

Outdoor Unit Fan Control; Outdoor Unit's Electrical Expansion Valve Control; Heating Mask Time; Ending Defrosting - Sanyo SPW-C256VH Technical Data & Service Manual

4-way air discharge semi-concealed wall-mounted ceiling-mounted concealed-duct

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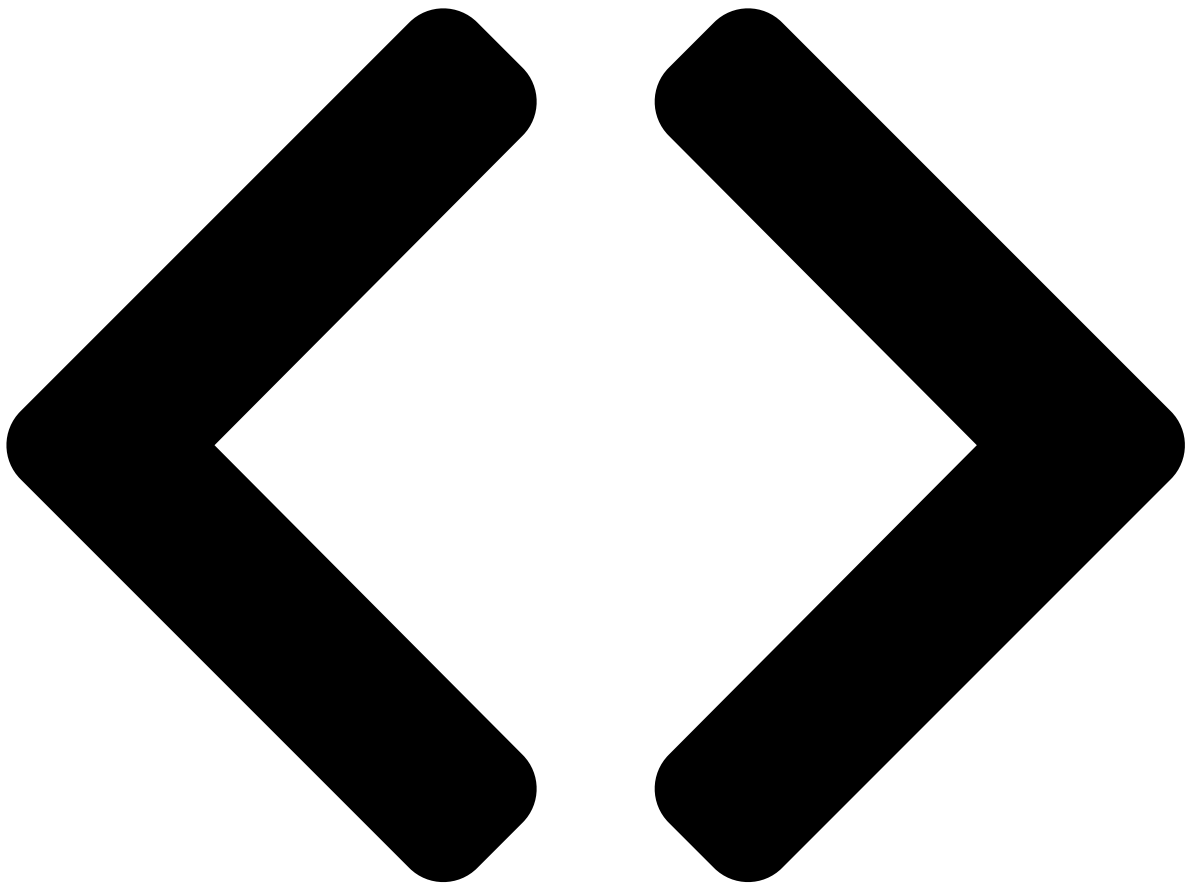
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Heating Mask Time

This refers to the shortest time that heating operations must be performed without defrosting operations being executed. ②

The mask time for this model is 25 minutes.

*

Defrosting operations will not be commenced until the defrosting mask time has elapsed, even if frost adherence has been detected. ③

Ending Defrosting

Defrosting operations are ended when the following conditions are aligned.

- Ending defrosting conditions
 - (a) When the temperature of the outdoor heat exchanger temperature sensor (C1) is 12
 - (b) When the temperature of the outdoor heat exchanger temperature sensor (C1) is 7 seconds.

°C
°C

(c) When defrosting has been initiated for 10 minutes.

9) Outdoor Unit Fan Control

(1) Cooling Mode

The appropriate rotations per minute for the outdoor unit fan are determined in accordance with the outdoor

air temperature and the frequency of the compressor inverter.

The outdoor unit fan step is controlled between a range of W1 (Step 1) and WE (Step 15).

(2) Heating Mode

The appropriate rotations per minute for the outdoor unit fan are determined in accordance with the outdoor

air temperature and the frequency of the compressor inverter.

The outdoor unit fan step is controlled between a range of W1 (Step 1) and WF (Step 16).

* However, the outdoor unit fan is halted (Step 0) when defrosting is being carried out.

10) Outdoor Unit's Electrical Expansion Valve Control

The electrical expansion valve controls the amount of refrigerant that is allowed to flow in accordance with the operation status.

The valve is adjusted in accordance with the discharge temperature (TD), the outdoor heat exchanger temperature sensor (C1), the suction temperature sensor (TS), and the indoor unit's heat exchanger temperature sensors (E1 and E2).

(1) Cooling Mode

Controlled so that the section temperature (TS) - indoor heat exchange temperature minimum (E1 and E2) is between 1

and 5 °C. There are cases where the aperture opens wider than usual if the discharge temperature increases.

(2) Heating Mode

Controlled so that the section temperature (TS) - outdoor heat exchange temperature (C1) is between 1 and 5

°C under normal conditions.

There are cases where the aperture opens wider than usual if the discharge temperature increases. and 5

°C under normal conditions.

4-6

°C or higher.

°C or higher for 60 consecutive

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