



**SOLID FUEL
BUILT-IN SYSTEM**

TYPE 8111

**OPERATION & MAINTENANCE
MANUAL**

OPERATION & MAINTENANCE MANUAL

Dear customer,

Thank you for purchasing of the appliance KVS MORAVIA built-in system for solid fuel – Fire box and Oven. We trust that our product serves you well. Some important principles should be observed during its operation. Therefore, in your interest, carefully study this manual and operate the product according to the given instructions.

Important Information, Binding Instructions and Recommendations

- No flammable liquids should be used when lighting the fire, nor should they be used to increase the nominal output of the appliance.
- The appliance should not be used for waste incineration; only recommended fuels may be used.
- During operation, the ash tray door should be closed, and the fire door should only be opened for lighting the fire or raking the grate in order to prevent flue gas bleeding.
- Ash should be put into non-flammable ash bins with covers! Be very careful during the removal of hot ash.
- Pay attention to fire safety!
- It is forbidden to use the appliance if it is damaged (unfit for its function)!
- Any contravention of the operating conditions may cause damage to some parts of the appliance. It is forbidden to overload the appliance in any way. In case of the oven inside temperature rich over the 300° C the thermometer can be damaged.
- Any repair of the appliance, except cleaning and fired claying must only be made by an authorised worker.
- Local regulations, including those regulations related to national and European standards, shall be observed during the installation of the appliance.
- It is recommended that you only use spare parts approved by the manufacturer.
- Unauthorised modifications of the appliance are forbidden.
- The appliance must only be operated by adults, and during operation, the appliance requires intermittent attendance and supervision.
- We don't design or build the Tiled stoves or Dutch construction or cookers for households. You have to order it from a special supplier.
- **The appliance should be installed by an authorised specialist. No claims are accepted in case of incorrect or amateur installation.**

Technical Specifications - TYPE 8111

The TYPE 8111 built-in system has been designed for solid fuel combustion in periodic feed rates. This appliance is suitable for short operational periods, so it is not possible to set the permanent-heat process with a shortest interval of fuel supply of 10 hours. This Firebox and Oven are producing in the left versions of door opening (all hinges are on the right side). The right version is possible after the doors demounting from the front wall, turning doors round and install them back to the front wall. The handles must be turn after the doors demounting, including the oven door glass with thermometer and gasket. It is recommended to carry out this mounting before the built-in system setting.

Appliance Characteristics

Nominal Heat Output – NHO

Efficiency at NHO

Average temperature of flue-gas at NHO

Mass flow rate of flue-gas at NHO

Average CO concentration at NHO ($O_2 = 13\%$)

Minimum chimney draught

Average wood consumption

Weight of firebox

Wight of oven

TYPE 8111

wood lignite

6 kW 6 kW

70 %

200 °C

3 g/s

3 g/m³

10 Pa

2 - 3 kg/h

25 kg

15 kg

Dimensions of the built-in Fire Box

Width

342 mm

Depth

505 mm

Height

503 mm

Dimensions of the built-in Oven

Width

412 mm

Depth

491 mm

Height

332 mm

Accessories

Gridiron for oven

1 pc.

Roasting pan

1 set

Service Instructions

Fuel

The built-in system has been designed for solid fuel combustion:

- wood (tested fuel), wooden briquettes, brown coal (lignite), lignite briquettes. Take care that the fuel used is dry. It is recommended that you avoid burning high-calorific fuels which reduce the service life of the appliance.

Grate

This appliance has one cast-iron grate in the firebox.

Raking

The purpose of the raking is allowing the burned fuel to fall to the ashtray, which increases the supply of combustion (primary) air to the combustion chamber.

Air Supply Control

Controlling the supply of primary combustion air is enabled by means of the air rose, which is a part of the ashtray door. By handling the rose and shutter it is possible to precise control the air supply and thus affects the burning rate of the fuel (appliance output): slow combustion (the air supply closed) and fast combustion (the air supply full opened).

