

Recycling of ventilation units



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Required tools:

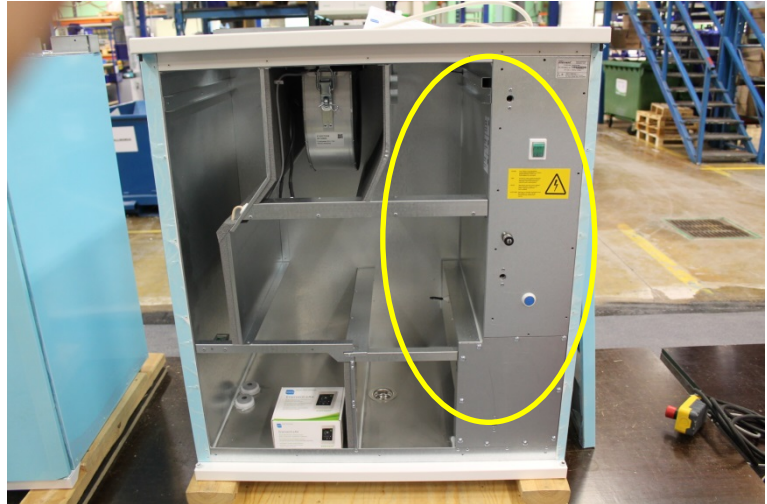
Torx wrenches of various sizes
Crosshead and flat-head screwdrivers
Open-end wrenches of various sizes / an adjustable
wrench
An Allen key set
Drilling machine and bits

2 ELECTRICAL CABINET

The devices are equipped with similar electrical cabinets. In these instructions, images of the LTR-3 and Pandion devices are used as examples.

Detach the control panel of the device from the wall or device. The control panel must be delivered for Waste Electrical and Electronic Equipment (WEEE) recycling.

Remove the doors/hatch from the device. The doors must be delivered for metal waste recycling.



Remove the heat exchanger from the device.

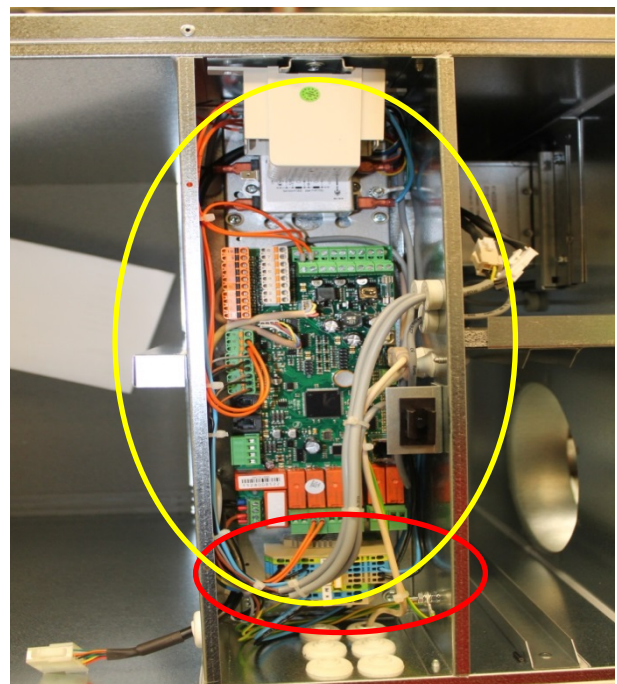
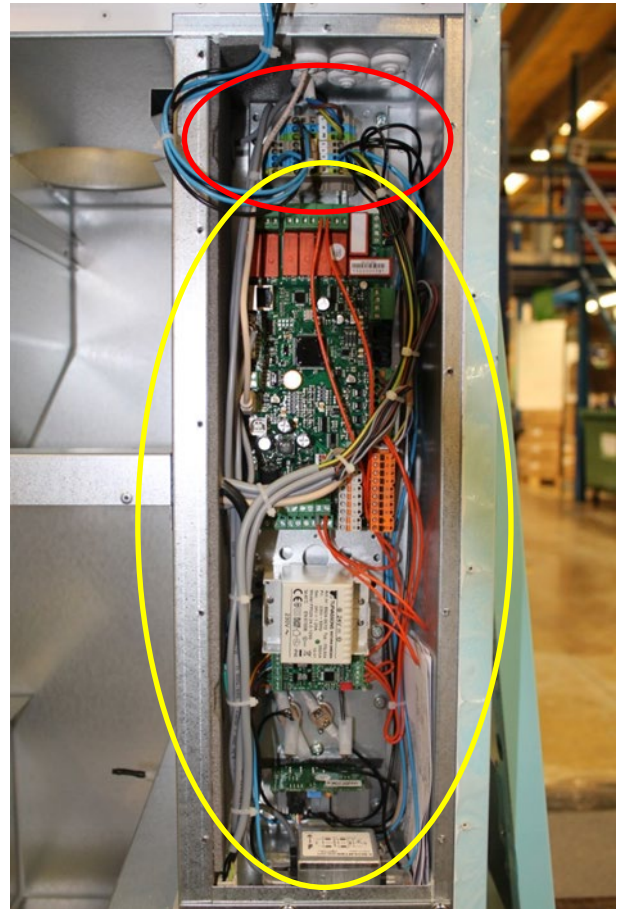
Open the electrical cabinet, using a crosshead/flat-head screwdriver.



