



Solid Fuel Appliances

THE KVS-MORAVIA CATALOGUE



Solutions for your heating and cooking



KVS EKODIVIZE a.s., Branch plant Dvorce – The KVS MORAVIA producer of domestic appliances

The history of the plant in Dvorce na Moravě dates back to the beginning of the last century. Textile production began in 1906 and was redirected towards supplying the military in wartime. The engineering production continued after the war; the production of solid fuel appliances, cooking and heating stoves and boilers began in 1994. We supply these appliances under the KVS MORAVIA brand to wholesale and retail networks all over the Czech Republic. These appliances work on the principle of combustion of solid fuels, mainly the environmentally friendly wood briquettes.

Since 1 February 2003, the Dvorce plant is a part of KVS EKODIVIZE a.s.



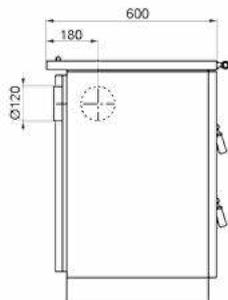
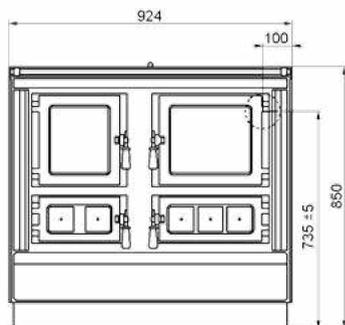




Solid fuel stove with an oven designed for heating, cooking, baking and re-heating food.



Output: 7–10 kW
Maximum calorific value: 150 m3
Weight: 175 kg
Recommended fuel: wood briquettes
Plate versions: double steel, double steel ground and glass ceramic
Accessories (controls): wooden or metal
Energy efficiency class: chromium-plated class: A



Characteristics

- High calorific value by radiating heat into the space
- Large firebox with rotary grate - for fuel up to 190 mm diameter and 450 mm length
- Glass doors on the firebox and oven
- Equipped with a rack and a baking tray
- 120 mm chimney outlet can be positioned in the back, on the side or on the stove top (the glass ceramic plate does not have a top outlet)
- A right- or left-sided version (depending on outlets)
- Easy power regulation using the primary or secondary air supply
- Burning time without adding fuel can be up to 4 hours
- Also available with a hot water heater, see page 6-7
- A cooling panel can be used to integrate the cooker, e.g. in the kitchen cabinet, see page 28
- Colour: beige, burgundy, green, anthracite, black, light grey

Colour





Plate heaters - radiators

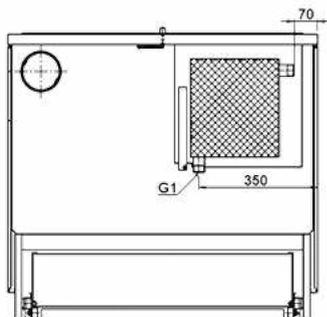
Water heating tank - boiler

Circulating pump

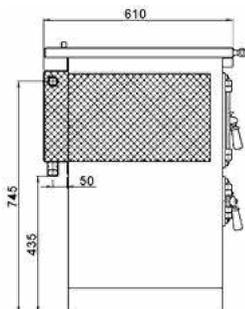
The TP 9112 solid fuel stove with hot water heater



