

OPERATING AND MAINTENANCE INSTRUCTIONS FOR COOKER HOOD DS-600 EC-22

COOKER HOOD

DS-600 EC-22 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 EC-22 is equipped with;

- rubber sealed channel connection d 125 mm
- direct current fan control 0-10Vdc
- 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

0000

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

○ (1) OUT OF HOUSE USE
- avoiding moisture damage

○○ (2) NORMAL OPERATING POSITIONS

○○○ (3) - continuous air condition operation ;
at least 0,5 times per hour

○○○○ (4) BOOSTED USE

- during efficiency positions ;
e.g. for saunas, cooking, peoples

USE OF THE COOKER HOODS CLOSING DAMPER

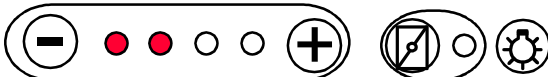


- Pressing the damper switch the closing damper opens, the indicator lights up and the timer keeps the damper open 60 min.
- The damper can also be closed by pressing the switch again
- When the damper is open, the fan speed may also be changed more efficiently, the fan speed will return to the basic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

ATTENTION!
FLAMING IS FORBIDDEN UNDER THE COOKER HOOD.

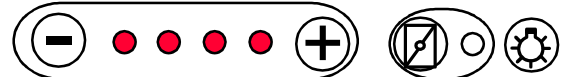
OPERATING POSITIONS WHEN COOKER HOOD CONTROL THE AIR CONDITION

NORMAL OPERATING POSITION



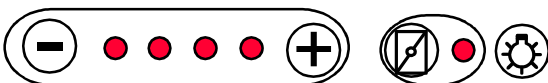
- fan speed 2 or 3
- closing damper is closed

BOOSTING OPERATING POSITION



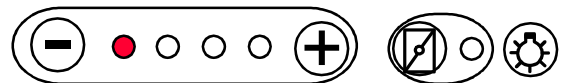
- fan speed 4
- closing damper is closed
- during efficiency positions ;
e.g. for saunas, peoples

