           | 44           | 46           | 48 |
| Unit Dimensions (HxWxD) | mm     | 210x910x680                               | 210x910x680 | 210x910x680 | 210x1180x680 | 210x1595x680 | 210x1595x680 |    |
| Net Weight              | kg     | 21  | 21          | 21          | 25           | 33           | 33           |    |

# SPECIFICATION

## ■ High Static Pressure Ducted (E1 type)

| Model Name              |        | S-73ME1E5                                 | S-106ME1E5   | S-140ME1E5   | S-224ME1E5    | S-280ME1E5    |  |
|-------------------------|--------|---|--------------|--------------|---------------|---------------|--|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |               |               | 220 - 230 - 240 V, single-phase, 50 Hz |
| Cooling Capacity        | kW     | 7.3                                       | 10.6         | 14.0         | 22.4          | 28.0          |  |
|                         | BTU/h  | 25,000                                    | 36,000       | 47,800       | 76,400        | 95,500        |  |
| Heating Capacity        | kW     | 8.0                                       | 11.4         | 16.0         | 25.0          | 31.5          |  |
|                         | BTU/h  | 27,000                                    | 39,000       | 54,600       | 85,300        | 107,500       |  |
| Sound Pressure Level    | High   | dB(A)                                     | 44           | 45           | 47            | 48            | 51                                     |
|                         | Medium | dB(A)                                     | 43           | 44           | 46            | 47            | 50                                     |
|                         | Low    | dB(A)                                     | 42           | 42           | 44            | 46            | 49                                     |
| Sound Power Level       | High   | dB(A)                                     | 55           | 56           | 58            | 59            | 62                                     |
|                         | Medium | dB(A)                                     | 54           | 55           | 57            | 58            | 61                                     |
|                         | Low    | dB(A)                                     | 53           | 53           | 55            | 57            | 60                                     |
| Unit Dimensions (HxWxD) | mm     | 420x1065x620                              | 420x1065x620 | 450x1065x620 | 467x1428x1230 | 467x1428x1230 |  |
| Net Weight              | kg     | 47  | 50           | 54           | 110           | 120           |  |

## ■ 4-Way Cassette 60x60 (Y1 type)

| Model Name              |        | S-22MY1E5                                 | S-28MY1E5   | S-36MY1E5   | S-45MY1E5   | S-56MY1E5   |    |
|-------------------------|--------|---|-------------|-------------|-------------|-------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |             |             |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         | 4.7         | 5.6         |    |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      | 16,000      | 19,000      |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         | 5.0         | 6.3         |    |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      | 17,000      | 21,000      |    |
| Sound Pressure Level    | High   | dB(A)                                     | 30          | 30          | 32          | 36          | 41 |
|                         | Medium | dB(A)                                     | 27          | 27          | 29          | 32          | 37 |
|                         | Low    | dB(A)                                     | 25          | 25          | 26          | 28          | 33 |
| Sound Power Level       | High   | dB(A)                                     | 46          | 46          | 49          | 53          | 58 |
|                         | Medium | dB(A)                                     | 43          | 43          | 46          | 48          | 54 |
|                         | Low    | dB(A)                                     | 41          | 41          | 42          | 45          | 50 |
| Unit Dimensions (HxWxD) | mm     | 313x625x625                               | 313x625x625 | 313x625x625 | 313x625x625 | 313x625x625 |    |
| Net Weight              | kg     | 18.4                                      | 18.4        | 18.4        | 18.4        | 18.4        |    |

## ■ Slim Low Static Ducted (M1 type)

| Model Name              |        | S-22MM1E5                                 | S-28MM1E5   | S-36MM1E5   | S-45MM1E5   | S-56MM1E5   |    |
|-------------------------|--------|---|-------------|-------------|-------------|-------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |             |             |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         | 4.5         | 5.6         |    |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      | 15,000      | 19,000      |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         | 5.0         | 6.3         |    |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      | 17,000      | 21,000      |    |
| Sound Pressure Level    | High   | dB(A)                                     | 28          | 30          | 32          | 34          | 35 |
|                         | Medium | dB(A)                                     | 27          | 29          | 30          | 32          | 33 |
|                         | Low    | dB(A)                                     | 25          | 27          | 28          | 30          | 31 |
| Sound Power Level       | High   | dB(A)                                     | 43          | 45          | 47          | 49          | 52 |
|                         | Medium | dB(A)                                     | 42          | 44          | 45          | 47          | 50 |
|                         | Low    | dB(A)                                     | 40          | 42          | 43          | 45          | 48 |
| Unit Dimensions (HxWxD) | mm     | 200x750x640                               | 200x750x640 | 200x750x640 | 200x750x640 | 200x750x640 |    |
| Net Weight              | kg     | 19  | 19          | 19          | 19          | 19          |    |