A possible home installation



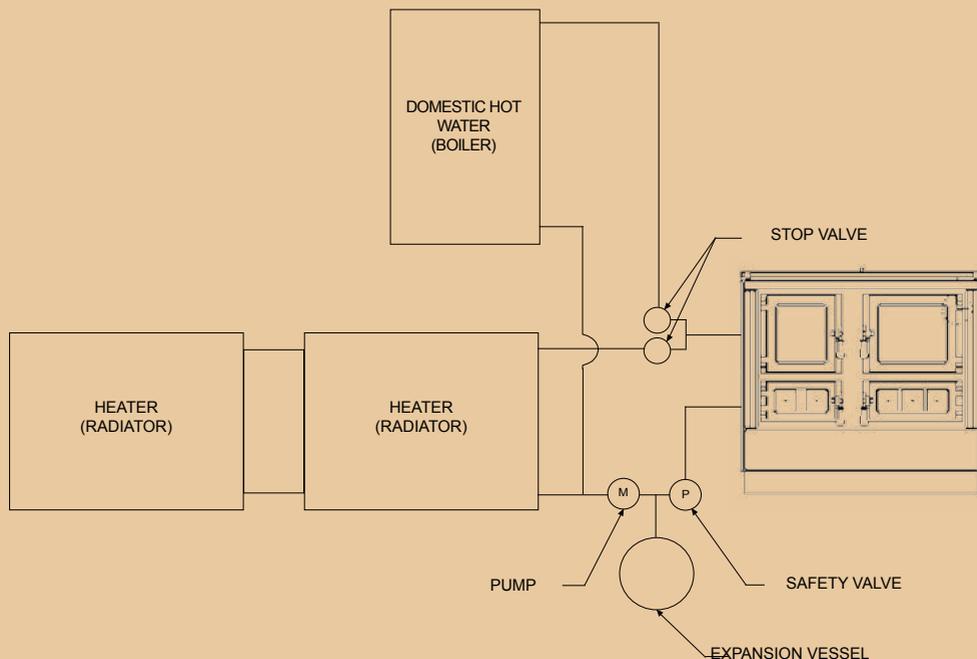
| | |
|--------------------------|------------------------------|
| Output to the space: | 7.6 kW |
| Output to water: | 3.8–6 kW |
| Thermal input: | 14 kW |
| Maximum calorific value: | 150 m ³ |
| Water heater volume: | 9 litres |
| Water heater outlets: | 1" |
| Recommended fuel: | Wood briquettes |
| Chimney outlet: | rear, side or from the plate |
| | Throat diameter 120 mm |
| Energy efficiency class: | A+ |



Colour



The water heater version



Technical specifications:

The 9112-V stove with hot water heater (exchanger) combines the advantages of an appliance with cooking, baking and central heating.

It is designed to maintain cooking and baking functions but also to provide the possibility to heat other rooms. An appliance with a hot water heater has a longer service life than appliances without a heater and therefore requires more frequent refuelling and grating during operation. It is not possible to set up continuous burning operation. The appliance is suitable for heating smaller dwellings and cottages.

The stove has a large single grate (swivel) furnace and an „L“ shaped hot water heater located on the back and sides of the furnace (replacing the fireclay bricks). Outlets to connect to the central heating system are on the rear wall of the appliance.

Due to the limited space in the stove design, the hot water heater is smaller and therefore provides smaller water volume. We recommend connecting it to a forced water circulation circuit (with a pump).

Safety instructions:

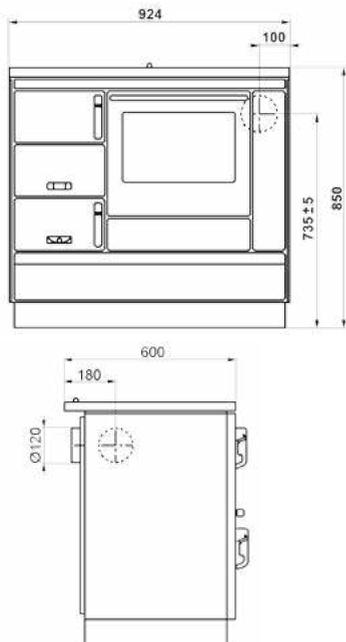
- 1) The appliance must be wired by a professional heating company.
- 2) The appliance must not be operated without a heating medium.
- 3) The heating system must not be connected without a safety valve.



Solid fuel stove with an oven designed for heating, cooking, baking and re-heating food.



