Panasonic

Operating Instructions
Air Conditioner

Model No.

Outdoor Units		
MF2	3WAY	U-8MF2E8, U-10MF2E8, U-12MF2E8, U-14MF2E8, U-16MF2E8

Indoor Units

CASSETTE		CEILING-MOUNTED	WALL-MOUNTED	CONCEALED DUCT
(4-WAY: U1 Type)	(1-WAY: D1 Type)	(T1 Type)	(K1 Type)	(Slim Low Static)
S-22MU1E51	S-28MD1E5	S-36MT1E5	S-22MK1E5	(M1 Type)
S-28MU1E51	S-36MD1E5	S-45MT1E5	S-28MK1E5	S-22MM1E5
S-36MU1E51	S-45MD1E5	S-56MT1E5	S-36MK1E5	S-28MM1E5
S-45MU1E51	S-56MD1E5	S-73MT1E5	S-45MK1E5	S-36MM1E5
S-56MU1E51	S-73MD1E5	S-106MT1E5	S-56MK1E5	S-45MM1E5
S-60MU1E51		S-140MT1E5	S-73MK1E5	S-56MM1E5
S-73MU1E51			S-106MK1E5	
S-90MU1E51				(Low Silhouette)
S-106MU1E51				(F2 Type)
S-140MU1E51				S-22MF2E5
S-160MU1E51				S-28MF2E5
		FLOOR STANDING	CONCEALED FLOOR STANDING	S-36MF2E5
				S-45MF2E5
(4-WAY: Y1 Type)	(2-WAY: L1 Type)	(P1 Type)	(R1 Type)	S-56MF2E5
S-22MY1E5	S-22ML1E5	S-22MP1E5	S-22MR1E5	S-60MF2E5
S-28MY1E5	S-28ML1E5	S-28MP1E5	S-28MR1E5	S-73MF2E5
S-36MY1E5	S-36ML1E5	S-36MP1E5	S-36MR1E5	S-90MF2E5
S-45MY1E5	S-45ML1E5	S-45MP1E5	S-45MR1E5	S-106MF2E5
S-56MY1E5	S-56ML1E5	S-56MP1E5	S-56MR1E5	S-140MF2E5
	S-73ML1E5	S-71MP1E5	S-71MR1E5	S-160MF2E5
				(High Static Pressure)
				(E1 Type)
				S-73ME1E5
				S-106ME1E5
				S-140ME1E5
				S-224ME1E5
				S-280ME1E5

This air conditioner uses the refrigerant R410A.

Before operating the unit, read these operating instructions thoroughly and keep them for future reference.

CE

Panasonic Corporation
1006 Kadoma, Kadoma City, Osaka, Japan

CONTENTS

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 _____

SAFETY PRECAUTIONS

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

WARNING

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

CAUTION

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.**

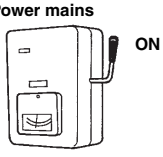
Avoid: To protect the air conditioner from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

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.



NOTE Disconnect the mains plug from the supply socket and main circuit breaker when not in use for an extended period of time. When turning off some of the outdoor or indoor units, the entire system becomes inoperative.

SAFETY INSTRUCTIONS

- Read these Operating Instructions 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 these Operating Instructions.

WARNING

Confirm to authorized dealer or specialist on usage of specified refrigerant type. Using of refrigerant other than the specified type may cause product damage, burst and injury etc.

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.

Do not use this appliance in a potentially explosive atmosphere.

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.

Pull off the power plug from a receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the air conditioner from the main power supply in case of emergency.

Do not insert your fingers or other objects into the air conditioner indoor or outdoor unit, rotating parts may cause injury.

Do not use modified cord, joint cord, extension cord or unspecified cord to prevent overheating and fire.

WARNING

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)
Examples of abnormality/failure

- The ELCB trips frequently.
- Burning smell is observed.
- Abnormal noise or vibration of the unit is observed.
- Water leaks from the indoor unit.
- Power cord or plug becomes abnormally hot.
- Fan speed cannot be controlled.
- The unit stops running immediately even if it is switched on for operation.
- The fan does not stop even if the operation is stopped.

Contact immediately your local dealer for maintenance/ repair.

CAUTION

This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

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. You may get injured.

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.**

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.

IMPORTANT INFORMATION REGARDING THE REFRIGERANT USED

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol. Do not vent gases into the atmosphere.

Refrigerant type: R410A

GWP(1) value: 1975

(1) GWP = global warming potential

Periodical inspections for refrigerant leaks may be required depending on European or local legislation. Please contact your local dealer for more information.

INFORMATION

Operation Condition

Use this air conditioner under the following temperature range.