# SPECIFICATION

## ■ Low Silhouette Ducted (F1 type)

| Model Name              |        | S-22MF1E5                                 | S-28MF1E5   | S-36MF1E5   | S-45MF1E5   | S-56MF1E5   | S-73MF1E5    |    |
|-------------------------|--------|---|-------------|-------------|-------------|-------------|--------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |             |             |              |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         | 4.5         | 5.6         | 7.3          |    |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      | 15,000      | 19,000      | 25,000       |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         | 5.0         | 6.3         | 8.0          |    |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      | 17,000      | 21,000      | 27,000       |    |
| Sound Pressure Level    | High   | dB(A)                                     | 29          | 29          | 29          | 30          | 30           | 34 |
|                         | Medium | dB(A)                                     | 26          | 26          | 26          | 28          | 28           | 30 |
|                         | Low    | dB(A)                                     | 22          | 22          | 22          | 25          | 25           | 27 |
| Sound Power Level       | High   | dB(A)                                     | 40          | 40          | 40          | 41          | 41           | 45 |
|                         | Medium | dB(A)                                     | 37          | 37          | 37          | 39          | 39           | 41 |
|                         | Low    | dB(A)                                     | 33          | 33          | 33          | 36          | 36           | 38 |
| Unit Dimensions (HxWxD) | mm     | 310x700x630                               | 310x700x630 | 310x700x630 | 310x700x630 | 310x700x630 | 310x1000x630 |    |
| Net Weight              | kg     | 24  | 24          | 24          | 25          | 25          | 32           |    |

| Model Name              |        | S-90MF1E5                                 | S-106MF1E5   | S-140MF1E5   | S-160MF1E5   |    |
|-------------------------|--------|---|--------------|--------------|--------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |              |    |
| Cooling Capacity        | kW     | 9.0                                       | 10.6         | 14.0         | 16.0         |    |
|                         | BTU/h  | 30,000                                    | 36,000       | 47,800       | 54,600       |    |
| Heating Capacity        | kW     | 10.0                                      | 11.4         | 16.0         | 18.0         |    |
|                         | BTU/h  | 34,000                                    | 39,000       | 54,600       | 61,500       |    |
| Sound Pressure Level    | High   | dB(A)                                     | 34           | 38           | 40           | 40 |
|                         | Medium | dB(A)                                     | 30           | 33           | 37           | 37 |
|                         | Low    | dB(A)                                     | 27           | 31           | 33           | 33 |
| Sound Power Level       | High   | dB(A)                                     | 45           | 49           | 51           | 51 |
|                         | Medium | dB(A)                                     | 41           | 44           | 48           | 48 |
|                         | Low    | dB(A)                                     | 38           | 42           | 44           | 44 |
| Unit Dimensions (HxWxD) | mm     | 310x1000x630                              | 310x1480x630 | 310x1480x630 | 310x1480x630 |    |
| Net Weight              | kg     | 32  | 47           | 47           | 47           |    |

## ■ 2-Way Cassette (L1 type)

| Model Name              |        | S-22ML1E5                                 | S-28ML1E5    | S-36ML1E5    | S-45ML1E5    | S-56ML1E5    | S-73ML1E5    |    |
|-------------------------|--------|---|--------------|--------------|--------------|--------------|--------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |              |              |              |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8          | 3.6          | 4.5          | 5.6          | 7.3          |    |
|                         | BTU/h  | 7,500                                     | 9,600        | 12,000       | 15,000       | 19,000       | 25,000       |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2          | 4.2          | 5.0          | 6.3          | 8.0          |    |
|                         | BTU/h  | 8,500                                     | 11,000       | 14,000       | 17,000       | 21,000       | 27,000       |    |
| Sound Pressure Level    | High   | dB(A)                                     | 30           | 33           | 34           | 35           | 35           | 38 |
|                         | Medium | dB(A)                                     | 27           | 29           | 31           | 33           | 33           | 35 |
|                         | Low    | dB(A)                                     | 24           | 26           | 28           | 29           | 29           | 33 |
| Sound Power Level       | High   | dB(A)                                     | 40           | 44           | 45           | 46           | 46           | 49 |
|                         | Medium | dB(A)                                     | 38           | 40           | 42           | 44           | 44           | 46 |
|                         | Low    | dB(A)                                     | 35           | 37           | 39           | 40           | 40           | 44 |
| Unit Dimensions (HxWxD) | mm     | 358x1060x680                              | 358x1060x680 | 358x1060x680 | 358x1060x680 | 358x1060x680 | 358x1060x680 |    |
| Net Weight              | kg     | 30  | 30           | 30           | 30           | 30           | 30           |    |