During the operation of the appliance the supply of the combustion air must be maintained, the air supply inlet must not become blocked. Mechanical ventilation/ air extraction must not be used in the room where the appliance is placed, unless there is provided sufficient air supply for ventilation (danger of overheating). Ventilation levels are provided in your local building regulations. It is advised to check ventilation issues with your local building control office to ensure trouble free operation

Appliance operation

After lighting, close the fire place door and when the fire has caught add more pieces of wood. When a burning bed of embers has formed you can stoke additional fuel. Be careful not to smother the fire by stoking a big amount of fuel too quickly. Carry out refuelling by hand or by means of a suitable shovel.

The appliance output can be controlled by the air supply under and over the grate. From time to time, purge the grate. If the appliance emits fumes during fuelling, close the air intake.

The entire area of the fire place can be used. Take care that the fuel does not fall out of the fire place. With poor draught conditions or with poor weather conditions you should use small dry pieces of wood for fuel.

Roasting

If you want to bake in the appliance, the oven has to be sufficiently heated and thermally stabilised. Use smaller dry logs for fast firing of the oven.

To ensure even baking/ roasting we recommend turning the roasting pan around halfway through the cooking process.

INSTALLATION MANUAL

Based on the design solution and the use to which the appliance will be put, this solid fuel appliance must be installed into an environment which was defined as ordinary environment (for example by standard ČSN 33 2000-3:1995 – Environment standard of the Czech Republic).

Requirements for combustion air supply will be met if the appliance is installed in a room with a minimum volume of 20 m³. According to need, the appliance operation or in combination with the contemporary operation of other heat equipment in the room, additional ventilation may be necessary. In cases where dangerous situations may arise, such as the temporary formation of combustible gases and works which may cause a fire to start (potentially explosive), the appliance should be put out of service (by closing the combustion chamber door the fuel will be allowed to burn out on the grate).

During the operation of the appliance with adjustment grills for combustion, ventilation and heating air it should be placed so as to prevent their blockage.

Safety instructions

The minimum safe distance from flammable matters with a combustibility grade of B, C₁, C₂ is a minimum 750 mm forward of the appliance and 200 mm to the sides and. For flammable matters with C₃ combustibility grade and/ or with an unproven combustibility grade, the distance should be doubled. No flammable objects should be laid on the appliance and should be kept at a safe distance from it. When the appliance is situated on a floor made of a flammable material, it should be set on a fireproof, thermo-insulating plate overlapping its section plan:

- not less than 600 mm at the front (before the stoke hole)
- not less than 300 mm from the lateral side of the stoke hole.

We recommend that your installer check this reduced dimension with your local building control department.

Description of materials type for flammable classification in cookers manuals (in accordance with Czech and EU Standard No. ČSN EN 13501-1+A:2010):

Flammable level	Rating	Materials (for complete list see Standard)
A.	Non-flammable	asbestos, brick, ceramic wall and floor tiles, chamotte, mortars, plasters, glass, natural building stone, building steel constructions, cement-fiber board CEMVIN ..
B.	Uneasy-flammable	plasterboards, HERAKLIT, VELOX, LIGNOS, touchstone felt panels, fibreglass panels ..
C ₁ .	Flammable with difficulty	beech wood, HORBEX board, SIRKOLIT, wood multi-layer board, WERZALIT, FORMICA, hardened paper, felt boards ..
C ₂ .	Moderately flammable	pine tree wood, larch wood, spruce wood, wood chip boards, PIOPLAT, corkboards ..

C3.	Easily flammable	sarking felt, cellulose boards, tar panels, wood-pulp fibre, BA corkboards, rubber, polyurethane, polystyrene, polypropylene, polyethylene, textile, organic glass ..
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Warning for places where burns can occur:

- oven door
- combustion chamber door
- inside wall of oven

Important notice

1. Production standards

KVS MORAVIA solid fuel appliances are produced in accordance ČSN EN12815:2002 Standard with amended A1:2005, which is valid for the Czech Republic and European Union.

2. Installation and operation standards

All the above installation and operation instructions for the appliances primarily comply with the Czech regulations, and may not comply fully to individual national regulations at place of installation and use!

The buyer should consult their installer or specialised officials on all of the local installation and operation regulations for this appliance or similar appliances!