Output: 8–10 kW
 Maximum calorific value: 150 m³
 Weight: 155 kg
 Recommended fuel: wood briquettes
 Plate versions: double steel, double steel ground and glass ceramic
 Accessories (controls): metal chromium-plated
 Energy efficiency class: **A+**



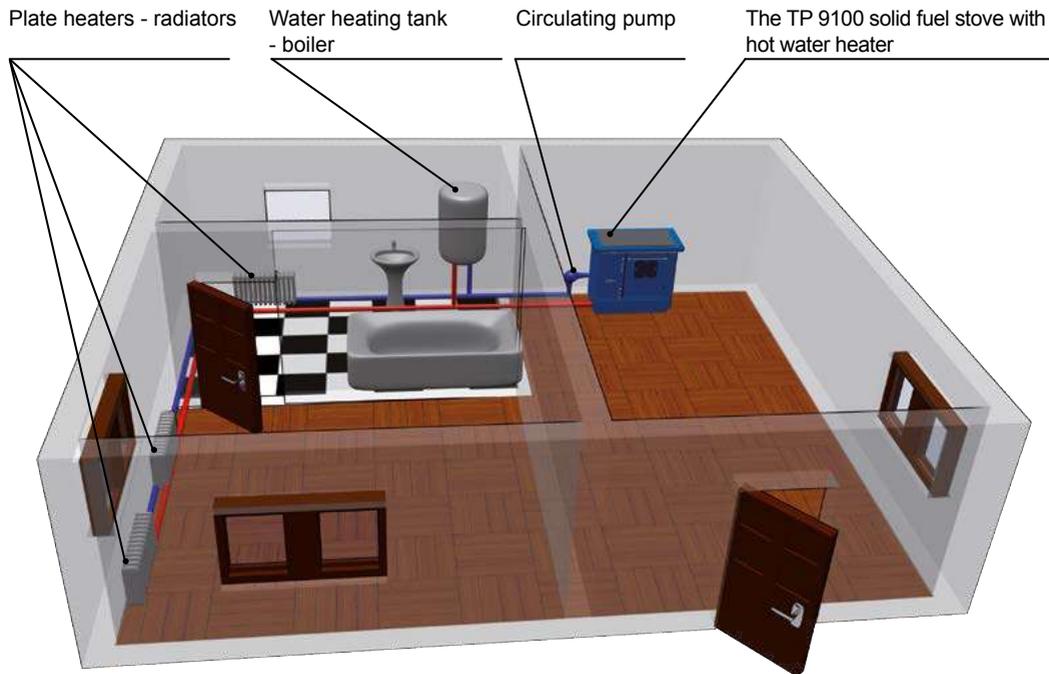
Characteristics

- High calorific value by radiating heat into the space
- Large firebox with two grates allows set up of winter or summer operation mode
- Large oven equipped with a rack and baking tray
- 120 mm chimney outlet can be positioned in the back, on the side or on the stove top (the glass ceramic plate does not have a top outlet)
- A right- or left-sided version (depending on outlets)
- Easy output regulation
- Burning time without stoking can be up to 4 hours
- Also available with a hot water heater, see page 10–11
- A cooling panel can be used to integrate the stove into the kitchen cabinet etc., see page 28
- Colour: white, burgundy, green, anthracite, black, light grey

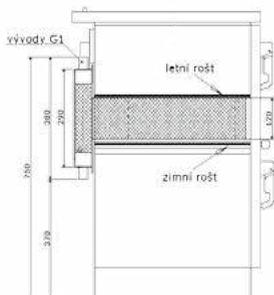
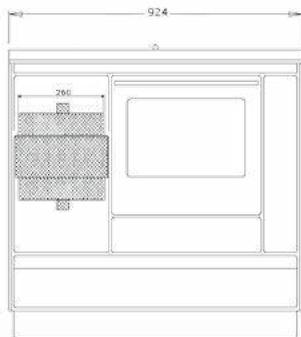
Colour