# SPECIFICATION

## ■ 1-Way Cassette (D1 type)

| Model Name              |        | S-28MD1E5                                 | S-36MD1E5    | S-45MD1E5    | S-56MD1E5    | S-73MD1E5    |
|-------------------------|--------|---|--------------|--------------|--------------|--------------|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |              |              |
| Cooling Capacity        | kW     | 2.8                                       | 3.6          | 4.5          | 5.6          | 7.3          |
|                         | BTU/h  | 9,600                                     | 12,000       | 15,000       | 19,000       | 25,000       |
| Heating Capacity        | kW     | 3.2                                       | 4.2          | 5.0          | 6.3          | 8.0          |
|                         | BTU/h  | 11,000                                    | 14,000       | 17,000       | 21,000       | 27,000       |
| Sound Pressure Level    | High   | dB(A) 36                                  | 36           | 36           | 38           | 45           |
|                         | Medium | dB(A) 34                                  | 34           | 35           | 36           | 40           |
|                         | Low    | dB(A) 33                                  | 33           | 34           | 34           | 36           |
| Sound Power Level       | High   | dB(A) 47                                  | 47           | 47           | 49           | 56           |
|                         | Medium | dB(A) 45                                  | 45           | 46           | 47           | 51           |
|                         | Low    | dB(A) 44                                  | 44           | 45           | 45           | 47           |
| Unit Dimensions (HxWxD) | mm     | 220x1230x800                              | 220x1230x800 | 220x1230x800 | 220x1230x800 | 220x1230x800 |
| Net Weight              | kg     | 26.5                                      | 26.5         | 26.5         | 26.5         | 27.5         |

## ■ Floor Standing (P1 type)

| Model Name              |        | S-22MP1E5                                 | S-28MP1E5    | S-36MP1E5    | S-45MP1E5    | S-56MP1E5    | S-71MP1E5    |
|-------------------------|--------|---|--------------|--------------|--------------|--------------|--------------|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |              |              |              |
| Cooling Capacity        | kW     | 2.2                                       | 2.8          | 3.6          | 4.5          | 5.6          | 7.1          |
|                         | BTU/h  | 7,500                                     | 9,600        | 12,000       | 15,000       | 19,000       | 24,000       |
| Heating Capacity        | kW     | 2.5                                       | 3.2          | 4.2          | 5.0          | 6.3          | 8.0          |
|                         | BTU/h  | 8,500                                     | 11,000       | 14,000       | 17,000       | 21,000       | 27,000       |
| Sound Pressure Level    | High   | dB(A) 33                                  | 33           | 39           | 38           | 39           | 41           |
|                         | Medium | dB(A) 30                                  | 30           | 35           | 35           | 36           | 38           |
|                         | Low    | dB(A) 28                                  | 28           | 29           | 31           | 31           | 35           |
| Sound Power Level       | High   | dB(A) 44                                  | 44           | 50           | 49           | 50           | 52           |
|                         | Medium | dB(A) 41                                  | 41           | 46           | 46           | 47           | 49           |
|                         | Low    | dB(A) 39                                  | 39           | 40           | 42           | 42           | 46           |
| Unit Dimensions (HxWxD) | mm     | 615x1065x230                              | 615x1065x230 | 615x1065x230 | 615x1380x230 | 615x1380x230 | 615x1380x230 |
| Net Weight              | kg     | 29  | 29           | 29           | 39           | 39           | 39           |

## ■ Concealed Floor Standing (R1 type)

| Model Name              |        | S-22MR1E5                                 | S-28MR1E5   | S-36MR1E5   | S-45MR1E5    | S-56MR1E5    | S-71MR1E5    |
|-------------------------|--------|---|-------------|-------------|--------------|--------------|--------------|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |              |              |              |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         | 4.5          | 5.6          | 7.1          |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      | 15,000       | 19,000       | 24,000       |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         | 5.0          | 6.3          | 8.0          |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      | 17,000       | 21,000       | 27,000       |
| Sound Pressure Level    | High   | dB(A) 33                                  | 33          | 39          | 38           | 39           | 41           |
|                         | Medium | dB(A) 30                                  | 30          | 35          | 35           | 36           | 38           |
|                         | Low    | dB(A) 28                                  | 28          | 29          | 31           | 31           | 35           |
| Sound Power Level       | High   | dB(A) 44                                  | 44          | 50          | 49           | 49           | 52           |
|                         | Medium | dB(A) 41                                  | 41          | 46          | 46           | 46           | 49           |
|                         | Low    | dB(A) 39                                  | 39          | 40          | 42           | 42           | 46           |
| Unit Dimensions (HxWxD) | mm     | 616x904x229                               | 616x904x229 | 616x904x229 | 616x1219x229 | 616x1219x229 | 616x1219x229 |
| Net Weight              | kg     | 21  | 21          | 21          | 28           | 28           | 28           |

