Electrolux Distriparts

SERVICE MANUAL
REFRIGERATION

Spares Operations Italy
Corso Lino Zanussi, 30
I - 33080 PORCIA / PN (ITALY)

Fax +39 0434 394096

Publication no.
599 38 95-79
070611
ITZ/SERVICE/AA

DAC3

Contents

1. Introduction

The DAC (Dynamic Air Cooling) is a cooling system in which air is circulated by a fan inside the refrigerator compartment. This system distributes uniformly the temperature in every part of the refrigerator. The temperature quickly returns to this level after the door has been opened.

The new DAC is referred to as **DAC3** so that it is distinguished from the first version.

The DAC3 has two functions:

- Forced ventilation inside the cooler compartment
- Illumination of the cooler compartment

There are two versions of DAC3:

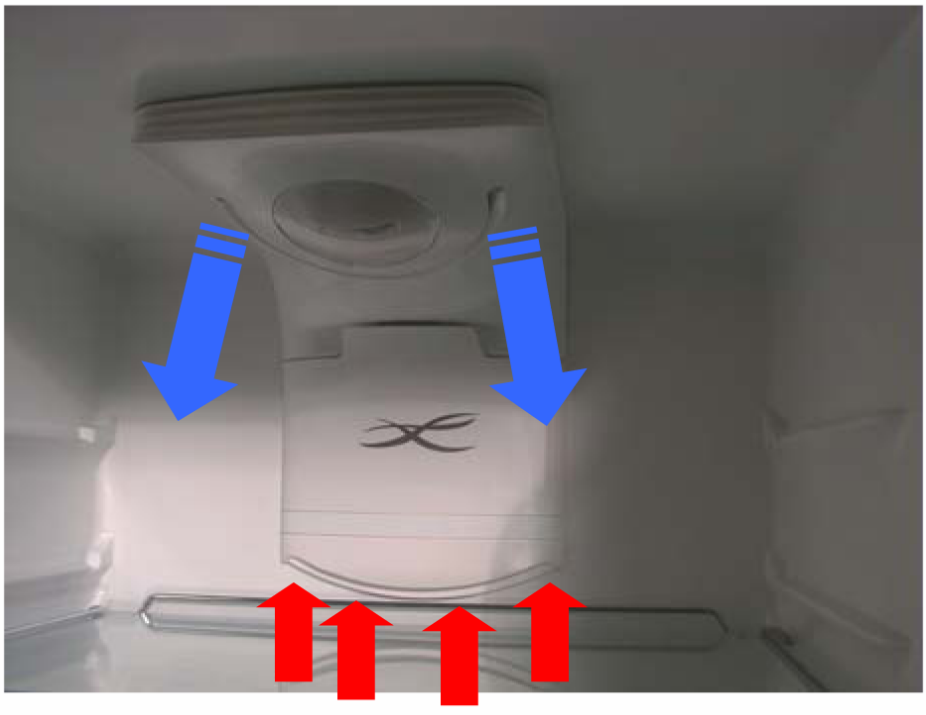
- Without ON/OFF switch (because it is controlled by the power board)
- With ON/OFF switch (because it is controlled by the user)

The switching on of the DAC3 without ON/OFF switch occurs if the following 2 conditions are satisfied:

- If the SHOPPING rapid cooling function is activated
- If a room temperature higher than +31 °C is detected

It is advisable to switch on the DAC3 with ON/OFF switch when the room temperature is higher than 25 °C.

The DAC3 system is located in the upper section of the refrigerator. The air enters from the rear side along the refrigerator bottom and exits from the front side, as shown in the figure below:



