

MI_2304: Fan motor SelfCookingCenter XS & iCombi 6-2/3 – removal and installation

 SelfCookingCenter XS & iCombi 6-2/3

 90 min.

 Standard, torque wrench

 31/03/2023

Topics

This information describes the removal and installation of the fan motors for SelfCookingCenter XS & iCombi 6-2/3.

Affected product/accessories

- SelfCookingCenter
- XS Index I
- iCombi
- 6-2/3 Index J

Required tool

- Standard
- Torque wrench

Required components

Component	Article number
Fan motor	87.01.973S
Fan motor	87.01.974S

General information

NOTICE

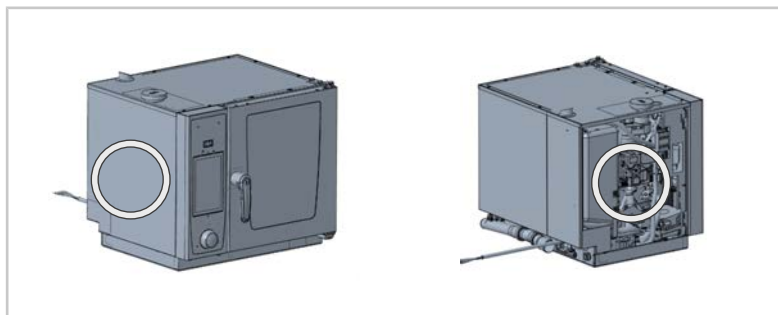
Enter the installation of the component on the service level ("Component replacement" tab). This is an integral part of the maintenance history.

Target group

- This document is intended for skilled technicians, who have been certified by the manufacturer after attending training and safety instructions.
- Installation, inspection, maintenance, and repair work must only be carried out by trained technicians.
- It is recommended that only technicians authorised by the manufacturer perform inspection, maintenance and repair work.

- The unit may not be used, cleaned, or maintained by children. The unit may not be used for play. This is prohibited even under supervision.
- The unit may not be used, cleaned, or maintained by people with limited physical, sensory, or mental capacity or those without the necessary experience or knowledge, unless such people are supervised by a person who is responsible for their safety and who has been informed of the hazards of the unit.
- In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Installation position



Safety instructions

DANGER

High voltages when connecting to the mains power

Danger to life due to high voltage.

- Disconnect from the power supply.
- Make sure the unit is disconnected from the power.

CAUTION

Risk of crushing when positioning the unit

Fingers, hands and feet could be crushed beneath the unit.

- Wear appropriate protective clothing when positioning the unit.
- Only lift the unit at the intended lifting points.

CAUTION

Sharp edges on the housing

Risk of cuts on the housing when working in the unit.

Wear protective gloves.

⚠ CAUTION**High risk of personal injury and material damage**

The following modification process is very demanding. There is a high risk of personal injury and material damage.

- Wear safety clothing and equipment.

NOTICE**Observe regional and country-specific safety and testing regulations**

The relevant regional, country-specific safety and testing regulations apply to all work on RATIONAL units. These regulations may vary by region and are country-specific and are therefore not listed separately in this document. The technician is responsible for complying with these regulations.

Work steps – Fan motor removal for SelfCookingCenter XS & iCombi 6-2/3

- ✓ The unit is disconnected from the power.
 - ✓ The left side panel has been removed.
 - ✓ The steam generator has been emptied.
1. Remove the hinging rack and the air baffle.

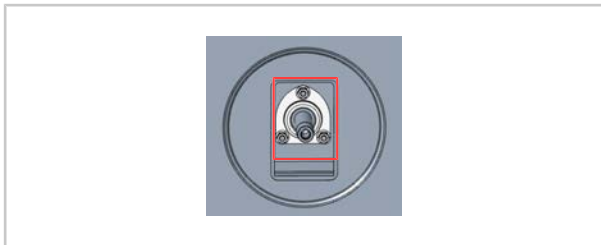


2. Remove the fan wheel screw.
NOTE: Wear protective gloves.
3. Screw in the puller screw.
4. Pull off the fan wheel with the puller.
NOTE: Use hearing protection.



5. Remove the motor shaft seal.

NOTE: Then secure the counter flange from the inside with a nut.