BOOSTING OPERATIGN WHEN COOKING

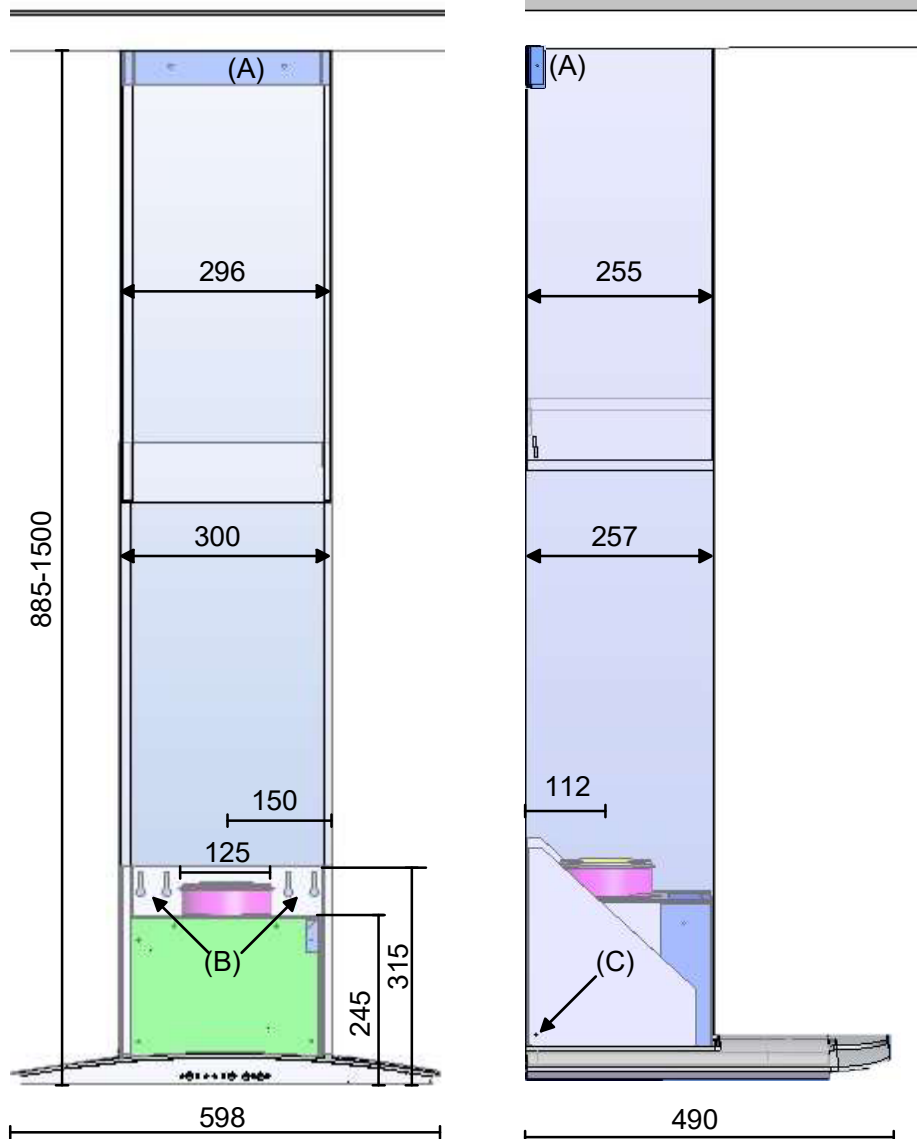


- the damper is opened
- when the closing damper is open, there is own speed selection for fans. For example, the fan speed can be adjusted to speed 4.
- the timer keeps the damper open about 60 min.
- The damper can also be closed by pressing the switch again.
- when the closing damper closes, the fan speed also changes to the normal operating position from the memory
- the speed that was used when the dampner was open remains in meny for the next session.

OUT OF HOUSE USE



- fan speed 1
- closing damper is closed



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

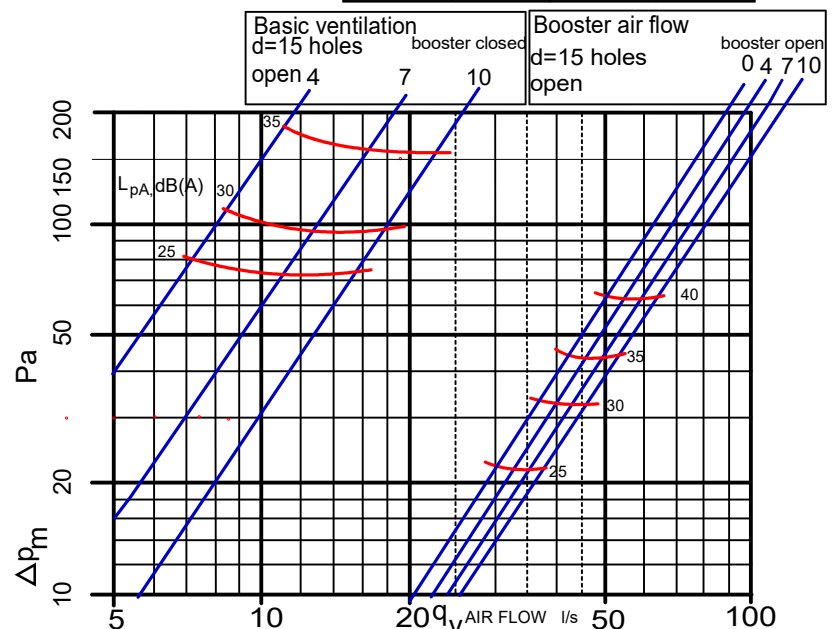
If the cooker hood controls the ventilator which has a separately own channel for kitchen removal (past heat recovery) must all holes be covered and in the kitchen is needed separate exhaust valve which is connected to the exhaust air duct.

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.

$q_v = k \sqrt{\Delta p_m}$		Booster air flow	
holes open	k-factor	holes open	k-factor
Basic ventilation		0	6,2
holes open	k-factor	2	6,4
4	0,8	4	6,8
5	1,0	5	7,1
6	1,2	6	7,3
7	1,3	7	7,5
8	1,5	8	7,7
9	1,6	9	7,8
10	1,8	10	8,1



ELECTRICAL CONNECTIONS

Electrical work can be done by an installer with rights.
Cooker hood is only suitable for 0-10 Vdc fans control.

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.

COOKER HOOD CONTROL, CHANGING THE VOLTAGE

There is 4 speeds in the cooker hood. When adjusting the ventilation system, any speed can be changed, if necessary.

Factory settings: 1. 4 Vdc | 2. 6 Vdc | 3. 8 Vdc | 4. 10 Vdc

Adjustment:

- *closing damper is closed*
- Select fan speed 4 (light on four LEDs)
- Hold the closing damper switch down 15 s., after which the 1st speed LED blinks calmly
- The +/- buttons adjust the voltage in 0,2V steps
- The damper button moves to the next speed.
- RECORDING: Press the light switch on the bottom for 5 seconds, the damper LED blinks for 5 seconds to indicate recording.
- NO RECORDING: press the closing damper to the bottom for 5 seconds

Note!

The speed voltages have a difference of 1 volt.
If, for example, the 2nd speed voltage is increased to 7.2 volts then the 3rd speed voltage can be adjusted to a minimum of 8.2 volts.