Trouble - Shooting

- The appliance cannot be lit: -inspect the flue ways, flue gas duct and chimney
-check the Ignition flap, circular air grid, fire place door and ash tray
- Overheated appliance -put out of service, do not stoke, close the air grid, let fire burn out
- Fire in the chimney -do not use water to extinguish the fire
-close all of the air intakes, cover the chimney if possible
-contact a qualified chimney sweep service
-contact the manufacturer or your supplier

Claims

Do not carry out repairs by yourself if faults occur during the guarantee period. File a claim in the shop where the product was bought or in a guarantee repair shop and support it with a duly completed guarantee card. Guarantee claim requests can be set up only in cases where all guarantee conditions are met.

Disposal of Packaging

- Corrugated cardboard, wrap. paper - can be used to light fire
- recycle
- Wooden parts - can be used as fuel
- recycle
- PVC bands, bags, plastic sheets - recycle if available, or dispose of sensible
- Metal bands, nails - recycle

Disposal of the Appliance after its Service Life

The appliance contains valuable materials that can be recycled. Your Local Authority or a licensed scrap firm can organise this for you.

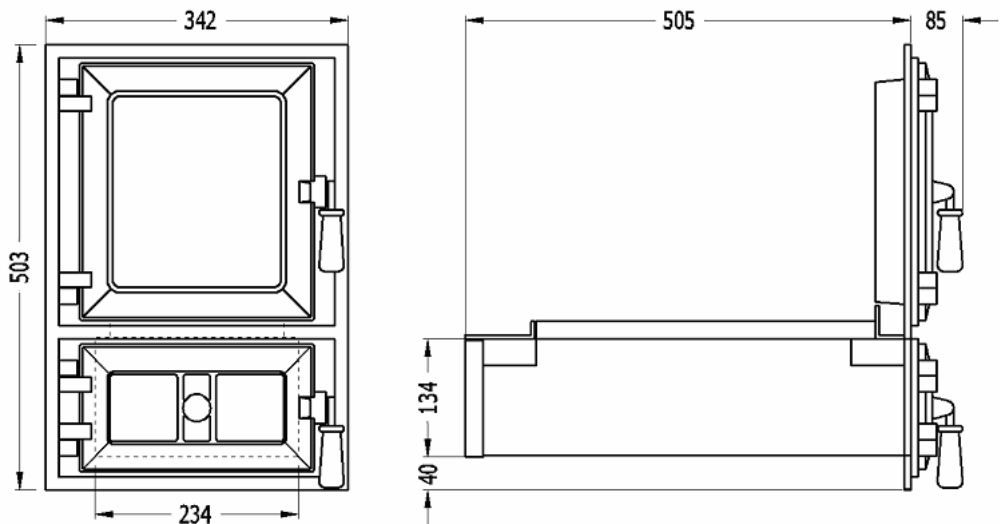
NOTE:

The manufacturer reserves the right to carry out small changes resulting from innovative or technical changes of the product that will have no detrimental affect on the function of the appliance.

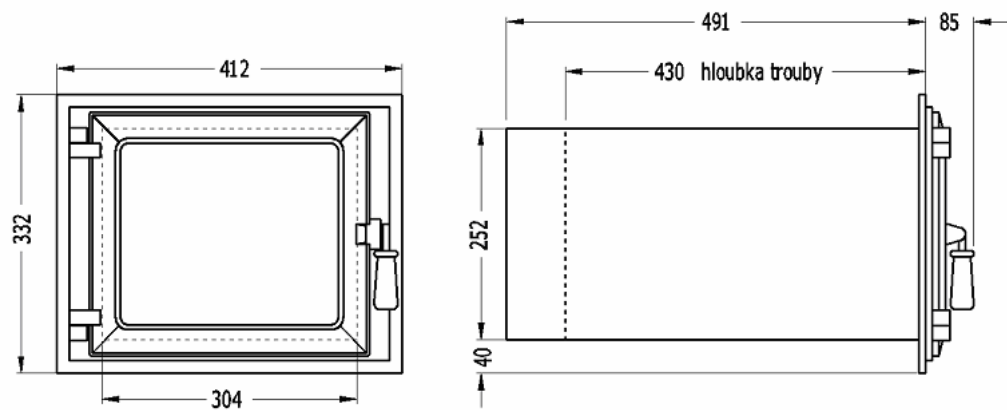
Dimensional Sketch of the appliance

(all of dimensions are in mm)

Built-in firebox - TYPE 8111



Built-in oven - TYPE 8111



Producer:



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