

## Replace the defect contactor

Does this solve the problem?

1] Yes

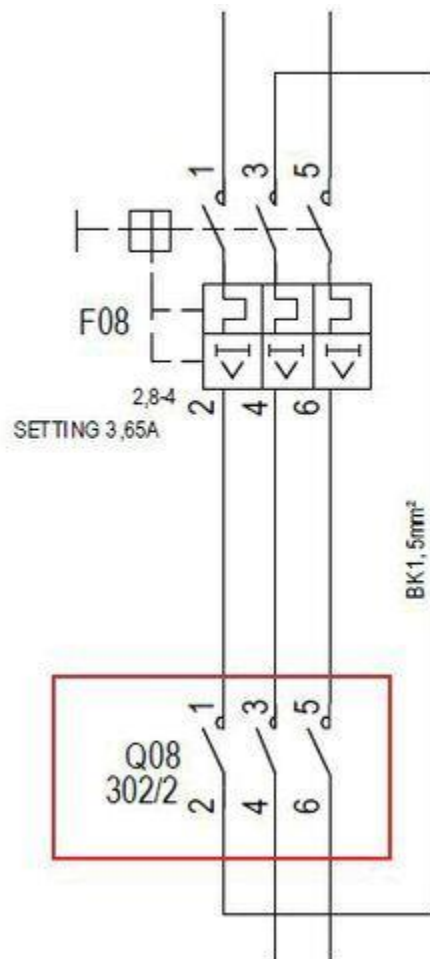
2] No

3] I don't know

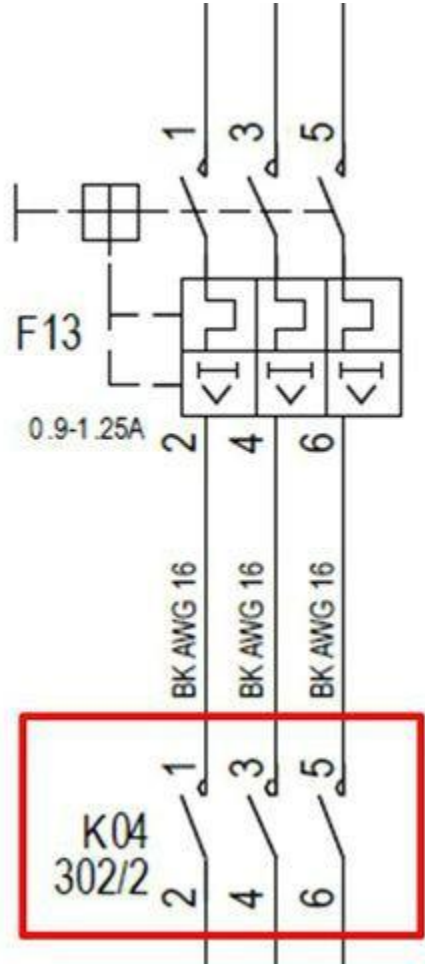
- **Explanation**  
**IN THE AT2 CABINET:**

Check the contactor function Q08/K04.

50 Hz



60 Hz





Check the INPUT/ OUTPUT voltage.

Check for loose connection at the terminations.

If defective replace the contactor (Item number -60004394)