Indoor temperature range:
Cooling mode 14°C ~ 25°C (*WBT) / 18°C ~ 32°C (*DBT)
Heating mode 15°C ~ 30°C (*DBT)

MF2 (3WAY) Outdoor temperature range:
Cooling & heating mode -10°C ~ 24°C (*DBT)
Cooling mode -10°C ~ 46°C (*DBT)
Heating mode -20°C ~ 18°C (*WBT)

*DBT: Dry bulb temperature
*WBT: Wet bulb temperature

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.

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.

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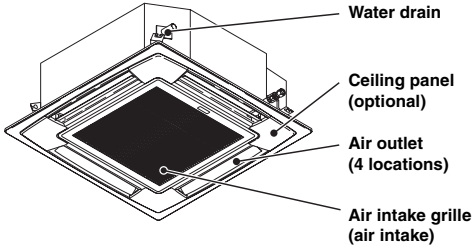
OPERATION

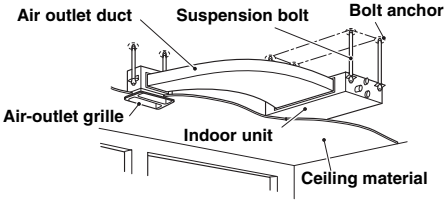
Names of Parts

INDOOR UNIT

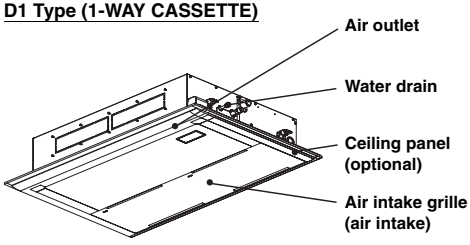
U1 Type (4-WAY CASSETTE)



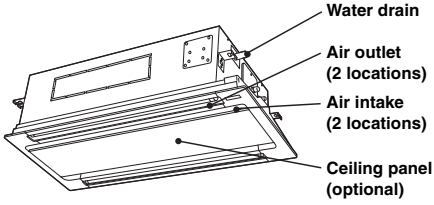
F2 Type (LOW SILHOUETTE DUCTED)



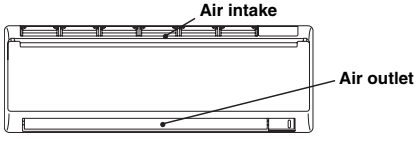
D1 Type (1-WAY CASSETTE)



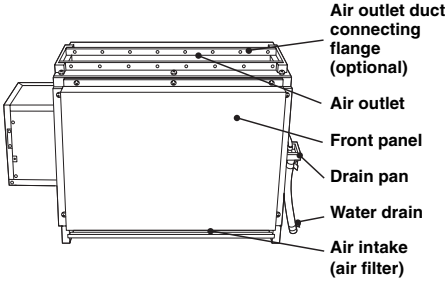
L1 Type (2-WAY CASSETTE)



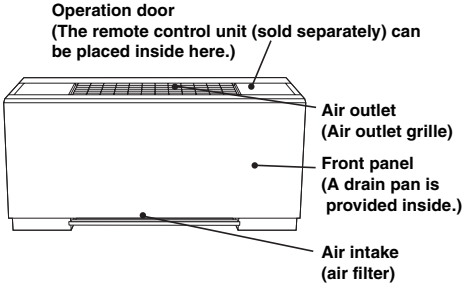
K1 Type (WALL MOUNTED)



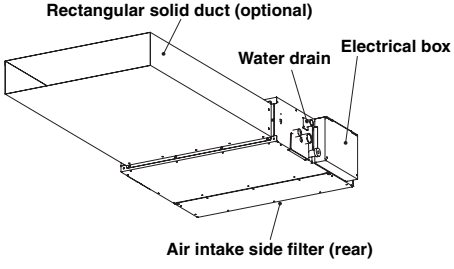
R1 Type (CONCEALED FLOOR STANDING)



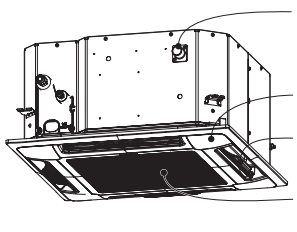
P1 Type (FLOOR STANDING)



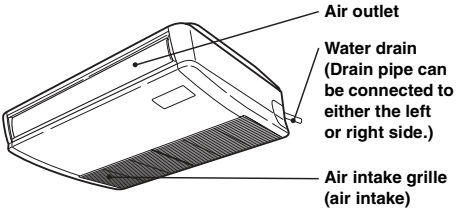
M1 Type (SLIM LOW STATIC DUCTED)



