

RAIS[®]
OF DENMARK

Manual

RAIS SAGA

10 PIECES OF GOOD ADVISE ABOUT YOUR WOODBURNING STOVE

Make sure that the stove is correctly connected and that the chimney is in good working order. If in doubt, contact the chimney sweep, who apart from giving good advise, once a year checks -, sweeps the stove, pipes and chimney according to the regulations.

Use birch and beech wood in your stove. These kinds of wood have high combustion value contrary to fir and spruce.

Make sure that the wood is properly dry before putting it into the stove - dry is minimum 1-2 years. Damp wood gives bad combustion and as a consequence soot deposits in stove, pipes and chimney.

Start the fire on top of the grate using very dry twigs and a solit spirit kindling block. The fire will burn from the front and backward.

Start a good fire as a small fire generally will result in soot and tar deposits. Starting a good fire will dry out the tar deposits.

Leave 20-30 mm of ash in the bottom of the firebox for insulation.

Do not at any time use impregnated wood in your stove, as this wood often contains arsen, which will emit poisonous arsenik fumes when burning.

Check the stove and pipes at regular intervals for leaks (seals and connection).

Make sure that there is enough fresh air supply to the room. The stove uses oxygen from the room, when it is working (be aware of extractor fan).

Cleaning the Smoke Box

1. Remove the baffle plate:
Push the baffle plate up towards the top of the stove and lift it off the side stones.
The baffle plate can now be pushed down and out through the door opening.
Note: The baffle plate is, because of the technical side of the matter, made out of Vermiculite slab insulation. This is a porous material and must therefore be handled with care.
2. Remove the clean-out:
The clean-out is tipped up at the back and turned diagonally to the door opening.
The clean-out can now be led down and out through the door opening.
3. Sweep the smoke box using an ordinary hand sweeping brush.
4. The clean-out and the baffle plate are replaced in reverse order of points 1 and 2.

Replacement of Worn Parts

Worn or damaged seal strip in the door (when the door does not fit tightly) can be replaced. If the ash pan does not fit tightly because of a damaged seal strip, this can be replaced. If the parts in the smoke system become damaged for any reason, these can be replaced. See description above: **Cleaning the Smoke Box.**

Unreliable Operation

The wood burns **too rapidly**:

This can be caused by the fact, that the seals in the door or the ash pan are worn or damaged. Replace as described above.

The wood burns **too slowly**:

This might be caused by one of the following facts:

- too little fresh air supply to the room.
- the smoke box needs cleaning.
- leaky chimney.
- the chimney will not draw.

If unreliable operation sets in, we recommend that you contact the chimney sweep.

If the chimney should catch fire, call the fire-brigade. Do not use water to extinguish the fire.

Important!

To ensure safe combustion the flames or embers in your stove must burn or glow brightly - not smoulder. Do not close the air inlets to the firebox completely.

Working description RAIS Saga.

In order that fire wood can burn optimally, sufficient combustion air has to be available, at the right time and place.

The RAIS Saga has a handle on the front at the left hand side, which regulated the primary and secondary air.

When the handle is adjusted to the left hand position (1) the primary - and secondary air inlets are completely open.

If the handle is adjusted toward the right to position 2 the secondary air inlet is completely open.

If the handle is adjusted to the extreme right position 0 the air inlets are closed.

Installation Instructions.

The stove can be installed with smoke outlet at the top or at the back. The vent pipe socket is mounted using the 3 screws and nuts. These parts are delivered with the stove.

When installing the RAIS Saga the heat distribution to other rooms has to be taken into consideration, as the RAIS Saga has a heating capacity of approx. 110 m² (at normal ceiling height etc.)

Connect to chimney with a stovepipe of the correct dimensions (if in doubt ask the chimney sweep).

If the stove is fitted with an elbow pipe, this must have a clean-out, in order that you can clean the soot and ashes that accumulate in the pipe.

