

OPERATING AND MAINTENANCE INSTRUCTIONS FOR COOKER HOOD DS-600 AC

COOKER HOOD

DS-600 AC cooker hood is used as a general extraction valve in the kitchen and its controls can control (supply) and exhaust fans effect. In a dwelling-specific ventilation system, the resident itself adjusts the the air change as needed.

According to regulations, ventilation must be constant operation. Soiled and moist air is removed and replaced with clean, healthy outdoor air, thus avoiding moisture damage.

Ventilation must be able to be adjusted appropriately and suitable operating positions can be found according to experience. When you come from outside to inside you have the feel that indoor air is clean and fresh.





Intake air supply must always be ensured..

The hood DS-600 AC is equipped with;

- rubber sealed channel connection d 125 mm
- transformer controller (350 W) for ventilation
- working light LED 2 x 4 W
- metallic grease filter
- 60 min timer in the closing damper




FRONT PANEL BUTTONS

-  WORKING LIGHT SWITCH
-  CLOSING DAMPER SWITCH
 - timer 60 min
 - signal light when closing damper is open
-  FAN SPEED CONTROL
 - more efficient
- OOOO signal lights for fan speeds
-  FAN SPEED CONTROL
 - lower

SIGNAL LIGHTS FOR FAN SPEEDS

- no light THE FANS ARE STANDING
 - not in use if the minimum speed function is programmed
- O (1) OUT OF HOUSE USE
 - avoiding moisture damage
- OO (2) NORMAL OPERATING POSITIONS
- OOO (3) - continuous air condition operation ;
at least 0,5 times per hour
- OOOO (4) BOOSTED USE
 - during efficiency positions ;
e.g. for saunas, cooking, peoples

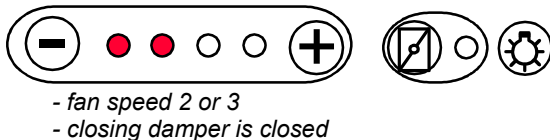
USE OF THE COOKER HOODS CLOSING DAMPER

-  - Pressing the damper switch the closing damper opens, the indicator lights up and the timer keeps the damper open 60 min.
- The damper can also be closed by pressing the switch again
- When the damper is open, the fan speed may also be changed more efficiently, the fan speed will return to the basic change when the damper closes and the enhanced ventilation remains in memory for the next use.