Detach all wires from the mother board. You can leave the terminal strips marked in red in the device.

The position of the connectors depends on the device. The mother board and other components must be delivered for WEEE recycling.

You can leave the wires in the device.



3 HEAT EXCHANGER

Various types of heat exchangers can be found in our devices.

The technique used when removing the motor depends on the type of the heat exchanger.

Begin by opening the cover of the heat exchanger (six screws), using a crosshead screwdriver. The cover is sealed with putty. You can open the cover with the help of a flat-head screwdriver.

Remove the green belt from the top of the belt pulley.

Detach the wires from the terminal strip.

Detach the heat exchanger motor from the frame, using a crosshead screwdriver. There are two screws on either side of the heat exchanger.

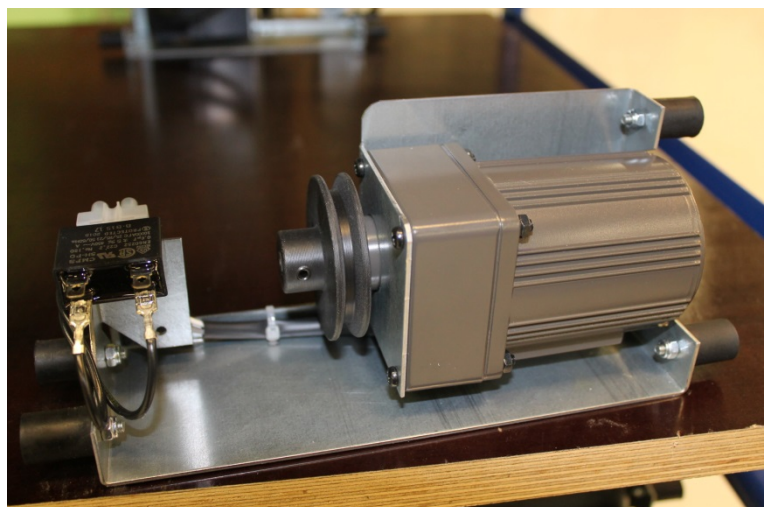
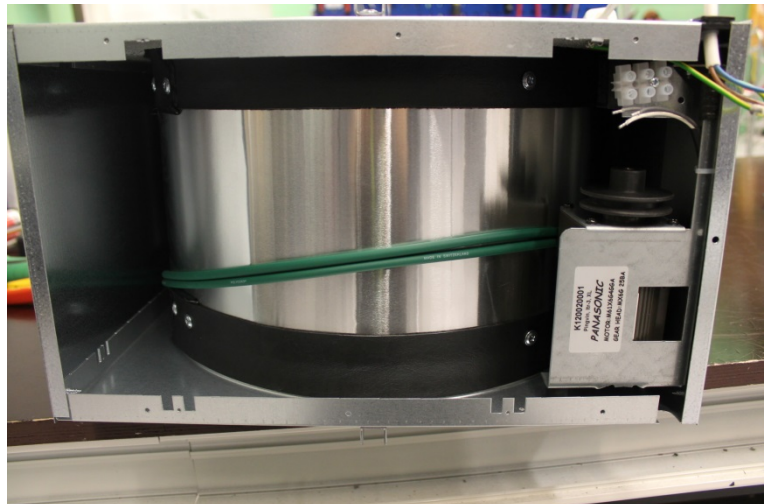
Next, remove the belt pulley from the motor with an Allen key.

Detach the motor from the support plate, using a screwdriver and an open-end wrench.