MINIMUM SPEED FUNCTION

(Force switching)

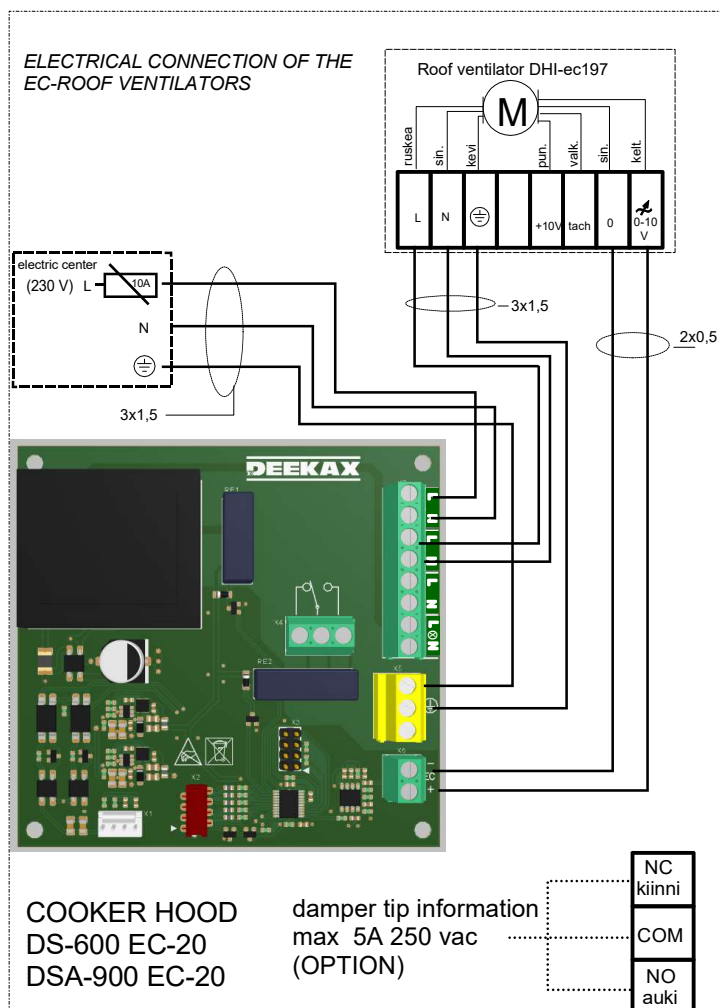
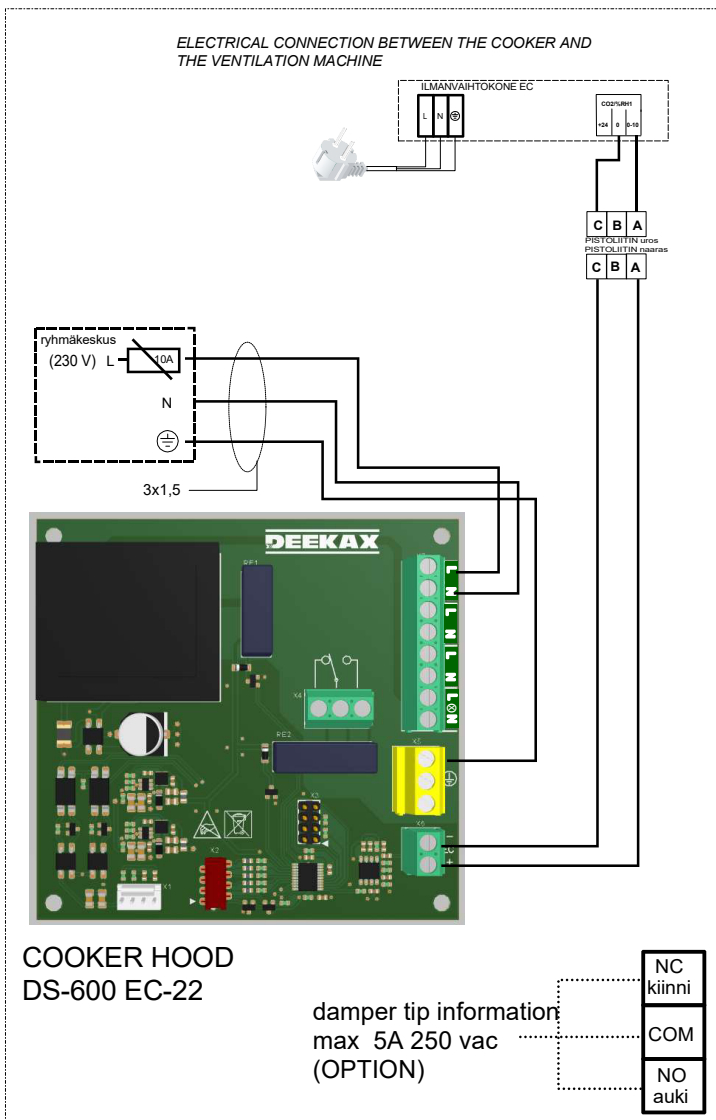
According to regulations, ventilation must be constant operation.
If the ventilation of the whole apartment is controlled from the hood, the cooker hood must be continuous.

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

If the cooker hood is only used as a kitchen extractor, the minimum speed function can be removed if necessary.

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 damper LED flashes briefly and 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.

You can order a new grease filter from our online store; www.deekaxair.fi -> varaosat ja suodattimet -> liesikuvut. The service is only in Finnish.

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