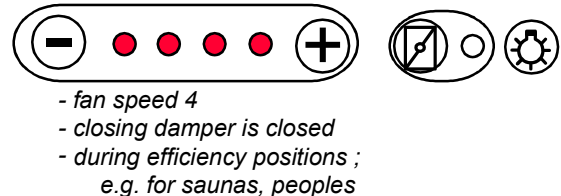
ATTENTION!
**FLAMING IS FORBIDDEN UNDER
THE COOKER HOOD.**

OPERATING POSITIONS WHEN COOKER HOOD CONTROL THE AIR CONDITION

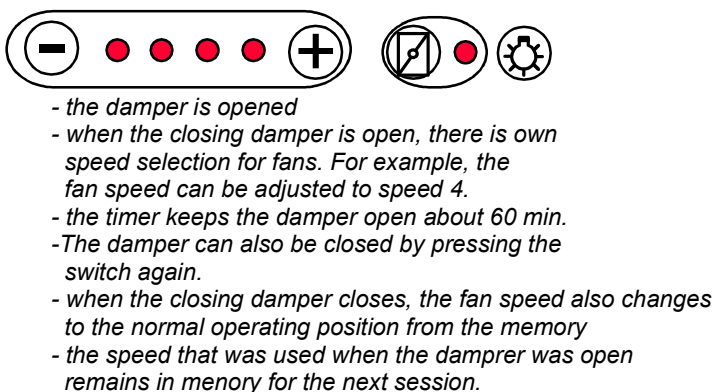
NORMAL OPERATING POSITION



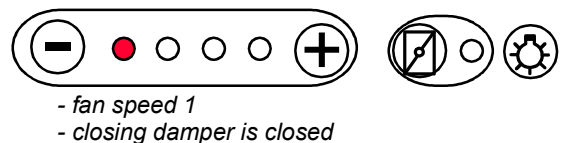
BOOSTING OPERATING POSITION

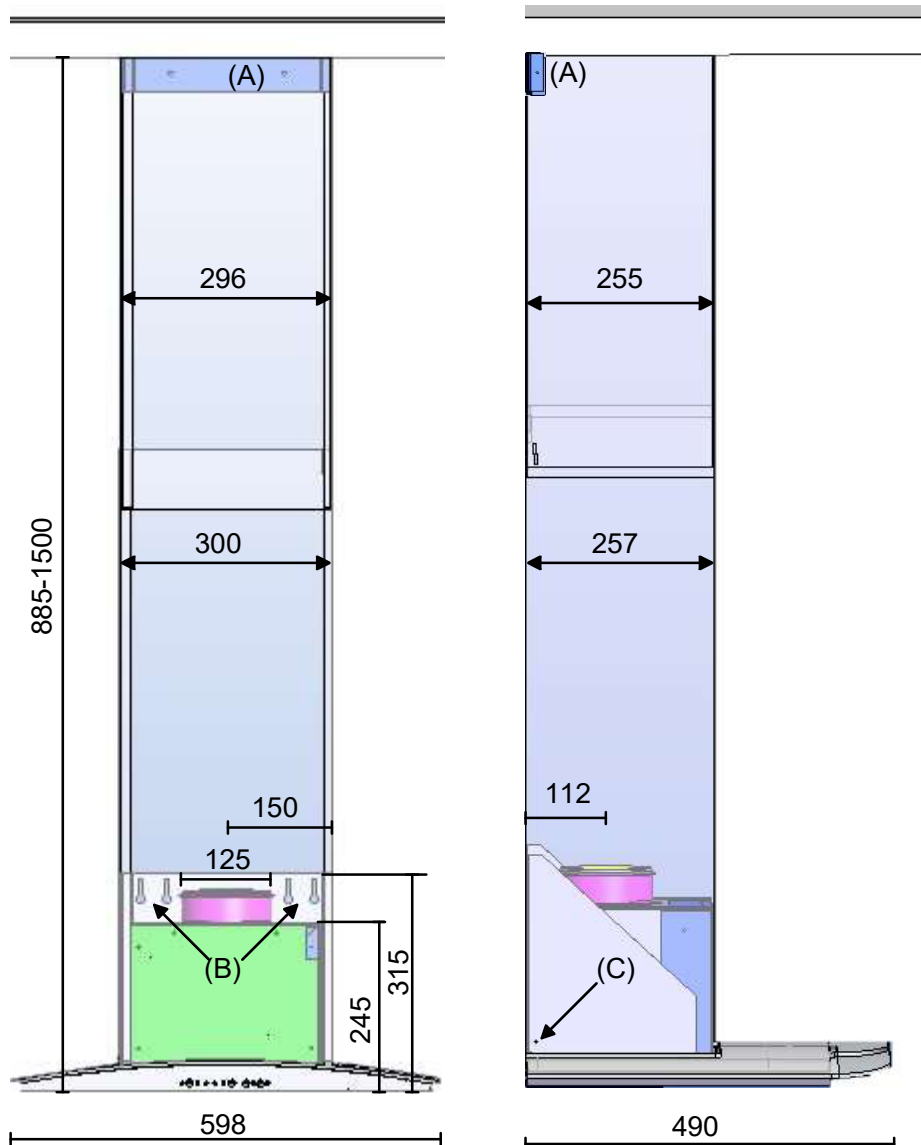


BOOSTING OPERATIGN WHEN COOKING



OUT OF HOUSE USE





DS Installation

Attach the upper flue mounting bracket (A) the center line of the bracket to the center line of the hood on the wall, against the ceiling.

Attach the cooker hood to the wall from the rear edge of the hood (B). The minimum distance between the hood base plate and the electric stove is 550 mm.

Connect the ductwork with a steel threaded duct, secure and seal the connections.

Install electrical connections

Install the upper (shorter) and lower flue at the same time on top of the cooker hood.

Fasten the upper flue to the mounting bracket (A) from the sides with screws. Fasten the lower flue from the sides with screws (C).

Check the exhaust air flow with the measurement and - if necessary, adjust the basic ventilation.

MEASUREMENT OF AIR VOLUME

If the cooker hood controls the ventilator which has a separately own channel for kitchen removal (past heat recovery) must all holes be covered and in the kitchen is needed separate exhaust valve which is connected to the exhaust air duct.