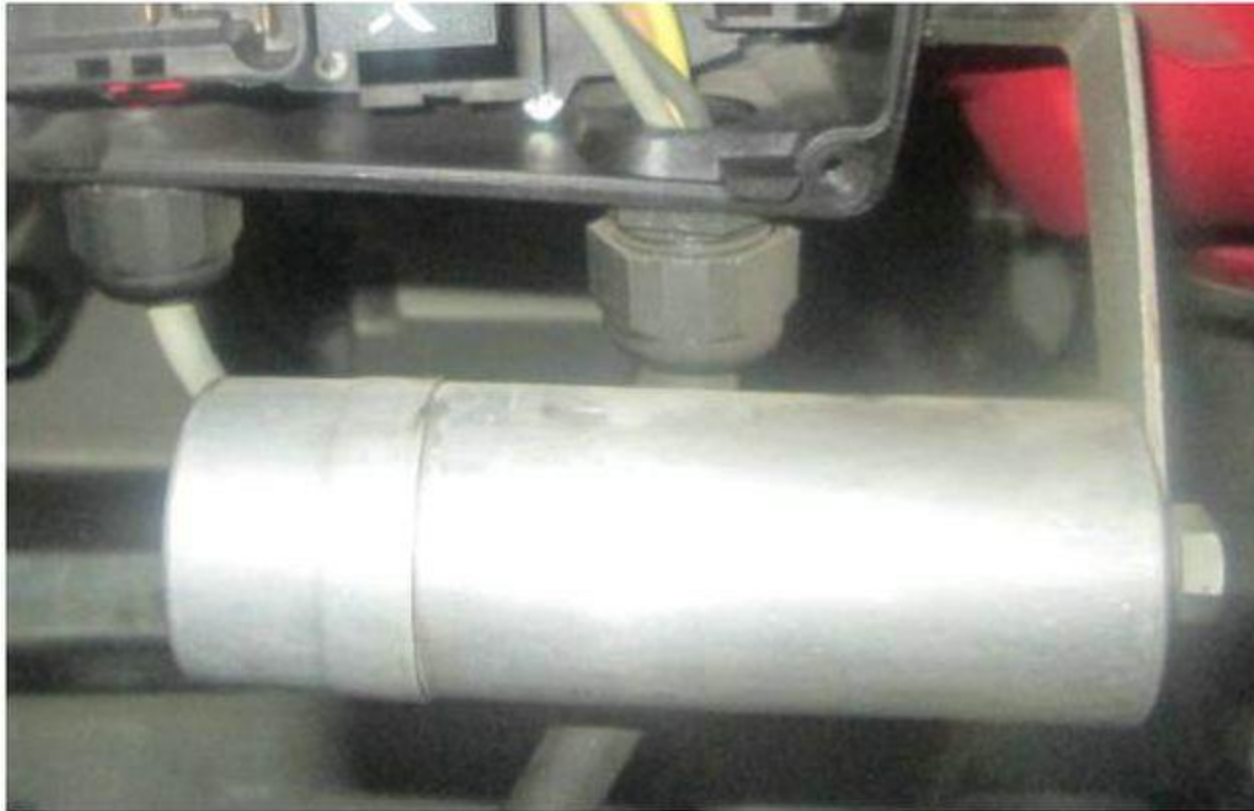
**Replace the defect capacitor (If present)**

**Does this solve the problem?**

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

- **Explanation**  
**IN THE NACELLE:**

Check the single phase capacitor condition (if present).