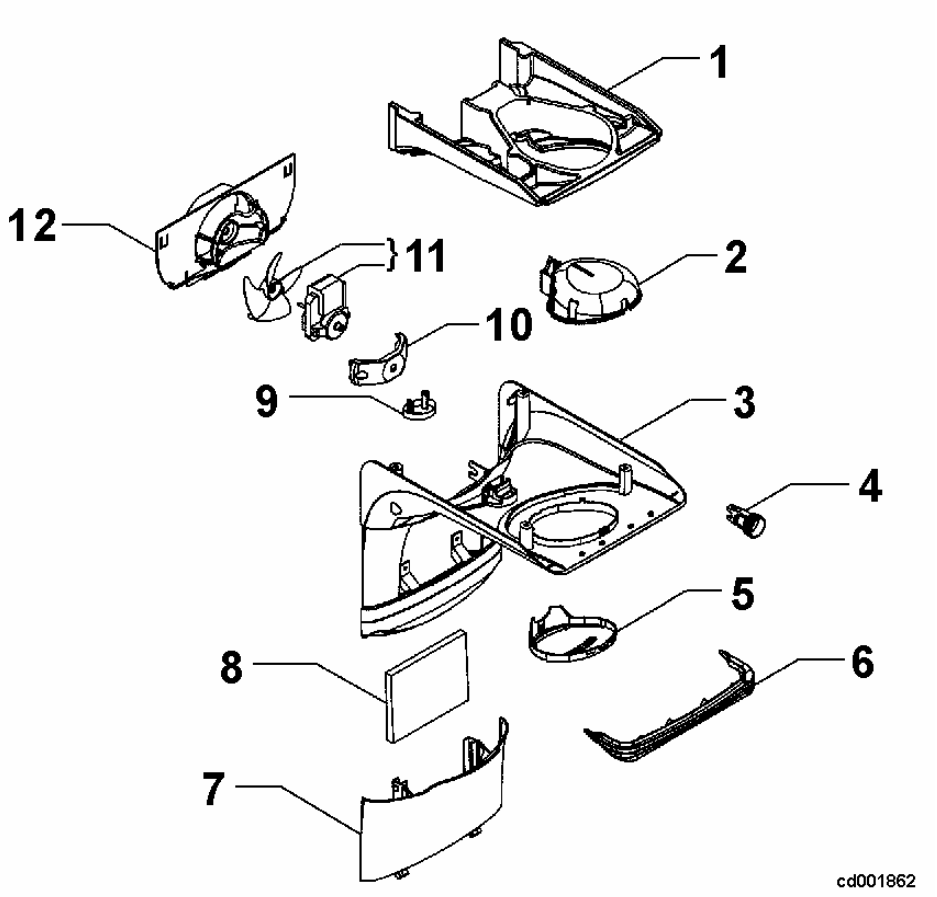
cd001861

2. Components

2.1. Assembly view

2.1.1. Con interruttore di ON/OFF

Please find below the descriptions of the components of DAC3 with ON/OFF switch:

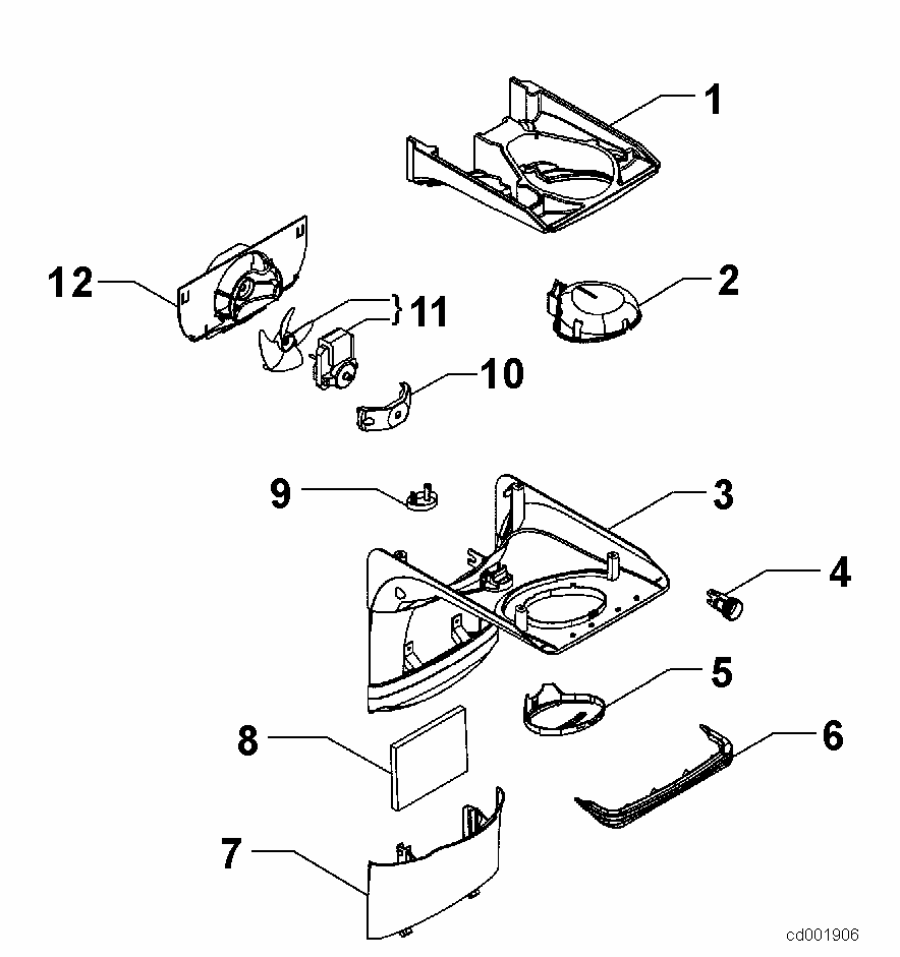


Key:

1. upper insulation
2. lamp housing
3. diffuser body
4. lamp holder
5. lamp cover
6. front diffuser
7. filter cover
8. air filter
9. button
10. diffuser cover
11. fan bracket
12. fan
13. fan support

2.1.2. Without ON/OFF switch

Please find below the descriptions of the components of DAC3 without ON/OFF switch:



Key:

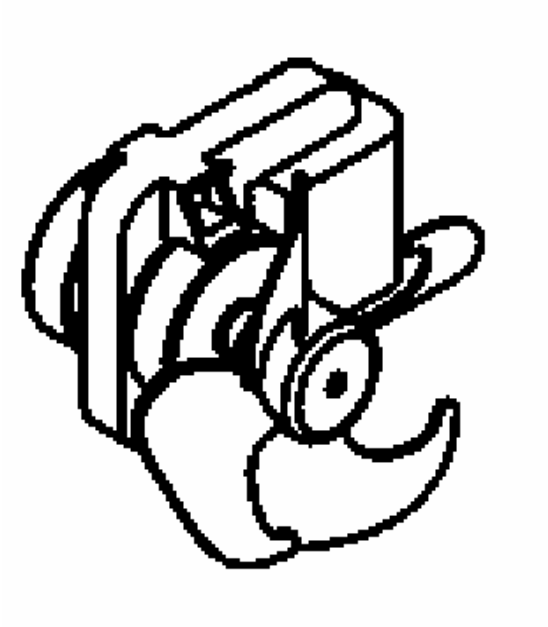
1. upper insulation
2. lamp housing
3. diffuser body
4. lamp holder
5. lamp cover
6. front diffuser
7. filter cover
8. air filter
9. diffuser cover
10. fan bracket
11. fan
12. fan support

2.2. Fan

The fan is supplied with the Ø90 mm. axial fan.

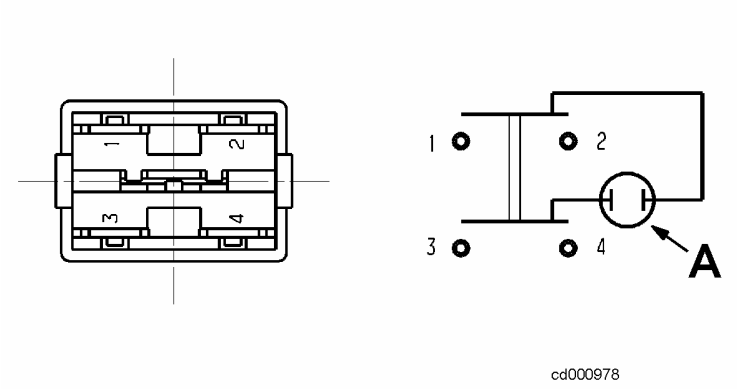
The fan has the following characteristics:

- voltage 220/240 V ~ 50/60 Hz
- power 2.9 W (tolerance of ±1 W)
- speed 1550 rpm (tolerance of ±150 rpm)



2.3. Luminous two-pole switch (only for the specific version)

Please find below the view of the contacts and the wiring diagram of the luminous two-pole switch:



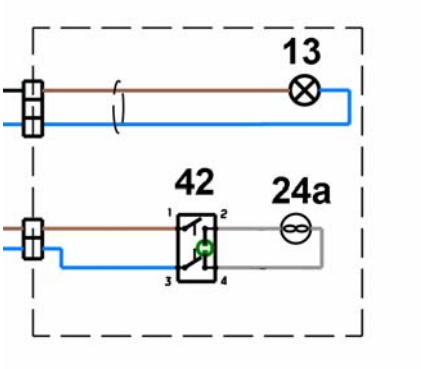
Particular A
Neon lamp

Warning:
The contacts **1-3** refer to the power supply, while the contacts **2-4** refer to the load (fan).