# SPECIFICATION

## ■ Wall Mounted (K1 type)

| Model Name              |        | S-22MK1E5                                 | S-28MK1E5   | S-36MK1E5   |    |
|-------------------------|--------|---|-------------|-------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |             |             |    |
| Cooling Capacity        | kW     | 2.2                                       | 2.8         | 3.6         |    |
|                         | BTU/h  | 7,500                                     | 9,600       | 12,000      |    |
| Heating Capacity        | kW     | 2.5                                       | 3.2         | 4.2         |    |
|                         | BTU/h  | 8,500                                     | 11,000      | 14,000      |    |
| Sound Pressure Level    | High   | dB(A)                                     | 35          | 35          | 37 |
|                         | Medium | dB(A)                                     | 32          | 32          | 33 |
|                         | Low    | dB(A)                                     | 28          | 28          | 29 |
| Sound Power Level       | High   | dB(A)                                     | 46          | 46          | 48 |
|                         | Medium | dB(A)                                     | 43          | 43          | 44 |
|                         | Low    | dB(A)                                     | 39          | 39          | 40 |
| Unit Dimensions (HxWxD) | mm     | 285x825x217                               | 285x825x217 | 285x825x217 |    |
| Net Weight              | kg     | 10  | 10          | 10          |    |

| Model Name              |        | S-45MK1E5                                 | S-56MK1E5    | S-73MK1E5    | S-106MK1E5   |    |
|-------------------------|--------|---|--------------|--------------|--------------|----|
| Power Source            |        | 220 - 230 - 240 V, single-phase, 50/60 Hz |              |              |              |    |
| Cooling Capacity        | kW     | 4.5                                       | 5.6          | 7.3          | 10.6         |    |
|                         | BTU/h  | 15,000                                    | 19,000       | 25,000       | 36,000       |    |
| Heating Capacity        | kW     | 5.0                                       | 6.3          | 8.0          | 11.4         |    |
|                         | BTU/h  | 17,000                                    | 21,000       | 27,000       | 39,000       |    |
| Sound Pressure Level    | High   | dB(A)                                     | 38           | 40           | 47           | 49 |
|                         | Medium | dB(A)                                     | 34           | 36           | 44           | 45 |
|                         | Low    | dB(A)                                     | 30           | 32           | 40           | 42 |
| Sound Power Level       | High   | dB(A)                                     | 49           | 51           | 58           | 60 |
|                         | Medium | dB(A)                                     | 45           | 47           | 55           | 56 |
|                         | Low    | dB(A)                                     | 41           | 43           | 51           | 53 |
| Unit Dimensions (HxWxD) | mm     | 300x1065x230                              | 300x1065x230 | 300x1065x230 | 300x1065x230 |    |
| Net Weight              | kg     | 13  | 13           | 14.5         | 14.5         |    |

# SPECIFICATION

## ■ 2WAY (ME1 series) Standard-COP mode

| Model Name              |       | U-8ME1E8<br>U-8ME1E8E              | U-10ME1E8<br>U-10ME1E8E | U-12ME1E8<br>U-12ME1E8E | U-14ME1E8<br>U-14ME1E8E | U-16ME1E8<br>U-16ME1E8E |
|-------------------------|-------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Power Source            |       | 380 - 400 - 415 V,<br>3N, 50/60 Hz |                         |                         |                         |                         |
| Cooling Capacity        | kW    | 22.4                               | 28.0                    | 33.5                    | 40.0                    | 45.0                    |
|                         | BTU/h | 76,500                             | 95,600                  | 114,300                 | 136,500                 | 153,600                 |
| Heating Capacity        | kW    | 25.0                               | 31.5                    | 37.5                    | 45.0                    | 50.0                    |
|                         | BTU/h | 85,300                             | 107,500                 | 128,000                 | 153,600                 | 170,600                 |
| Sound Pressure Level    | dB(A) | 56.5                               | 59.0                    | 61.0                    | 62.0                    | 62.0                    |
| Sound Power Level       | dB(A) | 71.0                               | 73.5                    | 75.5                    | 76.5                    | 76.5                    |
| Unit Dimensions (HxWxD) | mm    | 1758x770x930                       | 1758x770x930            | 1758x770x930            | 1758x1000x930           | 1758x1000x930           |
| Net Weight              | kg    | 230                                | 281                     | 281                     | 307                     | 307                     |

| Model Name              |       | U-18ME1E8<br>U-18ME1E8E      | U-20ME1E8<br>U-20ME1E8E |
|-------------------------|-------|------------------------------|-------------------------|
| Power Source            |       | 380 - 400 - 415 V, 3N, 50 Hz |                         |
| Cooling Capacity        | kW    | 50.0                         | 56.0                    |
|                         | BTU/h | 170,600                      | 191,100                 |
| Heating Capacity        | kW    | 56.0                         | 63.0                    |
|                         | BTU/h | 191,100                      | 215,000                 |
| Sound Pressure Level    | dB(A) | 60.0                         | 63.0                    |
| Sound Power Level       | dB(A) | 74.5                         | 77.5                    |
| Unit Dimensions (HxWxD) | mm    | 1758x1540x930                | 1758x1540x930           |
| Net Weight              | kg    | 423                          | 423                     |

\* Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications.