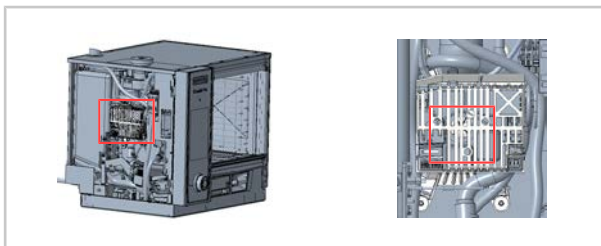
6. Remove all connections on the fan motor. Place it on its side.

7. Loosen the screws of the motor electrical unit.

8. Carefully remove the motor electrical unit.

NOTE: Watch out for the thermal sensor when removing the motor electrical unit.

The thermal sensor is located behind the motor.



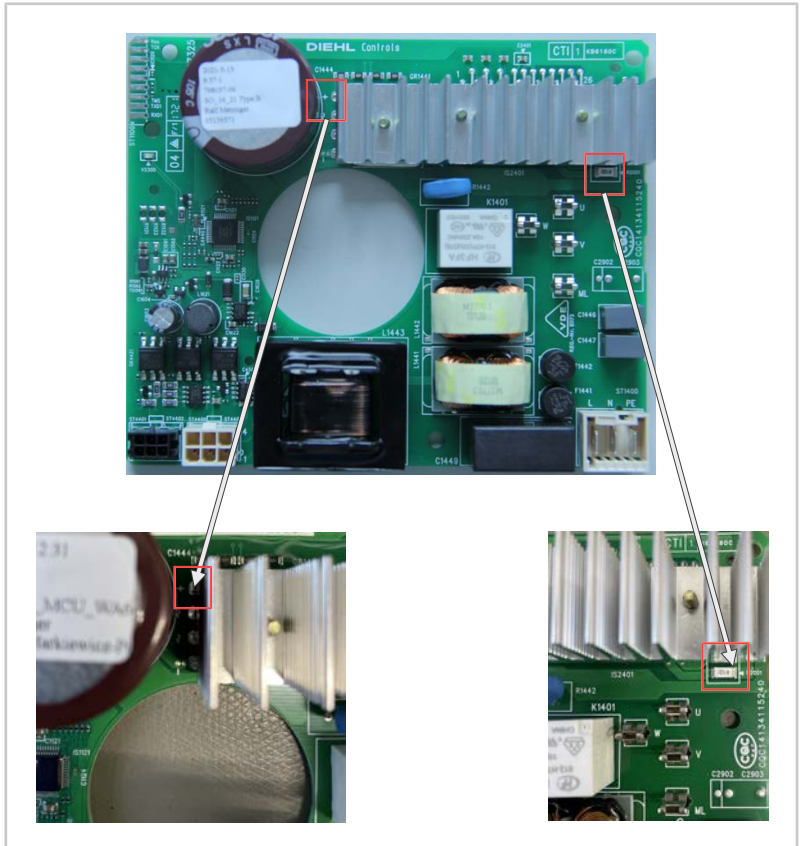
9. Check that there is no voltage on the fan motor PCB (DC).



High voltages on components

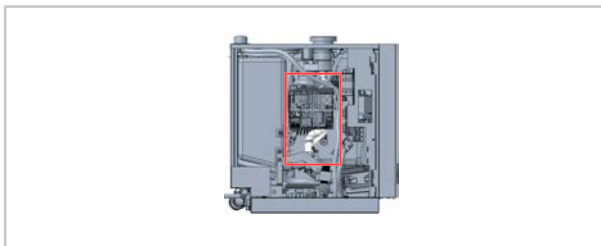
Danger due to high voltage.

- In the event of a component fault, there may still be a voltage on the capacitor.
- Check for absence of voltage.