**Test/replace the defect motor**

**Does this solve the problem?**

1] Yes

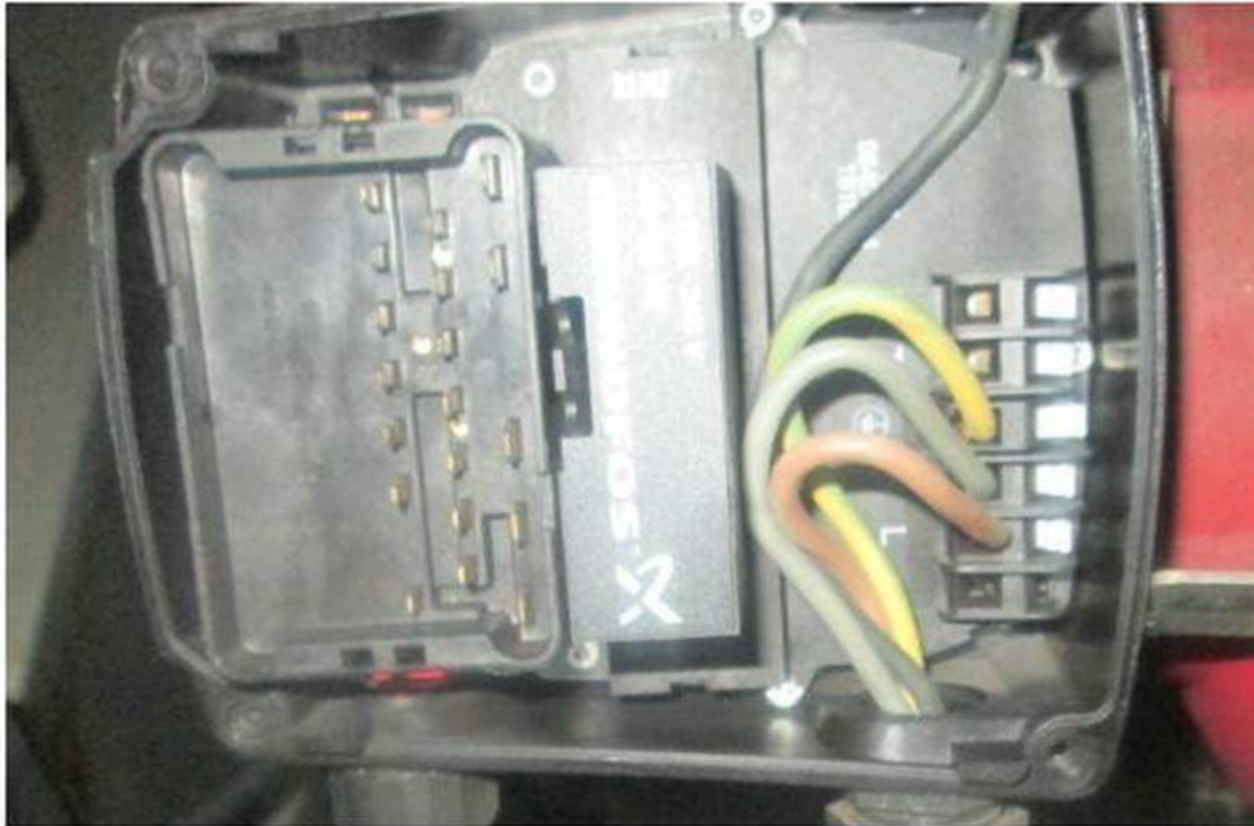
2] No

3] I don't know

- **Explanation**  
**IN THE Nacelle:**

Operate the fan and listen for faulty bearings or abnormal noise of any kind.

Check the input voltage (FAN Position Number : M06)



Operate the fan and check the lamp indication is shows as 'RED' (Defect) or 'GREEN' (Good)







If the Motor is found to be defective replace the motor.

(Item number : 60061710)

Water pump motor replacement SWI- [0023-9289](#)

### Replace the defective cable

Does this solve the problem?

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

- **Explanation**  
**IN THE Nacelle:**



+AN4 (Motor box) to motor terminal cable (W305) short circuit.

+AN1 (Top panel) to +AN4 (motor box) cable (W352) short circuit.

+AT2 (Control panel) to +AN1 (Top panel) cable (W309) short circuit.

Check all connections and continuity.