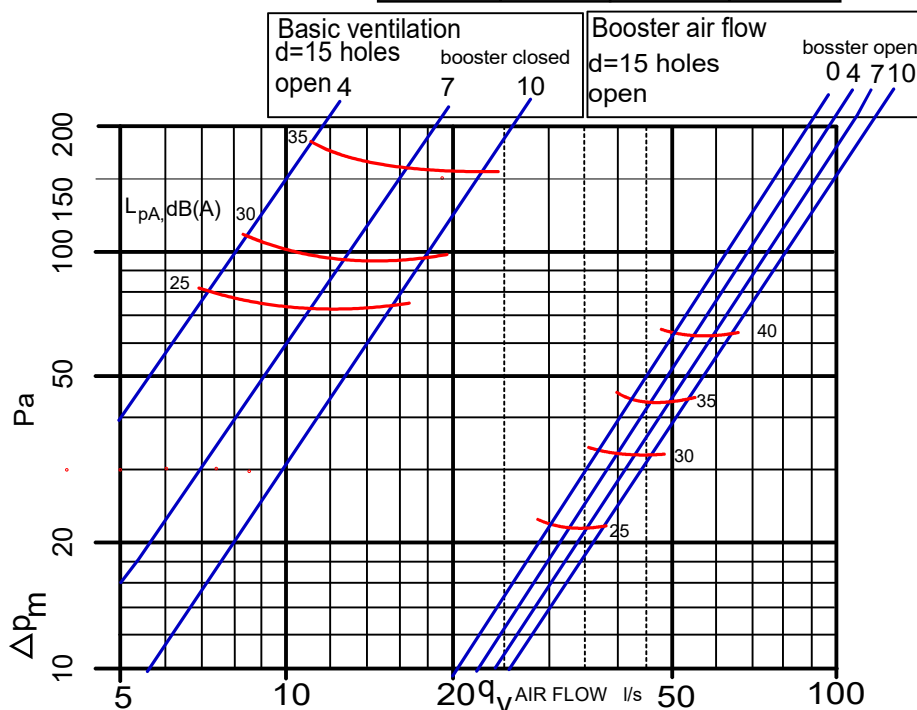
Airflow adjustment:

The basic ventilation (closing damper closed) is adjusted by measuring the channel's underpressure from air flow measuring nipple and covering the required number of adjusting holes.

Booster air flow (closing damper open) air flow is seen accordingly on the open holes - on the graph.

$$q_v = k \sqrt{\Delta p_m}$$

Basic ventilation		Booster air flow	
holes open	k-factor	holes open	k-factor
0	6,2	0	6,2
2	6,4	2	6,4
4	6,8	4	6,8
5	7,1	5	7,1
6	7,3	6	7,3
7	7,5	7	7,5
8	7,7	8	7,7
9	7,8	9	7,8
10	8,1	10	8,1



ELECTRICAL CONNECTIONS

Electrical work can be done by an installer with rights.

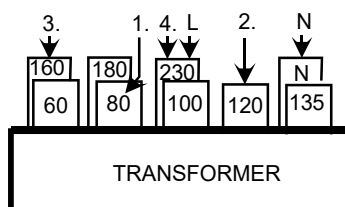
The supply of electricity to the ventilation device must be supplied from its own fuse of the electric center. In case of potential damage, the warranty will be void if the unit is used in common sockets or "light group". The wiring between the cooker hood and the machine is done according to the regulations following the switching instruction.

The cooker hood has a protective fuse (max 2A) on the circuit board under the cover plate.

In the event of a malfunction, first check the fuse and replace the burnt one.

CHANGING THE VOLTAGE OF COOKER HOOD

The cooker hood has an 8-speed transformer, of which 4 speeds have been introduced. Speed voltages can be changed by moving the wires to different terminals. The figure shows the factory-installed voltages. The supply cable (L) has a branch Abiko and it must be in the 230 V connector.