The electronic components of the motor and gearbox (brown parts) must be delivered for WEEE recycling.

Remove the seal from the middle of the heat exchanger. The seals can be delivered for energy waste recycling.

Detach the heat exchanger support bar by opening the screws (2 pcs.) and, in the middle, the Allen screw. Pull out the heat exchanger made of aluminum.



Recycle it with other aluminum waste.

The belt of the heat exchanger must be delivered for energy waste recycling.

Large heat exchangers:

Some large heat exchangers are equipped with a Mikromax 180 adjusting device. Open the two crosshead screws of Mikromax and detach all the wires inside Mikromax. Then remove Mikromax from the heat exchanger (two crosshead screws).

The Mikromax 180 device must be delivered for WEEE recycling.

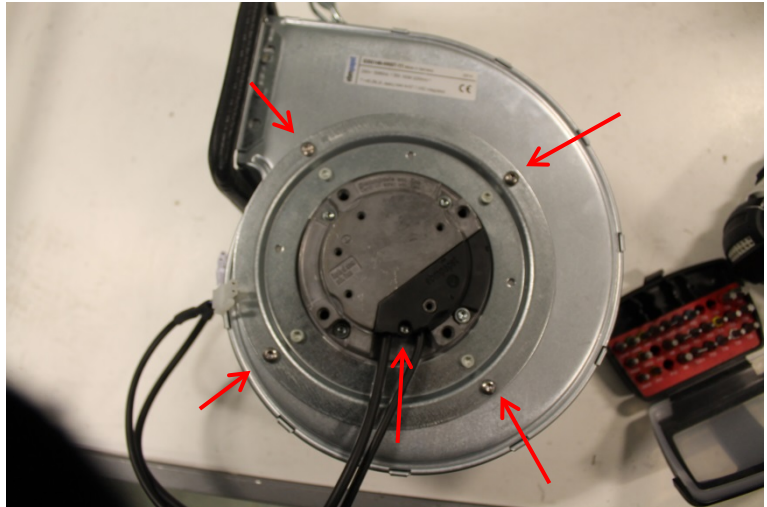
The frame parts of the heat exchanger must be delivered for metal waste recycling.



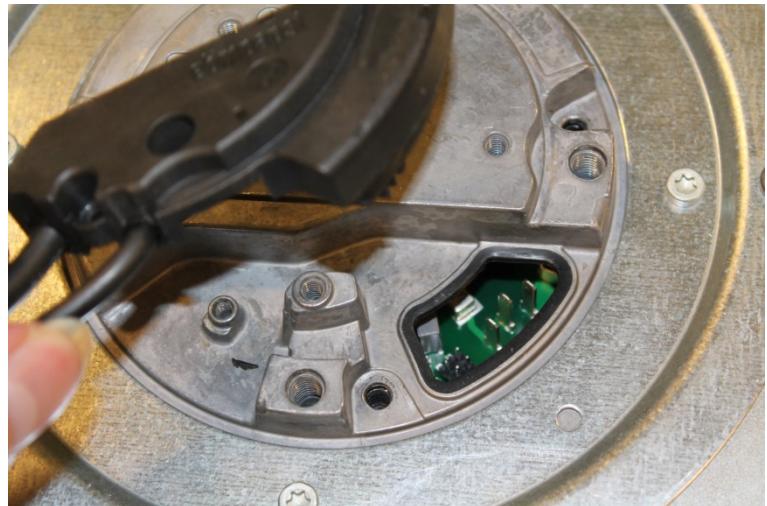
4 FANS

Most fans are disassembled using a similar technique.

You will need torx wrenches of various sizes to complete the work. After detaching the fans from the device, remove the screws indicated in the image.



Remove the black connector holding the wires. The connector must be delivered for energy waste or metal waste recycling.



Lift the fan out of the chamber.

Remove the seal from the fan and deliver it for energy waste recycling.