## ■ 2WAY (ME1 series) High-COP mode

| Model Name              |       | U-8ME1E8<br>U-8ME1E8E              | U-14ME1E8<br>U-14ME1E8E | U-16ME1E8<br>U-16ME1E8E | U-18ME1E8<br>U-18ME1E8E | U-20ME1E8<br>U-20ME1E8E |
|-------------------------|-------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Power Source            |       | 380 - 400 - 415 V,<br>3N, 50/60 Hz |                         |                         |                         |                         |
| Cooling Capacity        | kW    | 22.4                               | 28.0                    | 33.5                    | 40.0                    | 45.0                    |
|                         | BTU/h | 76,500                             | 95,600                  | 114,300                 | 136,500                 | 153,600                 |
| Heating Capacity        | kW    | 25.0                               | 31.5                    | 37.5                    | 45.0                    | 50.0                    |
|                         | BTU/h | 85,300                             | 107,500                 | 128,000                 | 153,600                 | 170,600                 |
| Sound Pressure Level    | dB(A) | 56.5                               | 60.0                    | 60.0                    | 59.0                    | 60.0                    |
| Sound Power Level       | dB(A) | 71.0                               | 72.0                    | 72.0                    | 75.0                    | 76.0                    |
| Unit Dimensions (HxWxD) | mm    | 1758x770x930                       | 1758x1000x930           | 1758x1000x930           | 1758x1540x930           | 1758x1540x930           |
| Net Weight              | kg    | 230                                | 307                     | 307                     | 423                     | 423                     |

\* Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications.



# SPECIFICATION

## ■ 3WAY (MF1 series)

| Model Name              |       | U-8MF1E8                               | U-10MF1E8 | U-12MF1E8 | U-14MF1E8 | U-16MF1E8 |
|-------------------------|-------|--|-----------|-----------|-----------|-----------|
| Power Source            |       | 380 - 400 - 415 V, 3N, 50 Hz           |           |           |           |           |
| Cooling Capacity        | kW    | 22.4                                   | 28.0      | 33.5      | 40.0      | 45.0      |
|                         | BTU/h | 76,400                                 | 95,500    | 114,300   | 136,500   | 153,600   |
| Heating Capacity        | kW    | 25.0                                   | 31.5      | 37.5      | 45.0      | 50.0      |
|                         | BTU/h | 85,300                                 | 107,500   | 128,000   | 153,600   | 170,600   |
| Sound Pressure Level    | dB(A) | 54.7                                   | 55.3      | 56.3      | 60.3      | 60.5      |
| Sound Power Level       | dB(A) | 68.4                                   | 69.0      | 70.0      | 74.0      | 73.7      |
| Unit Dimensions (HxWxD) | mm    | 1887×890×(890(Ceiling dimension)(+60)) |           |           |           |           |
| Net Weight              | kg    | 290                                    | 290       | 290       | 340       | 340       |

# SPECIFICATION

# Caractéristiques / Technische Daten / Specifiche / Especificações / Προδιαγραφές / Especificaciones

| English                               | Français                                  | Deutsch   | Italiano   |
|---------------------------------------|---|---|--|
| 4-Way Cassette (U1 type)              | Cassette 4 voies (Type U1)                | 4-Weg Kasette (Typ U1)                                    | A cassetta a 4 vie (tipo U1)                           |
| Ceiling (T1 type)                     | Plafond (Type T1)                         | Deckenmontage (Typ T1)                                    | A soffitto (tipo T1)                                   |
| High Static Pressure Ducted (E1 type) | Conduit Haute Pression Statique (Type E1) | Kanalgerät mit hoher statischer Pressung (Typ E1)         | A condotto ad alta pressione statica (tipo E1)         |
| 4-Way Cassette 60x60 (Y1 type)        | Cassette 4 voies 60x60 (Type Y1)          | 4-Weg Kasette 60 x 60 (Typ Y1)                            | A cassetta a 4 vie 60x60 (tipo Y1)                     |
| Slim Low Static Ducted (M1 type)      | Conduit Mince Faible Statique (Type M1)   | Flaches Kanalgerät mit niedriger statischer Pressung (M1) | Sottile a condotto a bassa pressione statica (tipo M1) |
| Low Silhouette Ducted (F1 type)       | Conduit Silhouette Basse (Type F1)        | Kanalgerät, flache Bauform (Typ F1)                       | A profilo basso a condotto (tipo F1)                   |
| 2-Way Cassette (L1 type)              | Cassette 2 voies (Type L1)                | 2-Weg Kasette (Typ L1)                                    | A cassetta a 2 vie (tipo L1)                           |
| 1-Way Cassette (D1 type)              | Cassette 1 voie (Type D1)                 | 1-Weg Kasette (Typ D1)                                    | A cassetta a 1 via (tipo D1)                           |
| Floor Standing (P1 type)              | Vertical au sol (Type P1)                 | Bodenaufstellung (Typ P1)                                 | A pavimento (tipo P1)                                  |
| Concealed Floor Standing (R1 type)    | Vertical au sol caché (Type R1)           | Bodenaufstellung/Einbau (Typ R1)                          | A pavimento nascosto (tipo R1)                         |
| Wall Mounted (K1 type)                | Monté au mur (Type K1)                    | Wandmontage (Typ K1)                                      | Con montaggio a parete (tipo K1)                       |
| 2-Way (ME1 series)                    | 2 voies (série ME1)                       | 2-Weg (Serie ME1)   | A 2 vie (serie ME1)                                    |
| Standard-COP mode                     | Mode COP standard                         | COP-Modus Standard  | Modalità COP standard                                  |
| 2-Way (ME1 series)                    | 2 voies (série ME1)                       | 2-Weg (Serie ME1)   | A 2 vie (serie ME1)                                    |
| High-COP mode                         | Mode COP élevé                            | COP-Modus hoch  | Modalità COP alta                                      |
| 3-Way (MF1 series)                    | 3 voies (série MF1)                       | 3-Weg (Serie MF1)   | A 3 vie (serie MF1)                                    |

