Fan failure - To be replaced with new one

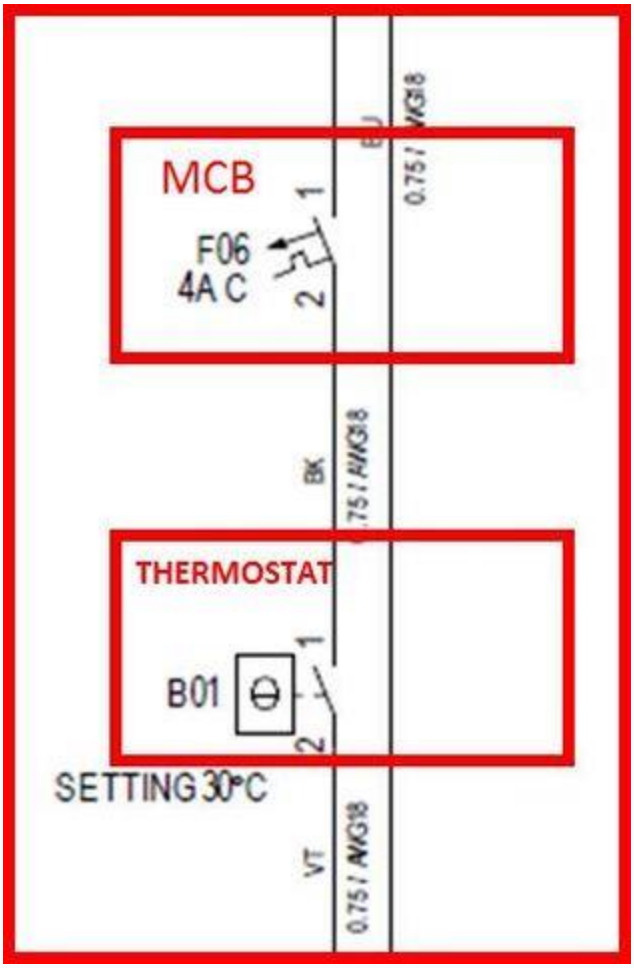
Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Item No for Fan: 60014655 - FAN 500M3/H 230V
60014631- FAN 55M3/H 24VDC
MkII & Below- 60014631 FAN 55M3/H 24VDC
MkIII & Above- 60108632 FAN 230V 55m³/h 19W 148x148x57mm 7035

On MkIII & Above, check the condition of the MCB for the fans (F06) and the Thermostat (B01):



F06 MCB: 60005136 MCB 5SX21047
4.0A C 1P

B01 Thermostat: 60009288 THERMOSTAT 600C
COOL

On MkII & below, ensure correct fan parameters in the controller.

Operate the fan from the manual test menu and measure the 24VDC fan supply at TOI relay output 801.

Replace the PT 100 sensor

Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Note the top box temperature from the controller.

Remove the PT100 leads from inputs 306-308 in the Top TOI.

Measure the resistance across the PT100 wires.
Use the PT 100 sensor per document: PT100 temp/resistance conversion chart to DMS 0039-6203 to determine the accuracy of the sensor.
If the measured value is unreal e.g. -50°c or 205°c, the sensor is faulty and should be replaced.
Part number for PT100-Pos B33: 60009279- PT100 180-4-2M Ø6x60mm