A possible home installation



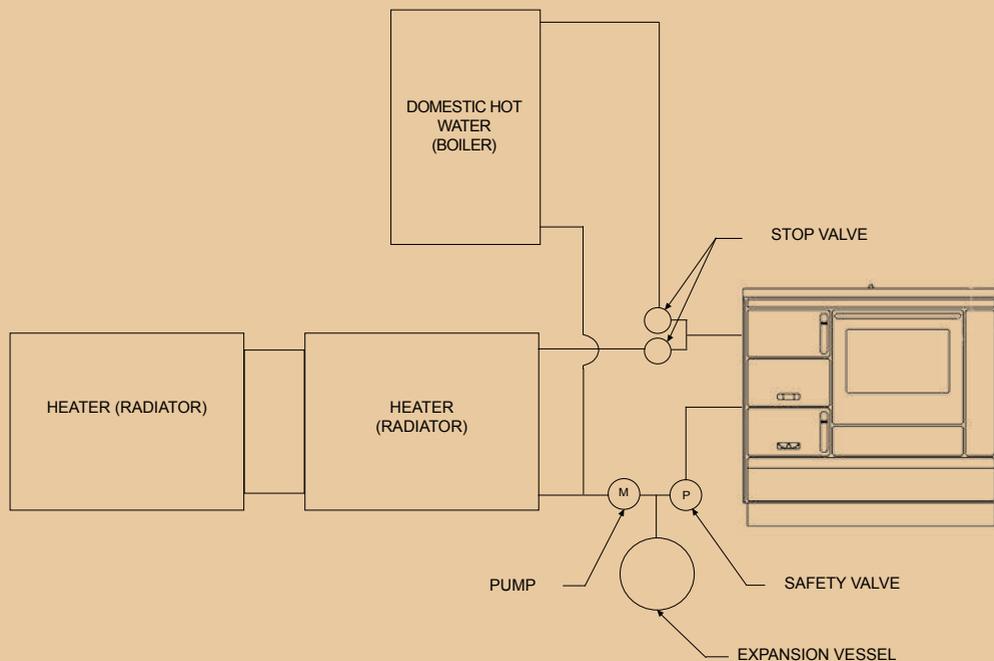
Output to the space: 6,6 kW
 Output to water: 3.4–7 kW
 Thermal input: 11.7 kW
 Maximum calorific value: 150 m³
 Water heater volume: 10 litres
 Water heater outlets: 1"
 Recommended fuel: wood briquettes
 Chimney outlet: rear, side or from the plate throat diameter 120 mm
 Energy efficiency class: **A+**



Colour



Possible connection with an expansion vessel:



Technical specifications:

The 9100-V stove with hot water heater (exchanger) combines the advantages of an appliance with cooking, baking and a central heating boiler.

It is designed to maintain cooking and baking functions but also to provide the possibility to heat other rooms. An appliance with a hot water heater has a longer service life than appliances without a heater and therefore requires more frequent refuelling and grating during operation. It is not possible to set up continuous burning operation. The appliance is suitable for heating smaller dwellings and cottages.

The 9100-V solid fuel stove has two grates in the firebox for summer and winter operation mode. The hot water heater is located between the two grates in the bottom part of the firebox. Outlets for connection to the central heating system are on the rear wall of the appliance.

Due to the limited space in the stove design, the hot water heater is smaller and therefore provides smaller water volume. We recommend connecting it to a forced water circulation circuit (with a pump).

Safety instructions:

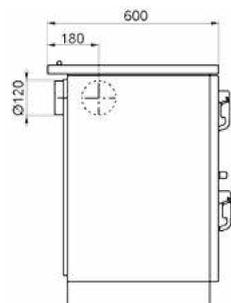
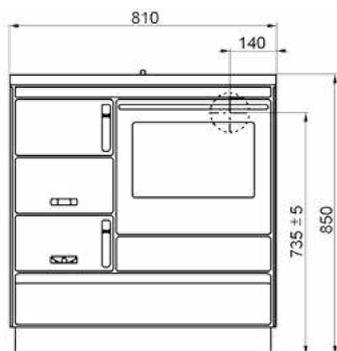
- 1) The appliance must be wired by a professional heating company.
- 2) The appliance must not be operated without a heating medium.
- 3) The heating system must not be connected without a safety valve.