| English                               | Português                                  | Ελληνική   | Español  |
|---------------------------------------|--|--|--|
| 4-Way Cassette (U1 type)              | Cassete de 4 vias (Tipo U1)                | Κασέτας 4-δρομο (Τύπος U1)                             | Cassette de 4 vias (tipo U1)                       |
| Ceiling (T1 type)                     | Tecto (Tipo T1)                            | Οροφής (Τύπος T1)                                      | Techo (tipo T1)                                    |
| High Static Pressure Ducted (E1 type) | Pressão estática elevada no tubo (Tipo E1) | Αγωγός υψηλής στατικής πίεσης (Τύπος E1)               | Conductos de presión estática alta (tipo E1)       |
| 4-Way Cassette 60x60 (Y1 type)        | Cassete de 4 vias 60x60 (Tipo Y1)          | Κασέτας 4-δρομο 60x60 (Τύπος Y1)                       | Cassette de 4 vias 60x60 (tipo Y1)                 |
| Slim Low Static Ducted (M1 type)      | Estática baixa fina no tubo (Tipo M1)      | Αγωγός χαμηλής στατικής πίεσης λεπτού τύπου (Τύπος M1) | Conductos finos de presión estática baja (tipo M1) |
| Low Silhouette Ducted (F1 type)       | Baixo perfil no tubo (Tipo F1)             | Χαμηλής σιλουέτας με αγωγή (Τύπος F1)                  | Conductos de silueta baja (tipo F1)                |
| 2-Way Cassette (L1 type)              | Cassete de 2 vias (Tipo L1)                | Κασέτας 2-δρομο (Τύπος L1)                             | Cassette de 2 vias (tipo L1)                       |
| 1-Way Cassette (D1 type)              | Cassete de 1 via (Tipo D1)                 | Κασέτας 1-δρομο (Τύπος D1)                             | Cassette de 1 vía (tipo D1)                        |
| Floor Standing (P1 type)              | Montagem no chão (Tipo P1)                 | Όρθιο δαπέδου (Τύπος P1)                               | De pie (tipo P1)                                   |
| Concealed Floor Standing (R1 type)    | Montagem no chão oculta (Tipo R1)          | Εντοιχισμένο όρθιο δαπέδου (Τύπος R1)                  | De pie y oculto (tipo R1)                          |
| Wall Mounted (K1 type)                | Montagem na parede (Tipo K1)               | Επιτοίχιο (Τύπος K1)                                   | Montado en pared (tipo K1)                         |
| 2-Way (ME1 series)                    | 2 vias (Série ME1)                         | 2-δρομο (Σειρά ME1)                                    | 2 vias (serie ME1)                                 |
| Standard-COP mode                     | Modo COP padrão                            | Λειτουργία τυπικού COP                                 | Modo COP estándar                                  |
| 2-Way (ME1 series)                    | 2 vias (Série ME1)                         | 2-δρομο (Σειρά ME1)                                    | 2 vias (serie ME1)                                 |
| High-COP mode                         | Modo COP alto                              | Λειτουργία υψηλού COP                                  | Modo COP alto                                      |
| 3-Way (MF1 series)                    | 3 vias (Série MF1)                         | 3-δρομο (Σειρά MF1)                                    | 3 vias (serie MF1)                                 |

# SPECIFICATION

# Caractéristiques / Technische Daten / Specifiche / Especificações / Προδιαγραφές / Especificaciones

| English   | Français   | Deutsch  | Italiano  |
|---|--|--|---|
| Model Name  | Nom du modèle  | Modellbezeichnung  | Modello   |
| Power Source  | Source d'alimentation  | Spannungsquelle  | Fonte di alimentazione  |
| Cooling Capacity  | Capacité de refroidissement  | Kühlleistung   | Capacità di raffreddamento  |
| Heating Capacity  | Capacité de chauffage  | Heizleistung   | Capacità di riscaldamento   |
| Sound Pressure Level (High/Medium/Low)  | Niveau de pression sonore (Haut/Moyen/Bas)   | Schalldruckpegel (hoch/mittel/niedrig)   | Livello di pressione acustica (alto/medio/basso)  |
| Sound Power Level (High/Medium/Low)   | Niveau de puissance sonore (Haut/Moyen/Bas)  | Schalleistungspegel (hoch/mittel/niedrig)  | Livello di potenza acustica (alto/medio/basso)  |
| Unit Dimensions (HxWxD; mm)   | Dimensions d'unité (HxLxP; mm)   | Geräteabmessungen (H x B x T [mm])   | Dimensioni unità (AxLxP; mm)  |
| Only 3-Way (MF1 series)   | Seulement 3 voies (série MF1)  | Nur 3-Weg (Serie MF1)  | Solo a 3 vie (serie MF1)  |
| (HxWxD: ceiling dimension)  | (HxLxP : dimensions plafond)   | (H x B x T: Deckenmaß)   | (AxLxP: dimensione soffitto)  |
| Net Weight (kg)   | Poids net (kg)   | Nettogewicht (kg)  | Peso netto (kg)   |
| Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications. | Les noms de modèle d'unité extérieure se terminant par les lettres « E8E » sont des spécifications de résistance aux dommages provoqués par l'air marin. | Die Außeneinheit, deren Modellbezeichnung auf „E8E“ endet, ist laut Spezifikation salzluftbeständig. | I nomi dei modelli di unità esterne che terminano con i caratteri "E8E" indicano caratteristiche tecniche di resistenza al danneggiamento da salsedine. |

