

Release Protective Control By Temperature Of Indoor Heat Exchanger - Toshiba RAS-10SAVP-E Service Manual

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Troubleshooting

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Bookmarks



Toshiba ilmalämpöpumppujen myynti, huolto ja asennus: Jäähdytinpalvelu RefGroup Oy, Vantaa

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

ature



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

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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 control in cooling operation. When the value is in Q zone, the

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)

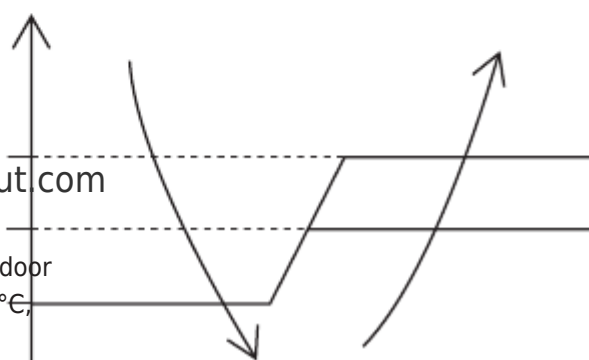
(Q zone)

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)

(Q zone)

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

indoor heat exchanger temperature
indoor heat exchanger temperature



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reduced. (P zone)
 When the value is
 3) When temperature of the indoor
 in Q zone, the
 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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