If the stovepipe is fitted with a baffle this must be manually worked. It must be easy to operate and placed so that it is stable and visible. The baffle must not close completely. This is ensured by cutting away 20% of the baffle area - minimum 20 cm².

Distances from walls: See enclosed installation instructions.

The local authorities and the chimney sweep must be contacted before installation.

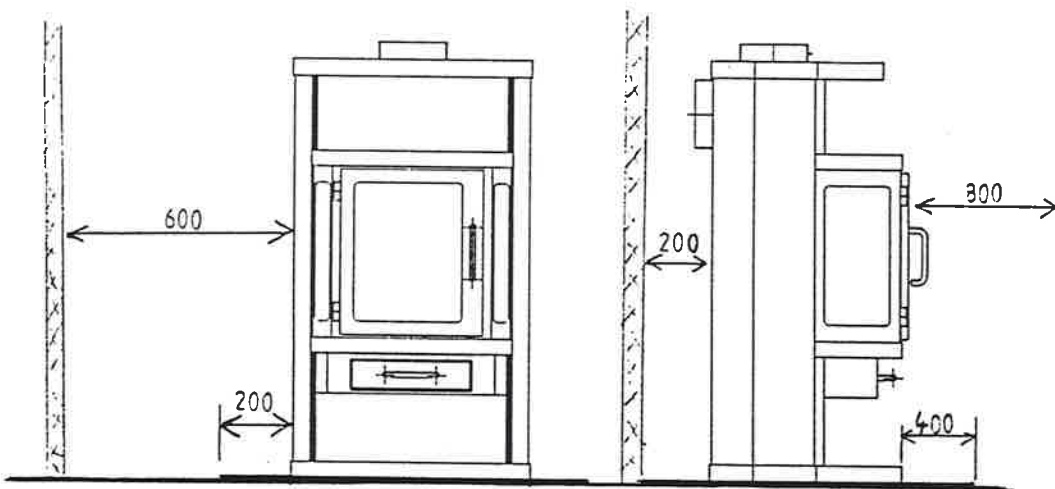
Installation Instructions for RAIS Saga.

Thermal output: 9 kW.

Minimum pressure in the stove at 9 kW: -14 Pa.

The room where the stove is to be installed has to have sufficient supply of fresh air. Be aware of any mechanical ventilator (extractor fan).

Minimum distances to inflammable material:



Distances to inflammable material:

Distance to back wall: 200 mm

Distance to side wall: 600 mm

Distance to furniture: 800 mm

Distance to non-inflammable material: 50-100 mm.

Flues and pipes have to be cleaned once a year.

The stove must be installed according to the building regulations.

Operating instructions

Firewood

The firewood must be dry, i.e. the water content must not exceed 15-22 %. Use lengths of 30-35 cm. Fresh wood must be stored under roof with ventilation for at least a year to be dry.

Lighting the Fire

When lighting the fire use a solid spirit kindling block and about 2.0 kilos of dry, chopped firewood.

Before lighting the fire:

Adjust the handle for the primary/secondary air inlet to pos. 1.

While lighting the fire:

Move the handle for the primary/secondary air inlet little by little toward pos. 2.

We recommend that a 20 mm layer of ash is always left in the bottom of the fireplace.

Stoking the Fire

When stoking the fire the handle for primary/secondary air inlet can be placed in position 1 for a couple of minutes or until the flames are bright and lasting.

When feeding the fire small amounts of wood the handle can be adjusted to half open (between position 1 and 2).

Quantity

Nominal thermal output is reached by feeding the fire approx. 2.5 kilos of wood an hour. A piece of birch wood with a diameter of about 8 cm and a length of 33 cm weighs approx. 1 kilo. If the fire is fed more wood than recommended, this is a danger that **the stove will discolour.**

Supervision

There is no need to supervise the stove if the doors are closed and the operating handles are correctly adjusted.

Cleaning

The firebox is kept clean by removing the ashes through the grate. The ashes are to be kept in a non-inflammable bin until the ashes are completely cold. Clean the outside of the stove with a dry, clean sponge.