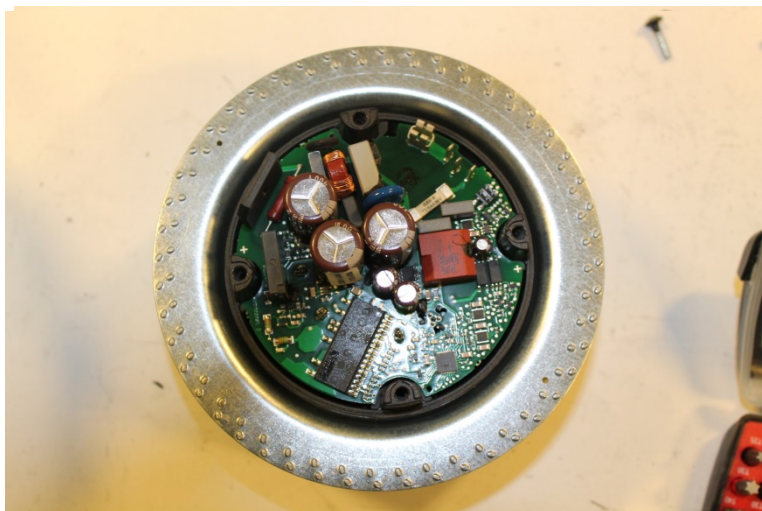


Lift the plate/circuit board off.

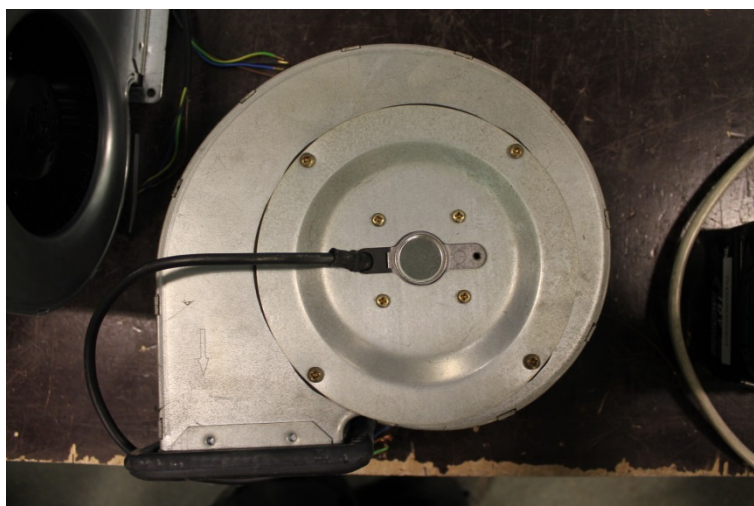
Remove the circuit board. The circuit board must be delivered for WEEE recycling.

Other fan components are metal waste.

The alternating-current fans can be delivered for metal waste recycling without disassembling them. The alternating-current fans can be identified on the condenser which is located in either the electrical cabinet or the fan. The condenser must be delivered for WEEE recycling.



The disassembly method for the fan of the Pallas device is different. Remove the fan cover and detach the wires. Dismantle the fan until you locate the circuit board. Deliver the circuit board for WEEE recycling. Other fan components are metal waste.



5 ELECTRIC COIL

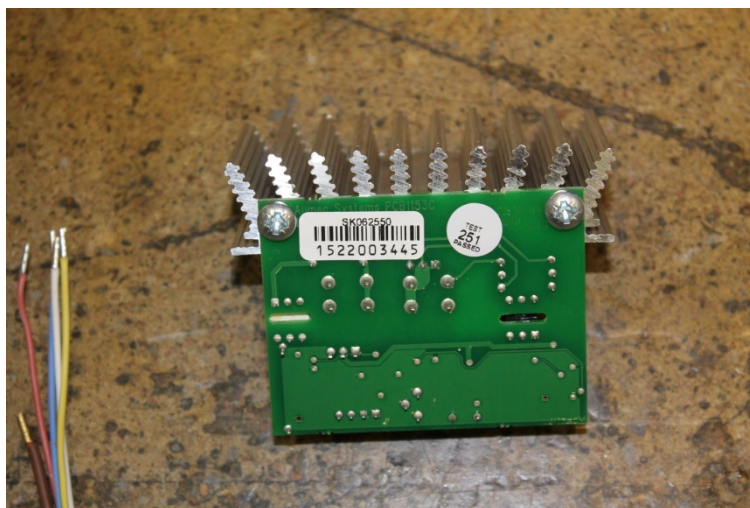
The electric coil of the Plaza, Piccolo, Pingvin, LTR-2 and LTR-3 EDE/eAir E devices can be opened, using a crosshead screwdriver, without detaching the coil from the device. Remove the cover plate.

Detach all wires from the circuit board. Remove the cooling rib of the circuit board by opening the two crosshead screws.

The circuit board must be delivered for WEEE recycling.