| English   | Português   | Ελληνική   | Español  |
|---|---|--|--|
| Model Name  | Nome do modelo  | Όνομα μοντέλου   | Nombre del modelo  |
| Power Source  | Fonte de alimentação  | Πηγή ισχύος  | Fuente de alimentación   |
| Cooling Capacity  | Capacidade de arrefecimento   | Δυνατότητα ψύξης   | Capacidad de refrigeración   |
| Heating Capacity  | Capacidade de aquecimento   | Δυνατότητα θέρμανσης   | Capacidad de calefacción   |
| Sound Pressure Level (High/Medium/Low)  | Nível da pressão do som (Alto/Médio/Baixo)  | Επίπεδο πίεσης ήχου (Υψηλό/Μεσαίο/Χαμηλό)  | Nivel de presión acústica (alto/medio/bajo)  |
| Sound Power Level (High/Medium/Low)   | Nível da potência de som (Alto/Médio/Baixo)   | Επίπεδο ισχύος ήχου (Υψηλό/Μεσαίο/Χαμηλό)  | Nivel de potencia acústica (alto/medio/bajo)   |
| Unit Dimensions (HxWxD; mm)   | Dimensões da unidade (AxLxP; mm)  | Διαστάσεις μονάδας (ΥxΠxΒ, mm)   | Dimensiones de la unidad (Alto x Largo x Ancho; mm)  |
| Only 3-Way (MF1 series)   | Apenas 3 vias (Série MF1)   | Μόνο 3δρομο (Σειρά MF1)  | Sólo 3 vias (serie MF1)  |
| (HxWxD: ceiling dimension)  | (AxLxP: dimensão do tecto)  | (ΥxΠxΒ: διαστάσεις οροφής)   | (Alto x Largo x Ancho: dimensión del techo)  |
| Net Weight (kg)   | Peso líquido (kg)   | Καθαρό βάρος (kg)  | Peso neto (kg)   |
| Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications. | O nome do modelo da unidade exterior terminado pelas letras "E8E" é a especificação de resistência aos danos do ar salgado. | Το μοντέλο εξωτερικής μονάδας του οποίου η ονομασία τελειώνει με τους χαρακτήρες "E8E" είναι ανθεκτικό στην πρόκληση βλάβης από αέρα που περιέχει αλάτι. | El nombre del modelo de la unidad exterior termina con los caracteres "E8E" para indicar sus especificaciones de resistencia al aire salado. |

| <b>English</b>                        | <b>Русский</b>   | <b>Українська</b>  |
|---------------------------------------|--|--|
| 4-Way Cassette (U1 type)              | Кассетный с 4 направлениями потока (тип U1)            | 4-канальный кассетный (тип U1)                           |
| Ceiling (T1 type)                     | Потолочный (Тип T1)                                    | Стельовий (тип T1)                                       |
| High Static Pressure Ducted (E1 type) | Скрытый с высоким статическим давлением (тип E1)       | Із каналом під високим статичним тиском (тип E1)         |
| 4-Way Cassette 60x60 (Y1 type)        | Кассетный с 4 направлениями потока 60x60 (тип Y1)      | 4-канальный кассетный 60x60 (тип Y1)                     |
| Slim Low Static Ducted (M1 type)      | Скрытый тонкий с низким статическим давлением (тип M1) | Тонкий, із каналом під низьким статичним тиском (тип M1) |
| Low Silhouette Ducted (F1 type)       | Скрытый плоский (тип F1)                               | Із каналом з низького профілю (тип F1)                   |
| 2-Way Cassette (L1 type)              | Кассетный с 2 направлениями потока (тип L1)            | 2-канальный кассетный (тип L1)                           |
| 1-Way Cassette (D1 type)              | Кассетный с 1 направлением потока (тип D1)             | 1-канальный кассетный (тип D1)                           |
| Floor Standing (P1 type)              | Напольный (Тип P1)                                     | Підлоговий (тип P1)                                      |
| Concealed Floor Standing (R1 type)    | Скрытый напольный (Тип R1)                             | Прихований підлоговий (тип R1)                           |
| Wall Mounted (K1 type)                | Настенный (тип K1)                                     | Настінний (тип K1)                                       |
| 2-Way (ME1 series)                    | С 2 направлениями потока (серии ME1)                   | 2-канальный (серія ME1)                                  |
| Standard-COP mode                     | Стандартный COP режим                                  | Режим стандартного ККД                                   |
| 2-Way (ME1 series)                    | С 2 направлениями потока (серии ME1)                   | 2-канальный (серія ME1)                                  |
| High-COP mode                         | Высокий COP режим                                      | Режим високого ККД                                       |
| 3-Way (MF1 series)                    | С 3 направлениями потока (серии MF1)                   | 3-канальный (серія MF1)                                  |