### Replace the defect MCB

#### Does this solve the problem?

1] Yes

2] No

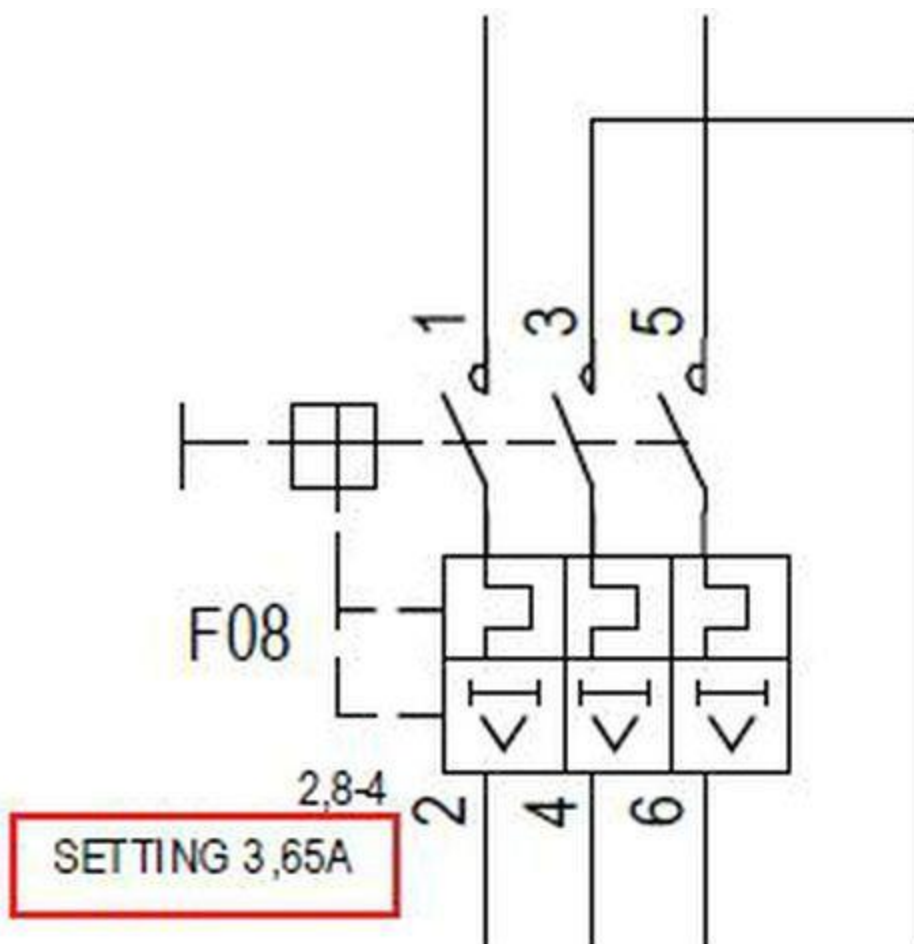
3] I don't know

- **Explanation**  
**IN THE AT2 CABINET:**

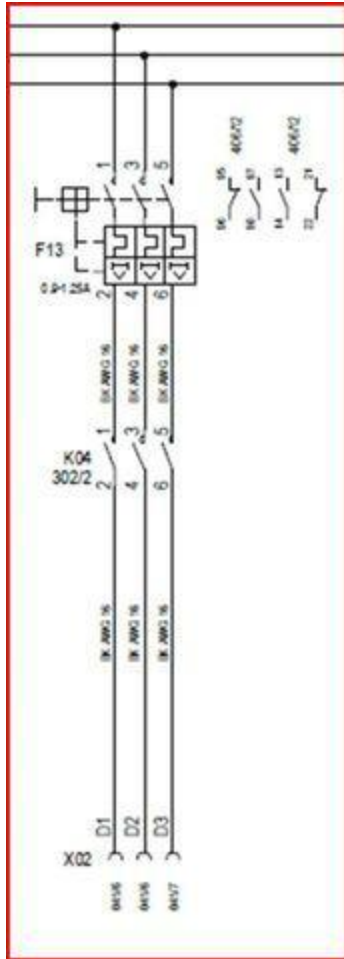
Check the INPUT/OUTPUT voltage (F08/F13) and MCB function.

Check the required current setting in the MCB (use latest turbine electrical schematics for correct current settings):

50 Hz

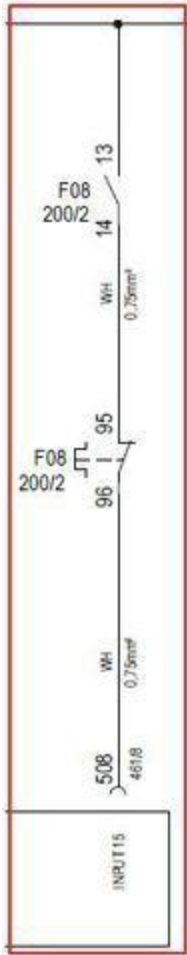


60 Hz

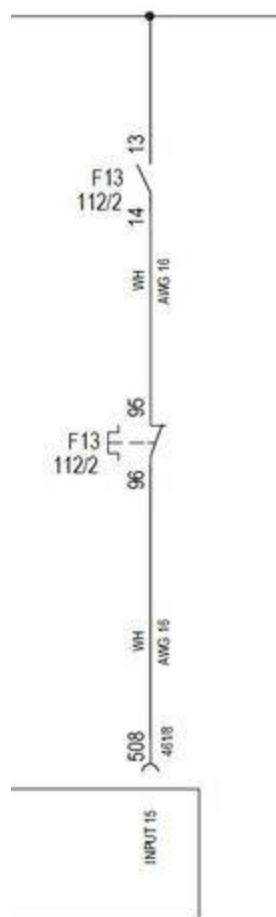


Check for loose connections at all terminals.

Check the auxiliary relay (Item number - 60004778) function input to TOI.



60 Hz



If defective replace the MCB (Item number -60004750 50 Hz / 60004745 60 Hz)







**Inspect/replace the TOI**

**Does this solve the problem?**

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

- **Explanation**  
**IN THE AT2 CABINET:**

Check the voltage at TOI output (RELAY OUTPUT 810). If voltage is not present, replace the TOI.

51701501- TOIII Interface NM1500 Tower