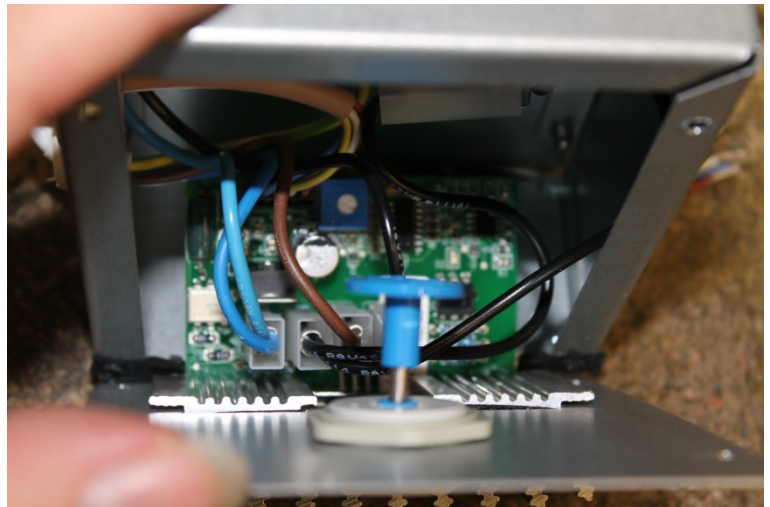
Other coil components must be delivered for metal waste recycling.

The coils used in other models can be left uninstalled and delivered for metal waste recycling with the device.



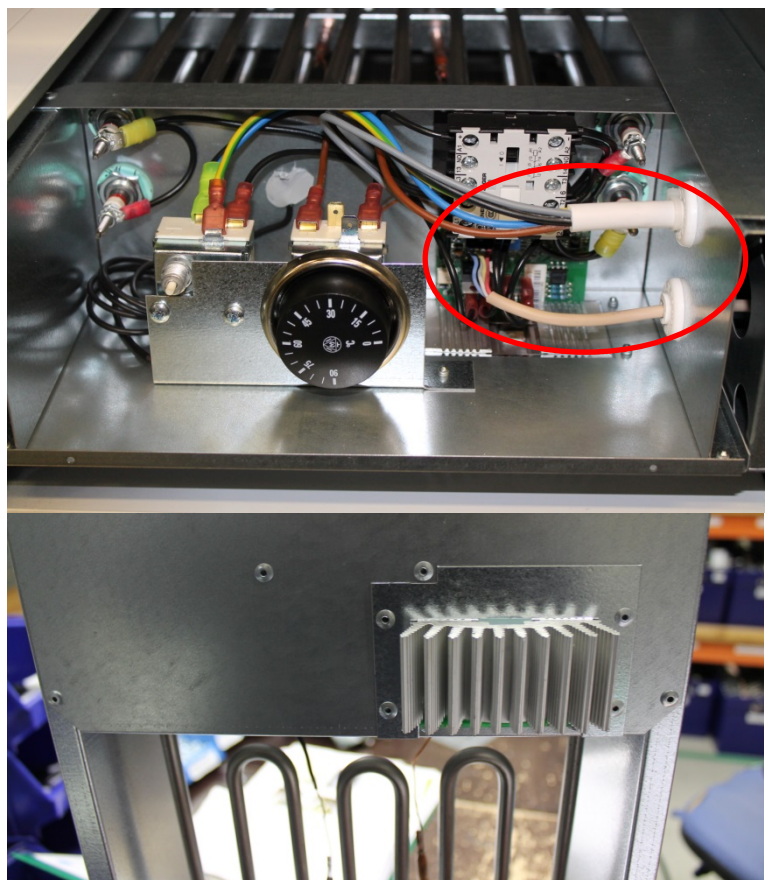
The electric coil of the Pandion, Pelican and Pegasos devices must be removed from the unit first. Next, open the four screws in the cover, using a flat-head screwdriver or an open-end wrench. Pull the cover off. Detach all wires from the circuit board.

Only the coils of the eAir E/EDE models must be dismantled. Coils in other models can be delivered for metal waste recycling with the device.



Drill the rivets off in order to remove the circuit board. Remove the cooling rib of the circuit board and deliver the board for WEEE recycling.

Other coil components must be delivered for metal waste recycling.



For the electric coil of the Pallas device, the components inside the red circle must be delivered for WEEE recycling. Other components can be delivered for metal waste recycling.



6 FRAME

Frames of all devices must be delivered for metal waste recycling after removing the fans, coils, heat exchanger and electronic components of the electrical cabinet.