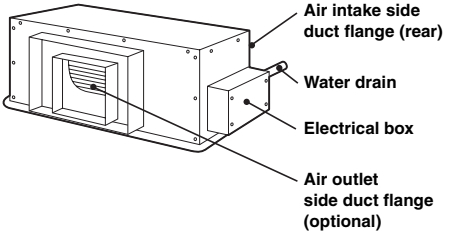
Y1 Type (4-WAY CASSETTE 60X60)



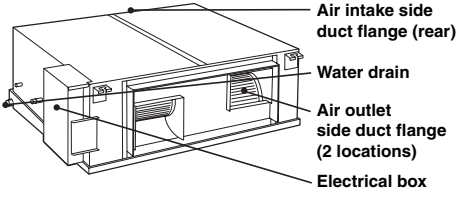
T1 Type (CEILING)



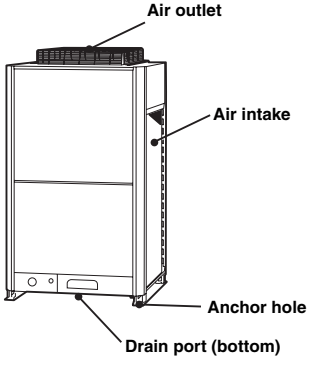
E1 Type (HIGH STATIC PRESSURE DUCTED) for 73, 106 & 140



E1 Type (HIGH STATIC PRESSURE DUCTED) for 224 & 280



MF2 Type (3WAY)



Wireless Remote Controller (Optional parts)

NOTE

Refer to the Operating Instructions attached to the optional Wireless Remote Controller.

(Wireless type: available for all indoor units)

Timer Remote Controller (Optional parts)

NOTE

Refer to the Operating Instructions attached to the optional Timer Remote Controller.

(Wired type: available for all indoor units)

ADJUSTING THE AIRFLOW DIRECTION

The functions differ depending on the indoor unit used. The airflow direction cannot be set using the remote controller for any unit which is not listed below.
U1 type, Y1 type, L1 type, D1 type, T1 type and K1 type.

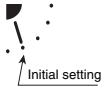
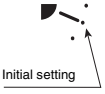
- Never use your hands to move the flap (vertical airflow flap) that is controlled using the remote controller.
- When the air conditioner is turned off, the flap (vertical airflow flap) automatically moves to the downward position.
- The flap (vertical airflow flap) moves to the upward position when 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 controller 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
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. 	The flap (vertical airflow flap) can be set to one of three positions. 		

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)

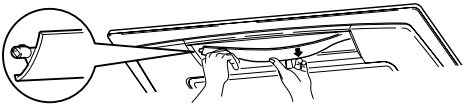
U1 type, Y1 type, L1 type and D1 type air conditioners are equipped with auto flaps.
You can set the airflow direction to a specific angle or to the sweep mode using the remote controller.

Do not move the flap with your hands.

CAUTION

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)**

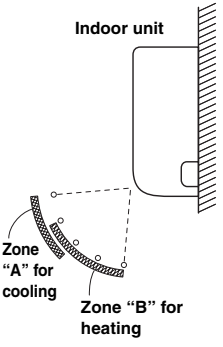
Vertical directions (automatic)
This air conditioner is equipped with an auto flap. You can set the airflow direction to a specific angle or to the sweep mode using the remote controller. (Refer to the description of the remote controller.)

Do not move the flap with your hands.

CAUTION

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 controller 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.

Do not move the flap with your hands.

CAUTION

Horizontal directions (manual)
The horizontal airflow direction can be adjusted manually by moving the vertical vanes to the left or right.

■ **Concealed duct type (F2, 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.

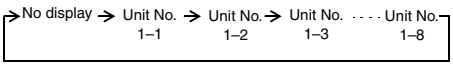
ADJUSTING THE AIRFLOW DIRECTION FOR MULTIPLE INDOOR UNITS USING A SINGLE REMOTE CONTROLLER (WIRED)

- The airflow direction cannot be set using the remote controller for the concealed duct type (F2, M1, E1) and floor standing type (P1, R1).
- If multiple indoor units are connected to a remote controller, the airflow direction can be set for each indoor unit by selecting the indoor units (see the operation below).

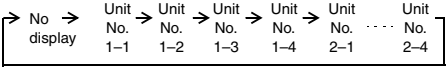
Auto Flap (UNIT) button

- 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



Two outdoor units and four indoor units



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.**

TROUBLESHOOTING

If your air conditioner does not work properly, first check the following points before requesting service. If it still does not work properly, contact your dealer or a service center.

