

## Motor house and turbine interference CNX 6000 / CNL 3000

### 1 Introduction

It is the aim of the present technical information to explain how to solve the interference problems between motor house and turbine in the above mentioned models.

### 2 Problem explanation

It was detected that one of the motor suppliers has been supplying motors with a plastic cover for protection of the thermal cut out. This protection does not allow a proper placement of the electric motor in the plastic motor base, so that the motor axis is not perpendicular to the plastic motor base. It makes the turbine to get out of its normal position interfering with motor house.

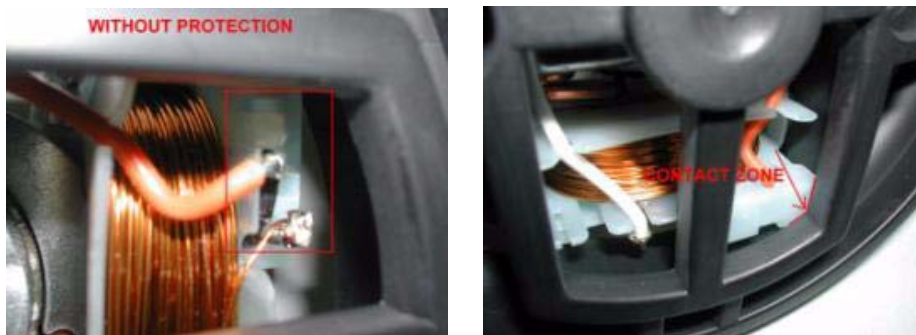


Figure 1: Thermal cut out with and without plastic protection

### 3 Solution

Remove the hood from the kitchen furniture. Remove the motor plate cover.



Figure 2: Hood motor

Remove motor base as indicated in the figure below:

1. Unscrew locking position screw.
2. Remove terminal block cover and motor wires.



Figure 3: Release motor wires



Please see wiring diagram to make sure you are connecting the motor wires back in its right position!

3. Turn the motor base to release it from the motor house.



Figure 4: Remove motor base

4. Remove the motor out of the motor casing and place it in a table.



Figure 5: Hood motor

5. Remove the motor base so that you can access the plastic cover of the thermal cut out.



*Figure 6: Remove the motor base*

6. Finally, remove the thermal cut out plastic cover manually.



*Figure 7: Remove plastic cover*

7. Place the motor base back and make sure the turbine is not interfering with the motor base or the motor house.



*Figure 8: Make sure there is not turbine vs motor base interference before placing it back.*