

Release Protective Control By Temperature Of Indoor Heat Exchanger - Toshiba RAS-B10SKVP-E Service Manual

Split type air conditioner

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Troubleshooting

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Bookmarks



Item

6. Release protective

<In cooling/dry operation>

control by tempera-

(Prevent-freezing control for indoor heat exchanger)

ture of indoor heat

In cooling/dry operation, the sensor of indoor heat exchanger

exchanger detects evaporation temperature and controls the compressor speed so that temperature of the heat exchanger does not exceed the specified value.

Usual cooling capacity control

7°C

6°C

5°C

Reduction of compressor speed

<In heating operation>

↑

↑

|

↑

(Prevent-overpressure control for refrigerating cycle)

In heating operation, the sensor of indoor heat exchanger detects condensation temperature and controls the compressor speed so that temperature of the heat exchanger does not exceed the specified value.

Reduction of compressor speed

56°C

52°C

48°C

Usual heating capacity control

Operation flow and applicable data, etc.

R

Q

P

P

Q

R

- 35 -

1) When temperature of the indoor heat exchanger drops below 5°C, the compressor speed is reduced. (P zone)

2) When temperature of the indoor heat exchanger rises in the range from 6°C to under 7°C, the compressor speed is kept. (Q zone)

3) When temperature of the indoor heat exchanger rises to 7°C or higher, the capacity control operation returns to the usual operation. When the value is control in cooling operation. in Q zone, the

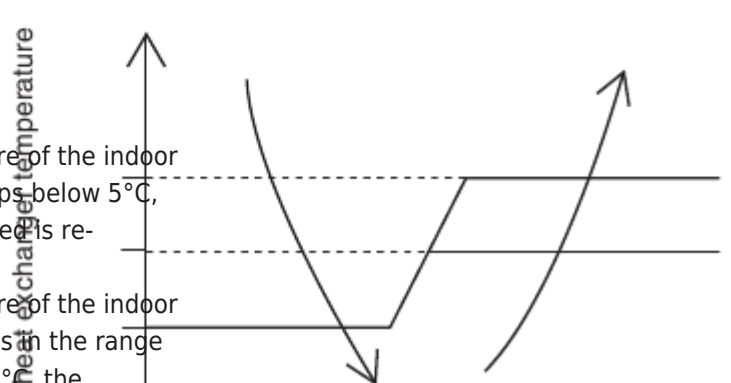
(R zone) compressor speed is kept.

1) When temperature of the indoor heat exchanger rises in the range from 52°C to 56°C, the compressor speed is kept. (Q zone)

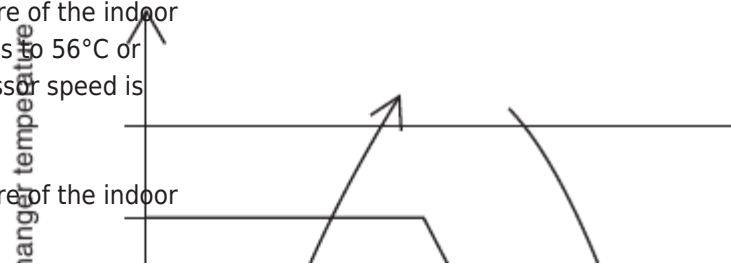
When temperature of the indoor heat exchanger drops in the range from 48°C to under 56°C, the compressor speed is kept. (Q zone)

2) When temperature of the indoor heat exchanger rises to 56°C or higher, the compressor speed is reduced. (P zone)

When the value is 3) When temperature of the indoor in Q zone, the



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compressor speed
heat exchanger does not rise to
is kept.
52°C, or when it drops below to
48°C, the capacity control
operation returns to the usual
control in heating operation.
(R zone)

Description

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