INDOOR UNIT

Symptom		Cause
Noise	Sound like streaming water during operation or after operation	• Sound of refrigerant liquid flowing inside unit • Sound of drainage water through drain pipe
	Cracking noise during operation or when operation stops.	Cracking sound due to temperature changes of parts
Odor	Discharged air is smelled during operation.	Indoor odor components, cigarette odor and cosmetic odor accumurated in the air conditioner and its air is discharged. Unit inside is dusty. Consult your dealer.
Dewdrop	Dewdrop gets accumurated near air discharge during operation	Indoor moisture is cooled by cool wind and accumulated by dewdrop.
Fog	Fog occurs during operation in cooling mode. (Places where large amounts of oil mist exist at restaurants.)	• Cleaning is necessary because unit inside (heat exchanger) is dirty. Consult your dealer as technical engineering is required. • During defrost operation
Fan is rotating for a while even though operation stops.		• Fan rotating makes operation smoothly. • Fan may sometimes rotates because of drying heat exchanger due to settings.
Wind-direction changes while operating. Wind-direction setting cannot be made. Wind-direction cannot be changed.		• When air discharge temperature is low or during defrost operation, horizontal wind flow is made automatically. • Flap position is occasionally set up individually.
When wind-direction is changed, flap operates several times and stops at designated position.		When wind-direction is changed, flap operates after searching for standard position.
Dust		Dust accumulation inside indoor unit is discharged.
At the initial high-speed operation, the fan may sometimes rotate faster (for 3 to 30 minutes) than the setting speed.		This is for operation check in order to confirm whether the fan motor rotation is within use range.

OUTDOOR UNIT

Symptom		Cause
No operation	When power is turned ON instantly.	Operation is not activated for the first approx. 3 minutes because compressor protection circuit is activated.
	When operation is stopped and resumed immediately.	
Noise	Noise often occurs in heating mode.	During defrost operation
Steam	Steam often occurs in heating mode.	
When stopped by remote controller, outdoor unit fan is sometimes operating for a while even though outdoor compressor is stopped.		Fan rotating makes operation smoothly.

CHECK BEFORE REQUIRING SERVICES

Symptom	Cause	Remedy
Air conditioner does not run at all although power is turned on.	Power failure or after power failure	Press ON/OFF operation button on remote control unit again.
	Operation button is turned off.	• Switch on power if breaker is turned off. • If breaker has been tripped, consult your dealer without turning it on.
	Fuse blow out.	If blown out, consult your dealer.
Poor cooling or heating performance	Air intake or air discharge port of indoor and outdoor units is clogged with dust or obstacles.	Remove dust or obstruction.
	Wind speed switch is set to “Low”.	Change to “High” or “Strong”.
	Improper temperature settings	Refer to “TIPS FOR ENERGY SAVING”.
	Room is exposed to direct sunlight in cooling mode.	
	Doors and /or windows are open.	
	Air filter is clogged.	Refer to “CARE AND CLEANING”.
	Too much heat sources in room in cooling mode.	Use minimum heat sources and in a short time.
	Too many people in room in cooling mode.	Reduce temperature settings or change to “High” or “Strong”.

If your air conditioner still does not work properly although you checked the points as described above, first stop the operation and turn off the power switch. Then contact your dealer and report the serial number and symptom. Never repair your air conditioner by yourself since it is very dangerous for you to do so. You also report if the inspection mark ⚠ and the letters E, F, H, L, P in combination with the numbers appear on the LCD of the remote control unit.

TIPS FOR ENERGY SAVING

Avoid

- **Do not block the air intake and outlet of the unit. If either is obstructed, the unit will not work well, and may be damaged.**
- Do not let direct sunlight into the room. Use sunshades, blinds or curtains. If the walls and ceiling of the room are warmed by the sun, it will take longer to cool the room.

Do

- Always try to keep the air filter clean. (Refer to “CARE AND CLEANING”.) A clogged filter will impair the performance of the unit.
- To prevent conditioned air from escaping, keep windows, doors and any other openings closed.

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 power is restored using the same settings before the power was interrupted.