2.3. Wiring diagram

2.4.1. With ON/OFF switch

Find below the wiring diagram:

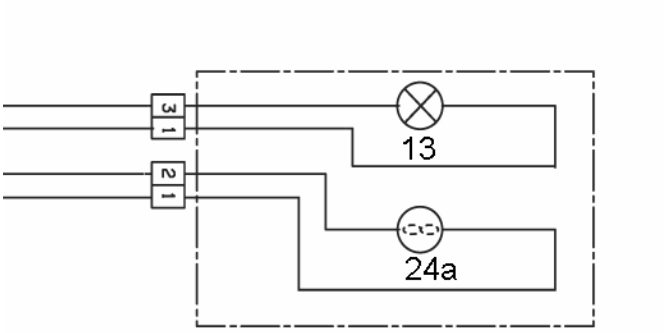


Key:

13 = Lamp
24a = Fan
42 = Fan switch

2.4.2. Without ON/OFF switch

Find below the wiring diagram:

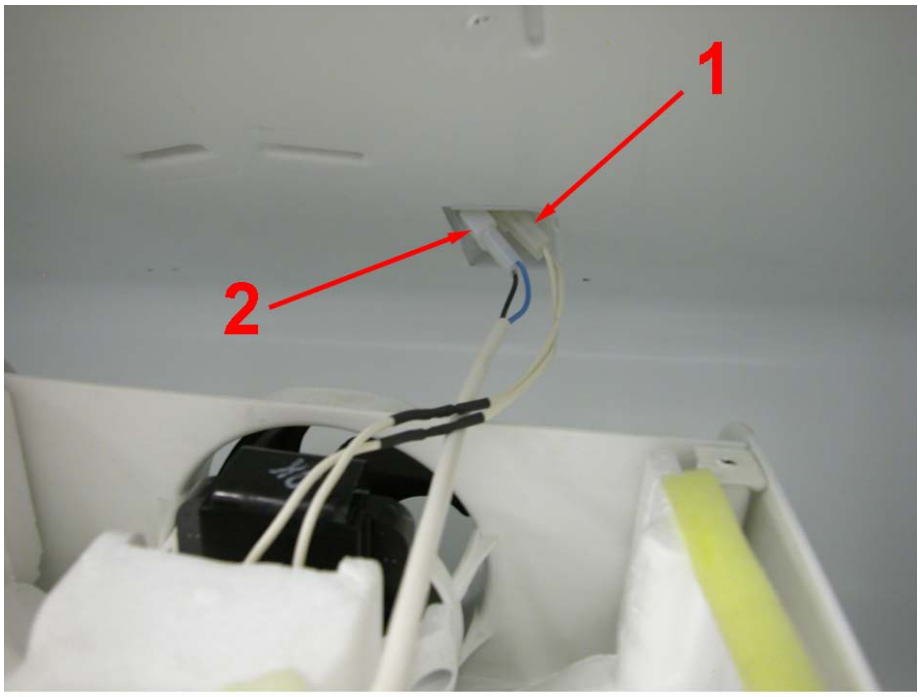


Key:

13 = Lamp
24a = Fan

The DAC3 is connected to the electric wiring by means of 2 connectors:

1. connector for fan/luminous two-pole switch (from power board)
2. connector for illumination lamp (from refrigerator door switch)



3. Accessibility

WARNING: Detach the plug before operating.

The DAC3 is fitted to the upper section of the refrigerator by 4 screws that must be removed to access to the internal components.

a) 2 screws in the front part

b) 2 screws in the rear part

c) detach the 2 electric connectors

d) it is possible to access to the internal parts of the DAC3

To remount the components carry out the same operations in reverse order.