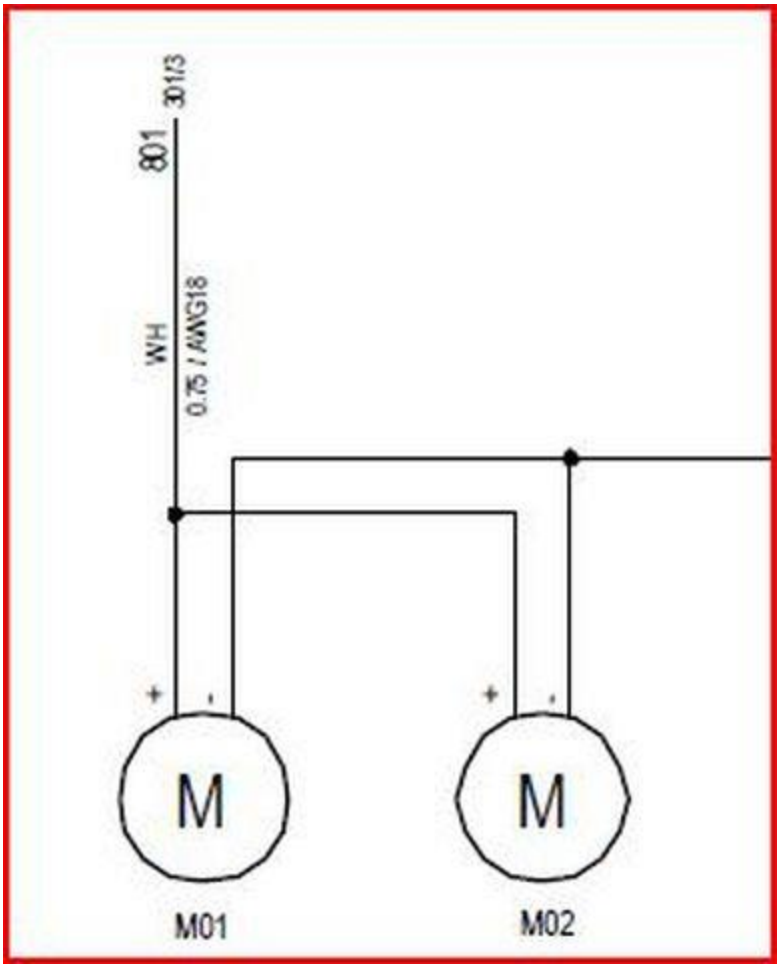
Check the connection at 301/3

Does this solve the problem?

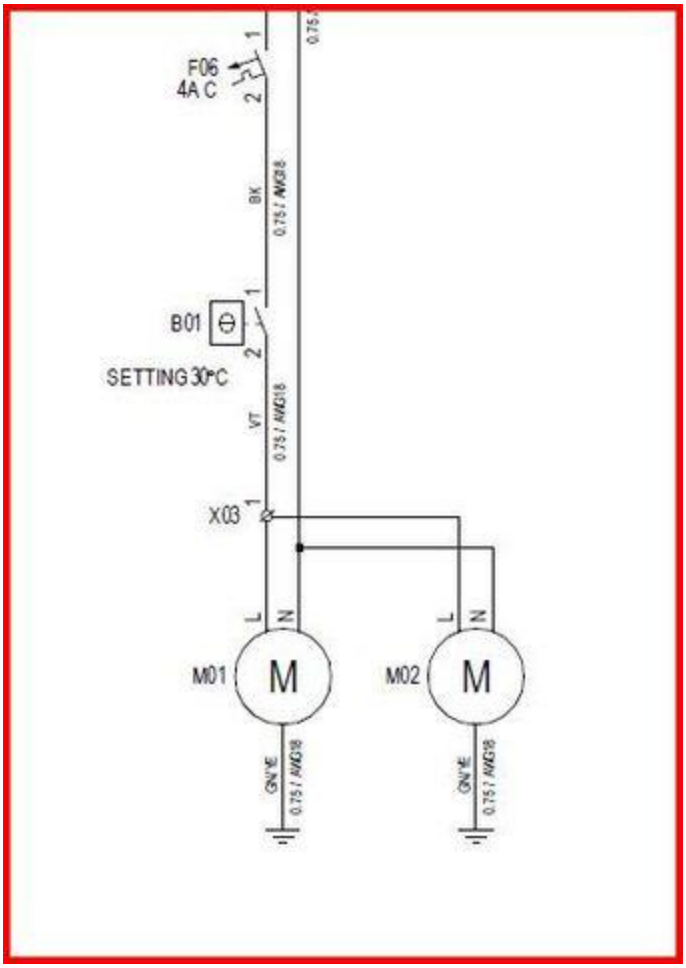
1] Yes
2] No
3] I don't know

- **Explanation**

Check that the cable terminations at the panel fans (M01 & M02) are sufficiently tightened.
MkII & below panel fans (24VDC):



MkIII & above panel fans (230 VAC):



Correct panel heater setting

Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Panel heater setting to be set per service instruction (10°c). (Panel heater settings can shift over time due to turbine operation/vibrations, a drop of thread lock or super glue on the adjustment wheel will prevent this shift in the future).

Visual inspection of filters

Does this solve the problem?

1] Yes
2] No
3] I don't know

- **Explanation**

Replace the inlet and outlet filters.

Clogged filters:

MkII & Below
60097172- FILTER PAD 3322.700 f. 55m3/h FAN
MkIII & Above
360024- RITAL COARSE FILTER SK3322.700