SPECIFICATIONS

■ **4-Way Cassette (U1 type)**

Model Name			S-22MU1E51	S-28MU1E51	S-36MU1E51	S-45MU1E51	S-56MU1E51	S-60MU1E51
Power Source			220 - 230 - 240 V, single-phase, 50 Hz					
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	6.0
		BTU/h	7,500	9,600	12,300	15,400	19,100	20,500
Heating Capacity		kW	2.5	3.2	4.2	5.0	6.3	7.1
		BTU/h	8,500	10,900	14,300	17,100	21,500	24,200
Sound Pressure Level	High	dB(A)	30	30	30	31	33	36
	Medium	dB(A)	29	29	29	29	30	32
	Low	dB(A)	28	28	28	28	28	29
Sound Power Level	High	dB(A)	47	47	47	48	50	53
	Medium	dB(A)	46	46	46	46	47	49
	Low	dB(A)	45	45	45	45	45	46
Unit Dimensions (H×W×D)		mm	290×950×950	290×950×950	290×950×950	290×950×950	290×950×950	290×950×950
Net Weight		kg	27	27	27	27	27	28

Model Name			S-73MU1E51	S-90MU1E51	S-106MU1E51	S-140MU1E51	S-160MU1E51
Power Source			220 - 230 - 240 V, single-phase, 50 Hz				
Cooling Capacity		kW	7.3	9.0	10.6	14.0	16.0
		BTU/h	24,900	30,700	36,200	47,800	54,600
Heating Capacity		kW	8.0	10.0	11.4	16.0	18.0
		BTU/h	27,300	34,100	38,900	54,600	61,400
Sound Pressure Level	High	dB(A)	37	38	44	45	46
	Medium	dB(A)	32	35	38	39	40
	Low	dB(A)	29	32	34	35	38
Sound Power Level	High	dB(A)	54	55	61	62	63
	Medium	dB(A)	49	52	55	55	56
	Low	dB(A)	46	49	51	51	53
Unit Dimensions (H×W×D)		mm	290×950×950	290×950×950	353×950×950	353×950×950	353×950×950
Net Weight		kg	28	28	31	31	31

■ **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 (H×W×D)		mm	210×910×680	210×910×680	210×910×680	210×1180×680	210×1595×680	210×1595×680
Net Weight		kg	21	21	21	25	33	33

SPECIFICATIONS

■ **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 (H×W×D)		mm	420×1065×620	420×1065×620	450×1065×620	467×1428×1230	467×1428×1230
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 (H×W×D)		mm	313×625×625	313×625×625	313×625×625	313×625×625	313×625×625
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 (H×W×D)		mm	200×750×640	200×750×640	200×750×640	200×750×640	200×750×640
Net Weight		kg	19	19	19	19	19

SPECIFICATIONS

■ **Low Silhouette Ducted (F2 type)**

Model Name			S-22MF2E5	S-28MF2E5	S-36MF2E5	S-45MF2E5	S-56MF2E5	S-60MF2E5
Power Source			220 - 230 - 240 V, single-phase, 50 Hz					
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	6.0
		BTU/h	7,500	9,600	12,300	15,400	19,100	20,500
Heating Capacity		kW	2.5	3.2	4.2	5.0	6.3	7.1
		BTU/h	8,500	10,900	14,300	17,100	21,500	24,200
Sound Pressure Level	High	dB(A)	33	33	33	34	34	35
	Medium	dB(A)	29	29	29	32	32	32
	Low	dB(A)	25	25	25	28	28	26
Sound Power Level	High	dB(A)	55	55	55	56	56	57
	Medium	dB(A)	51	51	51	54	54	54
	Low	dB(A)	47	47	47	50	50	48
Unit Dimensions (H×W×D)		mm	290×800×700	290×800×700	290×800×700	290×800×700	290×800×700	290×1,000×700
Net Weight		kg	29	29	29	29	29	34

Model Name			S-73MF2E5	S-90MF2E5	S-106MF2E5	S-140MF2E5	S-160MF2E5
Power Source			220 - 230 - 240 V, single-phase, 50 Hz				
Cooling Capacity		kW	7.3	9.0	10.6	14.0	16.0
		BTU/h	24,900	30,700	36,200	47,800	54,600
Heating Capacity		kW	8.0	10.0	11.4	16.0	18.0
		BTU/h	27,300	34,100	38,900	54,600	61,400
Sound Pressure Level	High	dB(A)	35	37	38	39	40
	Medium	dB(A)	32	34	34	35	36
	Low	dB(A)	26	28	31	32	33
Sound Power Level	High	dB(A)	57	59	60	61	62
	Medium	dB(A)	54	56	56	57	58
	Low	dB(A)	48	50	53	54	55
Unit Dimensions (H×W×D)		mm	290×1,000×700	290×1,000×700	290×1,400×700	290×1,400×700	290×1,400×700
Net Weight		kg	34	34	46	46	46

■ **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 (H×W×D)		mm	358×1060×680	358×1060×680	358×1060×680	358×1060×680	358×1060×680	358×1360×680
Net Weight		kg	28.5	28.5	28.5	28.5	28.5	39