Solid fuel stove with an oven designed for heating, cooking, baking and re-heating food.



| | |
|--------------------------|---|
| Output: | 8–10 kW |
| Maximum calorific value: | 150 m ³ |
| Weight: | 140 kg |
| Recommended fuel: | wood briquettes |
| versions: | double steel, double steel ground and ceramic glass |
| Accessories (controls): | plastic or metal chromium-plated |
| Energy efficiency class: | A+ |



Characteristics

- High calorific value by radiating heat into the space
- Large firebox with two grates allows set up of winter or summer operation mode
- Large oven equipped with a rack and a baking tray
- 120 mm chimney outlet can be positioned in the back, on the side or on the stove top (the glass ceramic plate does not have a top outlet)
- A right- or left-sided version (depending on outlets)
- Easy output regulation
- Burning time without adding fuel can be up to 4 hours
- Also available with a hot water heater, see page 10–11
- A cooling panel can be used to integrate the stove into the kitchen cabinet etc., see page 28
- Colour: white, burgundy, green, anthracite, black, light grey

Colour



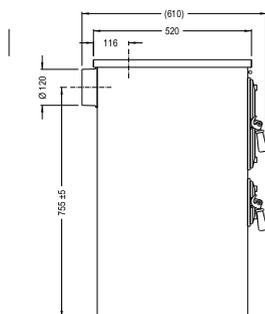
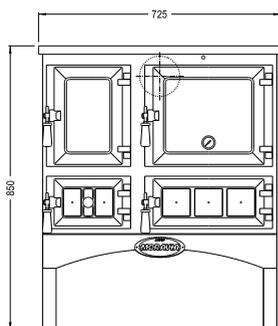




Solid fuel stove with an oven designed for heating, cooking, baking and re-heating food.



Output: 6–8 kW
 Maximum calorific: 120 m³
 Weight: 107 kg
 Recommended fuel: wood briquettes
 Plate versions: steel sprayed with baking paint
 Accessories (controls): from lacquered wood
 Energy efficiency class: **A+**



Characteristics

- Small stove suitable for heating smaller spaces by radiating heat
- Furnace with one grate – for fuel with a diameter of 160 mm and the length of 340 mm
- Glass doors on the firebox and oven
- Large oven equipped with a rack and a baking tray
- 120 mm chimney outlet can be positioned in the back, on the side or on the stove top (the glass ceramic plate does not have a top outlet)
- Easy output regulation, low fuel consumption
- Wooden door handles do not get hot
- Colour: anthracite

Colour



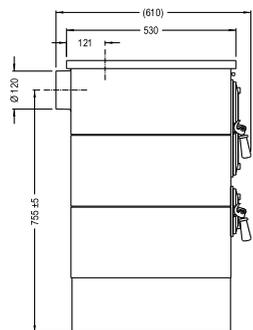
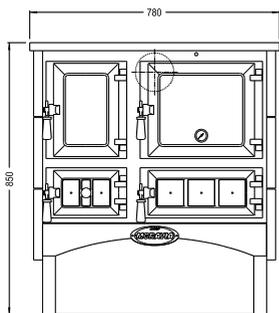




Solid fuel stove with an oven designed for heating, cooking, baking and re-heating food.



Output: 6–8 kW
 Maximum calorific value: 120 m³
 Weight: 137 kg
 Recommended fuel: wood briquettes
 Plate versions: steel sprayed with baking paint
 Accessories (controls): from lacquered wood
 Side walls lining: ceramics
 Energy efficiency class: A+



Characteristics

- Stove with ceramic lining to increase the heat radiating into the space
- Small stove suitable for heating smaller spaces by radiating heat
- Firebox with one grate for fuel with 160 mm diameter and 340 mm length
- Glass doors on the furnace and oven
- Oven equipped with a rack and a baking tray
- 120 mm chimney outlet can be positioned in the back or on the plate in the middle of the stove
- Easy output regulation, low fuel consumption
- Wooden door handles do not get hot
- Space in the bottom part of the stove to store fuel
- Colour: metal – anthracite, ceramics – burgundy, cappuccino, bottle green, white, black