MINIMUM SPEED FUNCTION

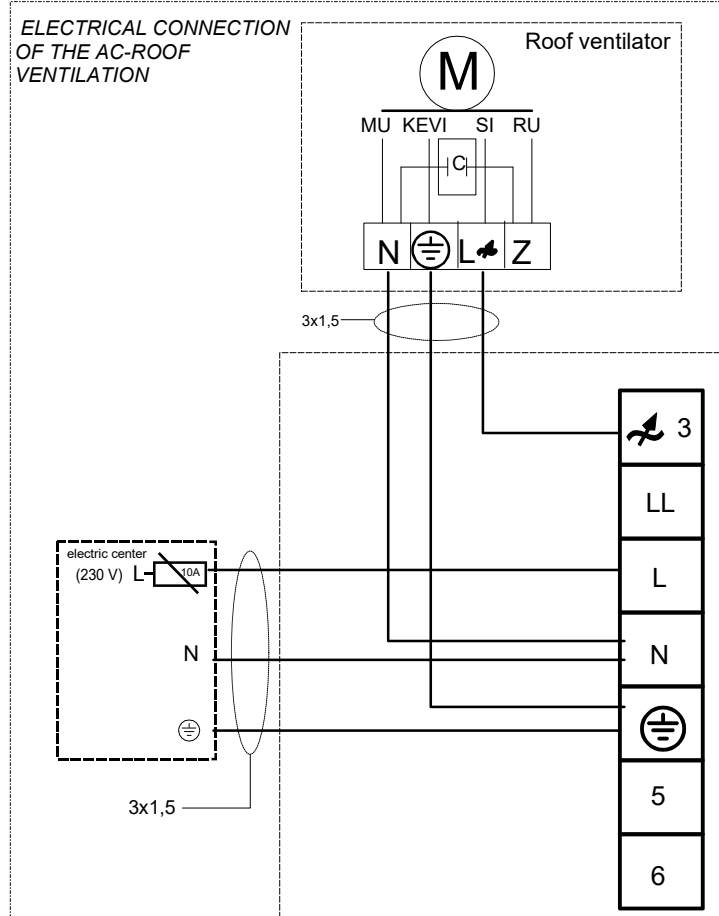
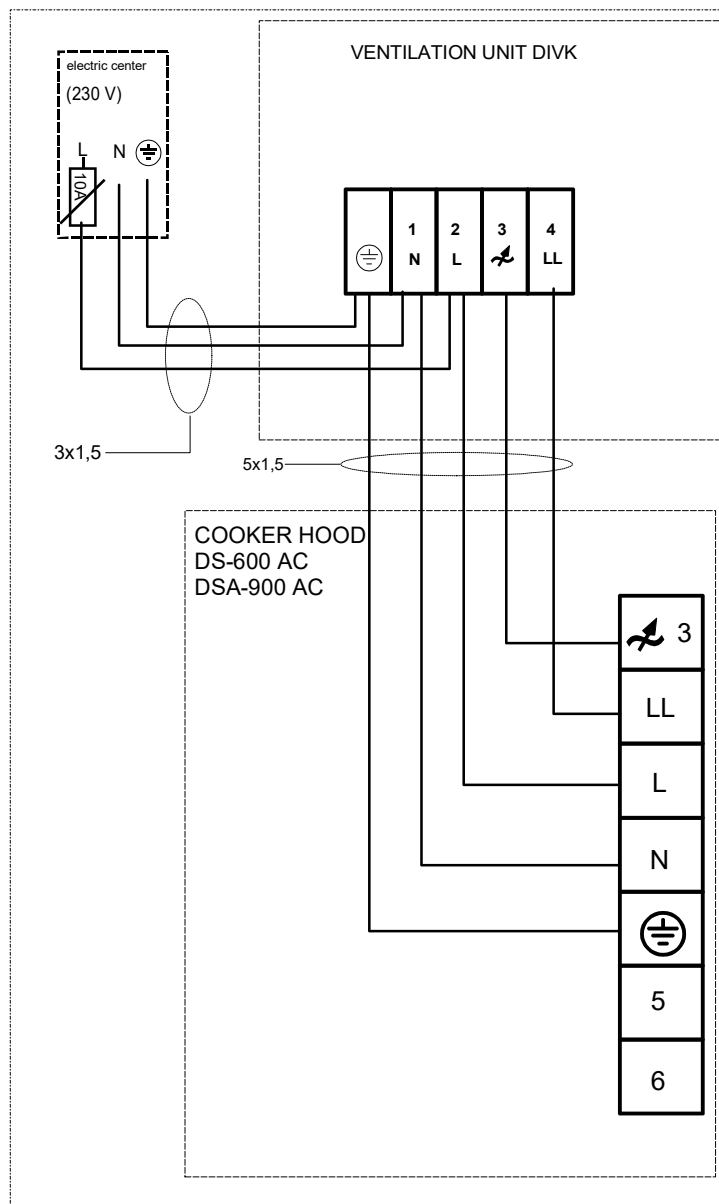
(Force switching)

According to regulations, ventilation must be constant operation. If the ventilation of the whole apartment is controlled from the hood, the cooker hood must be continuous.

The cooker hood can be programmed for continuous operation so that fans can not be switched off from the hood.

The programming can be done on the cooker hood controls

1. Closing damper closed
2. Selected for fan speed 2 (two LEDs are on)
3. The selection is acknowledged by pressing and holding the switch of closing damper on the bottom 15 s., after which the closing dampers LED flashes briefly and ja thereafter the programming has been completed.



MAINTENANCE OF COOKER HOOD

The dirty metallic tissue grease filter must be washed at least once a month to maintain ventilation efficiency and avoid fire hazard.

Machine detergents may darken the filter aluminium. The filter can be washed by pushing the bracket on the bottom plate backwards, whereby the bottom plate is detachable.

LAMP REPLACEMENT

The cooker hood has 2 LED lights, which can be replaced by moving the lower part of the cooker hood frame.

Disconnect the voltage from the hood e.g. from a electric center fuse.

Remove the cable cover (1) 4 screws.

Remove the 4 screws of the lower part (2)

Disconnect the lamp lead from the connector (3)

Press the lamp springs inwards simultaneously (4)

Lamp type: LED CHIP 58RST 4000K 12VDC 4W