SPECIFICATIONS

■ **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 (H×W×D)		mm	220×1230×800	220×1230×800	220×1230×800	220×1230×800	220×1230×800
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 (H×W×D)		mm	615×1065×230	615×1065×230	615×1065×230	615×1380×230	615×1380×230	615×1380×230
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 (H×W×D)		mm	616×904×229	616×904×229	616×904×229	616×1219×229	616×1219×229	616×1219×229
Net Weight		kg	21	21	21	28	28	28

SPECIFICATIONS

■ **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 (H×W×D)		mm	285×825×217	285×825×217	285×825×217
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 (H×W×D)		mm	300×1065×230	300×1065×230	300×1065×230	300×1065×230
Net Weight		kg	13	13	14.5	14.5

SPECIFICATIONS

■ **3WAY (MF2 series)**

Model Name		U-8MF2E8	U-10MF2E8	U-12MF2E8	U-14MF2E8
Power Source		380 - 400 - 415 V, 3-phase, 50 Hz			
Cooling Capacity	kW	22.4	28.0	33.5	40.0
	BTU/h	76,500	95,600	114,300	136,500
Heating Capacity	kW	25.0	31.5	37.5	45.0
	BTU/h	85,300	107,500	128,000	153,600
Sound Pressure Level	dB(A)	57.0	59.0	61.0	62.0
Sound Power Level	dB(A)	71.5	73.5	75.5	76.5
Unit Dimensions (H×W×D)	mm	1758×1000×930	1758×1000×930	1758×1000×930	1758×1000×930
Net Weight	kg	269	269	314	322

Model Name		U-16MF2E8
Power Source		380 - 400 - 415 V, 3-phase, 50 Hz
Cooling Capacity	kW	45.0
	BTU/h	153,600
Heating Capacity	kW	50.0
	BTU/h	170,600
Sound Pressure Level	dB(A)	62.0
Sound Power Level	dB(A)	76.5
Unit Dimensions (H×W×D)	mm	1758×1000×930
Net Weight	kg	322

SPECIFICATIONS

CARACTÉRISTIQUES / ESPECIFICACIONES / TECHNISCHE DATEN / SPECIFICHE / SPECIFICATIE / ESPECIFICAÇÕES

English	Français	Español	Deutsch
4-Way Cassette (U1 type)	Cassette 4 voies (Type U1)	Cassette de 4 vías (tipo U1)	4-Weg Kassette (Typ U1)
Ceiling (T1 type)	Plafond (Type T1)	Techo (tipo T1)	Deckenmontage (Typ T1)
High Static Pressure Ducted (E1 type)	Conduit Haute Pression Statique (Type E1)	Conductos de presión estática alta (tipo E1)	Kanalgerät mit hoher statischer Pressung (Typ E1)
4-Way Cassette 60x60 (Y1 type)	Cassette 4 voies 60x60 (Type Y1)	Cassette de 4 vías 60x60 (tipo Y1)	4-Weg Kassette 60 x 60 (Typ Y1)
Slim Low Static Ducted (M1 type)	Conduit Mince Faible Statique (Type M1)	Conductos finos de presión estática baja (tipo M1)	Flaches Kanalgerät mit niedriger statischer Pressung (M1)
Low Silhouette Ducted (F2 type)	Conduit Silhouette Basse (Type F2)	Conductos de silueta baja (tipo F2)	Kanalgerät, flache Bauform (Typ F2)
2-Way Cassette (L1 type)	Cassette 2 voies (Type L1)	Cassette de 2 vías (tipo L1)	2-Weg Kassette (Typ L1)
1-Way Cassette (D1 type)	Cassette 1 voie (Type D1)	Cassette de 1 vía (tipo D1)	1-Weg Kassette (Typ D1)
Floor Standing (P1 type)	Vertical au sol (Type P1)	De pie (tipo P1)	Bodenaufstellung (Typ P1)
Concealed Floor Standing (R1 type)	Vertical au sol caché (Type R1)	De pie y oculto (tipo R1)	Bodenaufstellung/Einbau (Typ R1)
Wall Mounted (K1 type)	Monté au mur (Type K1)	Montado en pared (tipo K1)	Wandmontage (Typ K1)
3WAY (MF2 series)	3WAY (série MF2)	3WAY (serie MF2)	3WAY (Serie MF2)