| <b>English</b>  | <b>Русский</b>  | <b>Українська</b>  |
|---|---|--|
| Model Name  | Название модели   | Назва моделі   |
| Power Source  | Источник питания  | Джерело живлення   |
| Cooling Capacity  | Мощность охлаждения   | Охолоджувальна здатність   |
| Heating Capacity  | Мощность обогрева   | Нагрівальна здатність  |
| Sound Pressure Level (High/Medium/Low)  | Уровень звукового давления (Высокий/Средний/Низкий)   | Рівень звукового тиску (високий/середній/низький)  |
| Sound Power Level (High/Medium/Low)   | Уровень звуковой мощности (Высокий/Средний/Низкий)  | Рівень потужності звуку (високий/середній/низький)   |
| Unit Dimensions (HxWxD; mm)   | Размеры аппарата (ВxШxГ; мм)  | Розміри пристрою (ВxШxГ; мм)   |
| Only 3-Way (MF1 series)   | Только с 3 направлениями потока (серии MF1)   | Лише 3-канальный (серія MF1)   |
| (HxWxD: ceiling dimension)  | (ВxШxГ: размеры потолка)  | (ВxШxГ: розмір стелі)  |
| Net Weight (kg)   | Вес нетто (кг)  | Вага нетто (кг)  |
| Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications. | Название модели внешнего блока, оканчивающееся буквами "E8E", представляет собой устойчивый к соленому воздуху вариант. | Якщо назва моделі зовнішнього пристрою закінчується буквами «E8E», це означає, що модель стійка до дії солоного повітря. |

# SPECIFICATIONS Spesifikasi

| English                               | B.INDONESIA                             |
|---------------------------------------|---|
| 4-Way Cassette (U1 type)              | Kaset 4 Arah (Tipe U1)                  |
| Ceiling (T1 type)                     | Langit-Langit (Tipe T1)                 |
| High Static Pressure Ducted (E1 type) | Pipa Bertekanan Statis Tinggi (Tipe E1) |
| 4-Way Cassette 60x60 (Y1 type)        | Kaset 4 Arah 60x60 (Tipe Y1)            |
| Slim Low Static Ducted (M1 type)      | Pipa Statis Rendah dan Tipis (Tipe M1)  |
| Low Silhouette Ducted (F2 type)       | Pipa Siluet Rendah (Tipe F2)            |
| 2-Way Cassette (L1 type)              | Kaset 2 Arah (Tipe L1)                  |
| 1-Way Cassette (D1 type)              | Kaset 1 Arah (Tipe D1)                  |
| Floor Standing (P1 type)              | Berdiri (Tipe P1)                       |
| Concealed Floor Standing (R1 type)    | Berdiri dan Tersembunyi (Tipe R1)       |
| Wall Mounted (K1 type)                | Pemasangan di Dinding (Tipe K1)         |
| 2-Way (ME1 series)                    | 2 Arah (seri ME-1)                      |
| Standard-COP mode                     | Mode COP Standar                        |
| 2-Way (ME1 series)                    | 2 Arah (seri ME-1)                      |
| High-COP mode                         | Mode COP Tinggi                         |
| 3-Way (MF1 series)                    | 3 Arah (seri MF-1)                      |

| English   | B.INDONESIA  |
|---|--|
| Model Name  | Nama Model   |
| Power Source  | Catu Daya  |
| Cooling Capacity  | Kapasitas Pendinginan  |
| Heating Capacity  | Kapasitas Pemanasan  |
| Sound Pressure Level (High/Medium/Low)  | Tingkat Tekanan Suara (Tinggi/Sedang/Rendah)   |
| Sound Power Level (High/Medium/Low)   | Tingkat Daya Suara (Tinggi/Sedang/Rendah)  |
| Unit Dimensions (HxWxD; mm)   | Dimensi Unit (PxLxT; mm)   |
| (HxWxD:ceiling dimension)   | (PxLxT:dimensi langit-langit)  |
| Net Weight (kg)   | Berat Bersih (kg)  |
| Outdoor unit model name ended with letters "E8E" is salt-air damage resistant specifications. | Nama model unit outdoor yang berakhir dengan huruf "E8E" memiliki spesifikasi antikerusakan akibat air asin. |

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