Ceramics colour



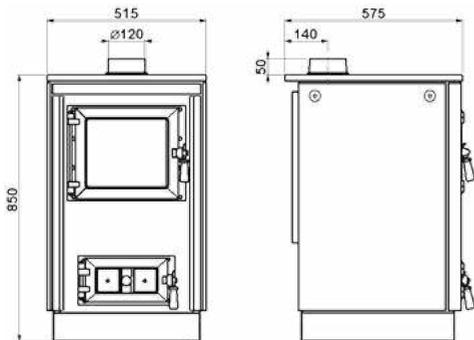




Solid fuel furnace with an oven designed for heating, cooking, and re-heating food.



| | |
|--------------------------|--|
| Output: | 7–9 kW |
| Maximum calorific value: | 150 m ³ |
| Weight: | 130 kg |
| Recommended fuel: | wood briquettes |
| Plate versions: | steel ground |
| Accessories (controls): | metal chromium - plated or titanium in gold |
| Energy efficiency class: | A |



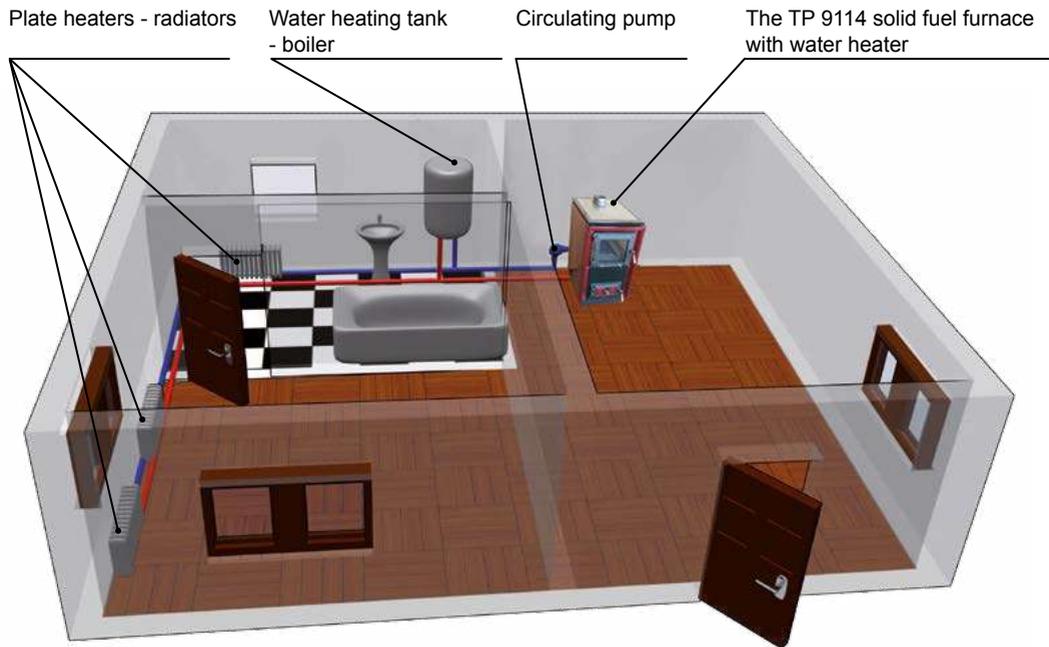
Characteristics

- High calorific value by radiating heat into the space
- Suitable for heating up larger spaces, we recommend placing it into an open space
- You can cook or heat up dishes on the plate
- Large firebox with one fixed grate – for fuel with the diameter of 230 mm and length of 350 mm
- 120 mm chimney outlet can only be positioned from the plate
- A right- or left-sided version (depending on outlets)
- Easy output regulation using primary and secondary air supply
- Burning time without adding fuel can more than 4 hours
- Also available with a hot water heater, see page 20–21
- Colour: beige, burgundy, green, black