English	Italiano	Nederlands	Português
4-Way Cassette (U1 type)	A cassetta a 4 vie (tipo U1)	4-weg cassette (type U1)	Cassete de 4 vias (Tipo U1)
Ceiling (T1 type)	A soffitto (tipo T1)	Plafond (type T1)	Tecto (Tipo T1)
High Static Pressure Ducted (E1 type)	A condotto ad alta pressione statica (tipo E1)	Kanaalmodel met hoge statische druk (type E1)	Pressão estática elevada no tubo (Tipo E1)
4-Way Cassette 60x60 (Y1 type)	A cassetta a 4 vie 60x60 (tipo Y1)	4-weg cassette 60x60 (type Y1)	Cassete de 4 vias 60x60 (Tipo Y1)
Slim Low Static Ducted (M1 type)	Sottile a condotto a bassa pressione statica (tipo M1)	Slank laag statisch kanaalmodel (type M1)	Estática baixa fina no tubo (Tipo M1)
Low Silhouette Ducted (F2 type)	A profilo basso a condotto (tipo F2)	Kanaalmodel met onopvallend silhouet (type F2)	Baixo perfil no tubo (Tipo F2)
2-Way Cassette (L1 type)	A cassetta a 2 vie (tipo L1)	2-weg cassette (type L1)	Cassete de 2 vias (Tipo L1)
1-Way Cassette (D1 type)	A cassetta a 1 via (tipo D1)	1-weg cassette (type D1)	Cassete de 1 via (Tipo D1)
Floor Standing (P1 type)	A pavimento (tipo P1)	Vloermodel (type P1)	Montagem no chão (Tipo P1)
Concealed Floor Standing (R1 type)	A pavimento nascosto (tipo R1)	Verborgen vloermodel (type R1)	Montagem no chão oculta (Tipo R1)
Wall Mounted (K1 type)	Con montaggio a parete (tipo K1)	Wandmodel (K1)	Montagem na parede (Tipo K1)
3WAY (MF2 series)	3WAY (serie MF2)	3WAY (serie MF2)	3WAY (Série MF2)

SPECIFICATIONS

CARACTÉRISTIQUES / ESPECIFICACIONES / TECHNISCHE DATEN / SPECIFICHE / SPECIFICATIE / ESPECIFICAÇÕES

English	Français	Español	Deutsch
Model Name	Nom du modèle	Nombre del modelo	Modellbezeichnung
Power Source	Source d'alimentation	Fuente de alimentación	Spannungsquelle
Cooling Capacity	Capacité de refroidissement	Capacidad de refrigeración	Kühlleistung
Heating Capacity	Capacité de chauffage	Capacidad de calefacción	Heizleistung
Sound Pressure Level (High/ Medium/Low)	Niveau de pression sonore (Haut/ Moyen/Bas)	Nivel de presión acústica (alto/ medio/bajo)	Schalldruckpegel (hoch/mittel/ niedrig)
Sound Power Level (High/ Medium/Low)	Niveau de puissance sonore (Haut/Moyen/Bas)	Nivel de potencia acústica (alto/ medio/bajo)	Schallleistungspegel (hoch/mittel/ niedrig)
Unit Dimensions (HxWxD; mm)	Dimensions d'unité (HxLxP ; mm)	Dimensiones de la unidad (Alto x Largo x Ancho; mm)	Geräteabmessungen (H x B x T [mm])
(HxWxD: ceiling dimension)	(HxLxP : dimensions plafond)	(Alto x Largo x Ancho: dimensión del techo)	(H x B x T: Deckenmaß)
Net Weight (kg)	Poids net (kg)	Peso neto (kg)	Nettogewicht (kg)

English	Italiano	Nederlands	Português
Model Name	Modello	Modelnaam	Nome do modelo
Power Source	Fonte di alimentazione	Voeding	Fonte de alimentação
Cooling Capacity	Capacità di raffreddamento	Koelingscapaciteit	Capacidade de arrefecimento
Heating Capacity	Capacità di riscaldamento	Verwarmingscapaciteit	Capacidade de aquecimento
Sound Pressure Level (High/ Medium/Low)	Livello di pressione acustica (alto/ medio/basso)	Geluidsdrukniveau (hoog/ normaal/laag)	Nível da pressão do som (Alto/ Médio/Baixo)
Sound Power Level (High/ Medium/Low)	Livello di potenza acustica (alto/ medio/basso)	Geluidsvermogenniveau (hoog/ normaal/laag)	Nível da potência de som (Alto/ Médio/Baixo)
Unit Dimensions (HxWxD; mm)	Dimensioni unità (AxLxP; mm)	Afmetingen van de unit (H x B x D; mm)	Dimensões da unidade (AxLxP; mm)
(HxWxD: ceiling dimension)	(AxLxP: dimensione soffitto)	(H x B x D: plafondafmeting)	(AxLxP: dimensão do tecto)
Net Weight (kg)	Peso netto (kg)	Nettogewicht (kg)	Peso líquido (kg)