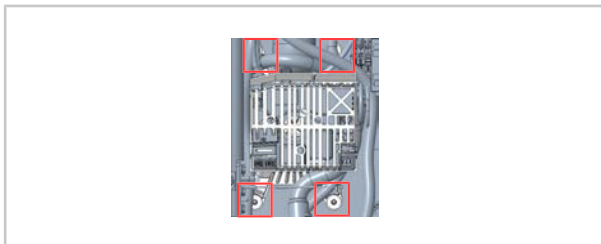


10. Remove the ventilation hose set.

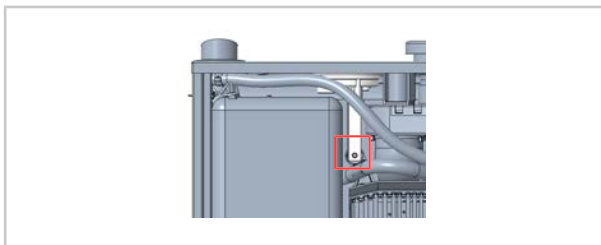
11. Remove the drain hose on the steam generator.



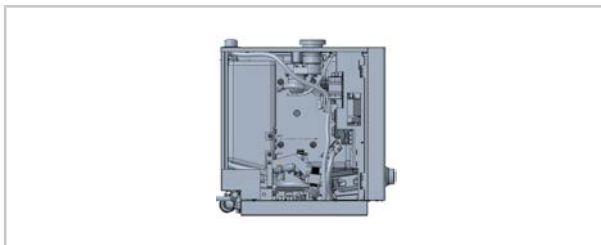
12. Remove the 4 nuts on the fan motor.



13. Remove the pressure sensor along with the holder.
NOTE: Carefully set the pressure sensor aside and protect it from damage.



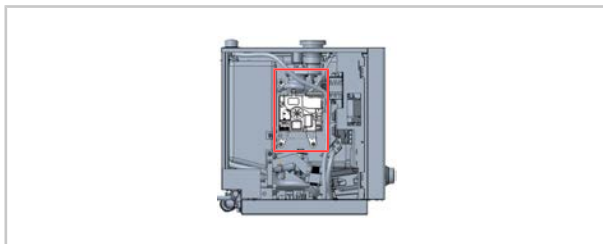
14. Remove the fan motor from the unit electronic compartment.



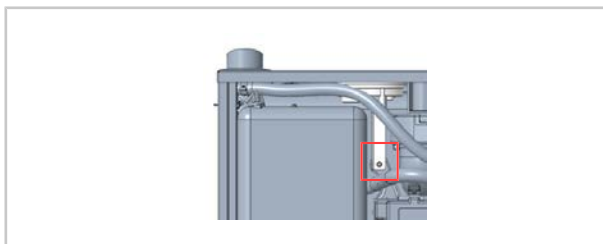
> The removal is complete.

Work steps – Fan motor installation for SelfCookingCenter XS & iCombi 6-2/3

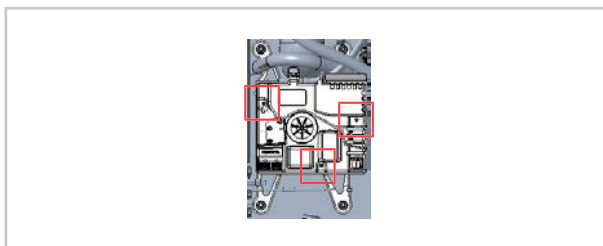
1. Remove the motor electrical unit from the new fan motor.
NOTE: This step is to protect the new PCB.
2. Install the new fan motor.
3. Install the 4 nuts on the fan motor.
NOTE: Ensure that no cables or hoses are pinched.



4. Install the pressure sensor holder (fan motor – nut – holder – nut).
5. Install the pressure sensor.

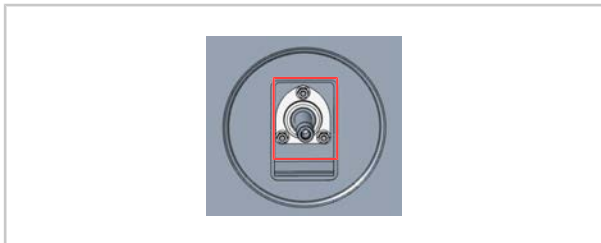


6. Install the new motor electrical unit.



7. Connect all plugs and insert the thermal sensor.

8. Install the motor shaft seal.



9. Install the fan wheel.



10. Install the hinging rack and the air baffle.



- > The installation is complete