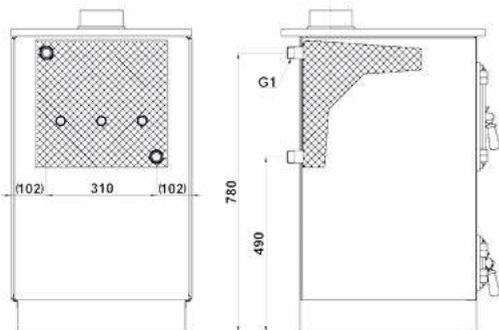
Colour







A possible home installation



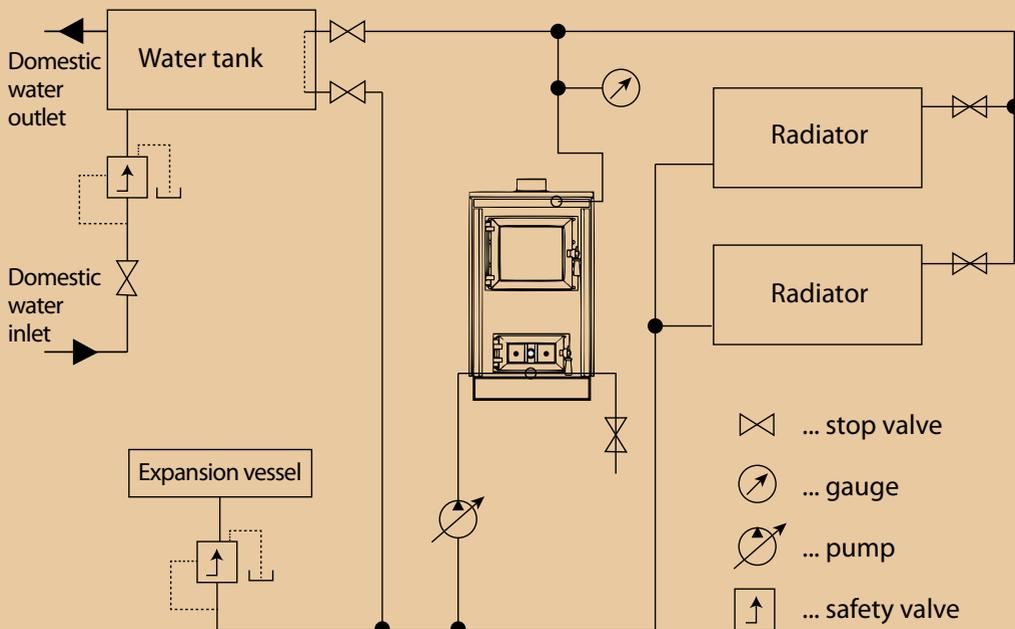
| | |
|--------------------------|--|
| Output into the space: | 4.4 kW |
| Output into water: | 3.4–7 kW |
| Thermal input: | 9.92 kW |
| Maximum calorific value: | 200 m ³ |
| Water heater volume: | 15 litres |
| Water heater outlets: | 1" |
| Recommended fuel: | wood briquettes |
| Chimney outlet: | from the plate throat diameter 120 mm |
| Energy efficiency class: | A |



Colour



Possible connection with an expansion vessel:



Technical specifications:

The 9114-V furnace with hot water heater (exchanger) combines the advantages of a cooking appliance and a central heating boiler.

It is designed to maintain cooking functions while providing the possibility to heat other rooms. An appliance with a hot water heater has a longer service life than appliances without a heater and therefore requires more frequent refuelling and grating during operation. It is not possible to set up continuous burning operation. The appliance is suitable for heating smaller dwellings and cottages.

The furnace has a large single grate (swivel) firebox and an „L“ shaped hot water heater located on the back and sides of the firebox (replacing the fireclay bricks). Outlets to connect to the central heating system are located on the rear wall of the appliance.

Due to the limited space in the stove design, the hot water heater is smaller and therefore provides smaller water volume. We recommend connecting it to a forced circulation circuit (with a pump).

Safety instructions:

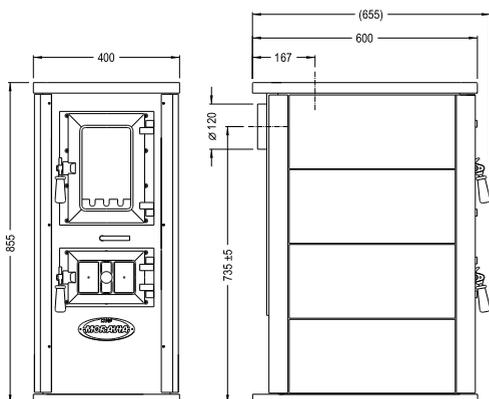
- 1) The appliance must be wired by a professional heating company.
- 2) The appliance must not be operated without a heating medium.
- 3) The heating system must not be connected without a safety valve.