SPECIFICATIONS ΠΡΟΔΙΑΓΡΑΦΕΣ / СПЕЦИФИКАЦИИ / ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ / СПЕЦИФІКАЦІЯ

English	Ελληνικη	Български	Русский	Українська
4-Way Cassette (U1 type)	Κασέτας 4-δρομο (Τύπος U1)	4-пътен касетен (тип U1)	Кассетный с 4 направлениями потока (тип U1)	4-канальний касетний (тип U1)
Ceiling (T1 type)	Οροφής (Τύπος T1)	Таванен (тип T1)	Потолочный (Тип T1)	Стельовий (тип T1)
High Static Pressure Ducted (E1 type)	Αγωγός υψηλής στατικής πίεσης (Τύπος E1)	Високонапорен канален (тип E1)	Скрытый с высоким статическим давлением (тип E1)	Із каналом під високим статичним тиском (тип E1)
4-Way Cassette 60x60 (Y1 type)	Κασέτας 4-δρομο 60x60 (Τύπος Y1)	4-пътен касетен 60x60 (тип Y1)	Кассетный с 4 направлениями потока 60x60 (тип Y1)	4-канальний касетний 60x60 (тип Y1)
Slim Low Static Ducted (M1 type)	Αγωγός χαμηλής στατικής πίεσης λεπτού τύπου (Τύπος M1)	Тънък нисконапорен канален (тип M1)	Скрытый тонкий с низким статическим давлением (тип M1)	Тонкий, із каналом під низьким статичним тиском (тип M1)
Low Silhouette Ducted (F2 type)	Χαμηλής σιλουέτας με αγωγό (Τύπος F2)	Канален с нисък силует (тип F2)	Скрытый плоский (тип F2)	Із каналом з низького профілю (тип F2)
2-Way Cassette (L1 type)	Κασέτας 2-δρομο (Τύπος L1)	2-пътен касетен (тип L1)	Кассетный с 2 направлениями потока (тип L1)	2-канальний касетний (тип L1)
1-Way Cassette (D1 type)	Κασέτας 1-δρομο (Τύπος D1)	1-пътен касетен (тип D1)	Кассетный с 1 направлением потока (тип D1)	1-канальний касетний (тип D1)
Floor Standing (P1 type)	Όρθιο δαπέδου (Τύπος P1)	Подов колонен (тип P1)	Напольный (Тип P1)	Підлоговий (тип P1)
Concealed Floor Standing (R1 type)	Εντοιχισμένο όρθιο δαπέδου (Τύπος R1)	Скрит подов колонен (тип R1)	Скрытый напольный (Тип R1)	Прихований підлоговий (тип R1)
Wall Mounted (K1 type)	Επιτοίχιο (Τύπος K1)	Стенен (тип K1)	Настенный (тип K1)	Настінний (тип K1)
3WAY (MF2 series)	3WAY (Σειρά MF2)	3WAY (серия MF2)	3WAY (серии MF2)	3WAY (серія MF2)

English	Ελληνικη	Български	Русский	Українська
Model Name	Όνομα μοντέλου	Наименование на модел	Название модели	Назва моделі
Power Source	Πηγή ισχύος	Захранване	Источник питания	Джерело живлення
Cooling Capacity	Δυνατότητα ψύξης	Охлаждаща мощност	Мощность охлаждения	Охолоджувальна здатність
Heating Capacity	Δυνατότητα θέρμανσης	Отоплителна мощност	Мощность обогрева	Нагрівальна здатність
Sound Pressure Level (High/Medium/Low)	Επίπεδο πίεσης ήχου (Υψηλό/Μεσαίο/Χαμηλό)	Ниво на звуково налягане	Уровень звукового давления (Высокий/Средний/Низкий)	Рівень звукового тиску (високий/середній/низький)
Sound Power Level (High/Medium/Low)	Επίπεδο ισχύος ήχου (Υψηλό/Μεσαίο/Χαμηλό)	Ниво на сила на звука	Уровень звуковой мощности (Высокий/Средний/Низкий)	Рівень потужності звуку (високий/середній/низький)
Unit Dimensions (HxWxD; mm)	Διαστάσεις μονάδας (ΥxΠxΒ, mm)	Размери на модула (ВхШхД, мм)	Размеры аппарата (ВхШхГ; мм)	Розміри пристрою (ВхШхГ; мм)
(HxWxD: ceiling dimension)	(ΥxΠxΒ: διαστάσεις οροφής)	ВхШхД: размери на тавана)	(ВхШхГ: размеры потолка)	(ВхШхГ: розмір стелі)
Net Weight (kg)	Καθαρό βάρος (kg)	Нетно тегло (кг)	Вес нетто (кг)	Вага нетто (кг)

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