Solid fuel furnace with an oven designed for heating, cooking, and re-heating food.



| | |
|--------------------------|---------------------|
| Output: | 7–9 kW |
| Maximum calorific value: | 150 m ³ |
| Weight: | 121 kg |
| Recommended fuel: | wood briquettes |
| Plate version: | steel ground |
| Accessories (controls): | from lacquered wood |
| Energy efficiency class: | A+ |



Characteristics

- Suitable for heating up large spaces
- High calorific value by radiating heat into the space
- You can cook or re-heat dishes on the plate
- Firebox with a fireclay lining and cast-iron grate – for fuel with meter 150 mm diameter and 270 mm length
- 120 mm chimney outlet can be positioned in the back or from the plate
- Easy output regulation using the primary and secondary air supply
- Burning time without stoking can be up to 4 hours
- Colours of the ceramic tiles: burgundy, green, white, ivory

Colour



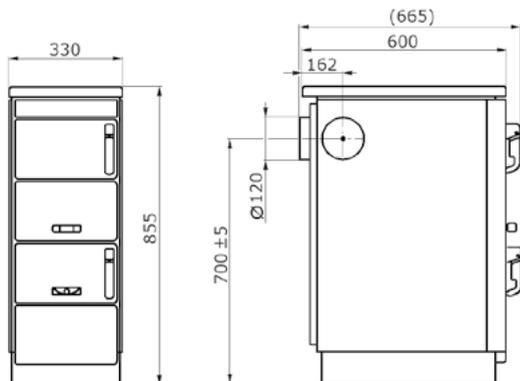




Solid fuel furnace with an oven designed for heating, cooking, and re-heating food.



| | |
|--------------------------|--------------------------|
| Output: | 6–8 kW |
| Maximum calorific value: | 120 m ³ |
| Weight: | 100 kg |
| Recommended fuel: | wood briquettes |
| Plate versions: | steel ground |
| Accessories (controls): | plastic or metal |
| Energy efficiency class: | chromium-plated A |



Characteristics

- High calorific value by radiating heat into the space
- Suitable for heating up smaller spaces, we recommend placing it into an open space
- Firebox with two grates to set up for summer or winter operation mode
- You can cook or heat up dishes on the plate
- 120 mm chimney outlet can be positioned on the back, from the plate or from both sides
- Easy output regulation using primary and secondary air supply
- Colour: white

Colour



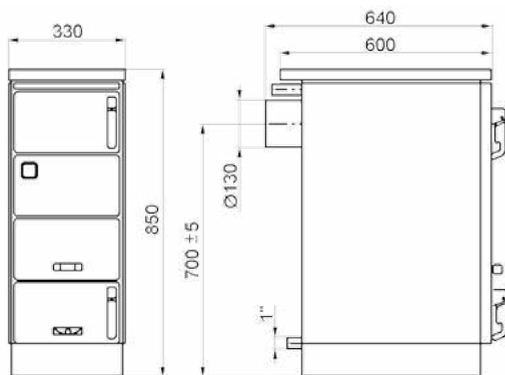




Solid fuel appliance with heat exchanger designed for bunk heating, cooking and re-heating food.



| | |
|--------------------------|---------------------------------|
| Output to the space: | 2–3 kW |
| Output to water: | 5.5 – 7 kW |
| Thermal input: | 10.2 kW |
| Maximum calorific value: | 150 m ³ |
| Weight: | 102 kg |
| Recommended fuel: | wood briquettes |
| Plate versions: | steel sprayed with baking paint |
| Accessories (controls): | plastic |
| Energy efficiency class: | A+ |



Characteristics

- Suitable for heating smaller spaces thanks to its small size
- Its design allows placement in the living area
- You can cook or re-heat dishes on the plate
- 130 mm chimney outlet can be positioned only on the back wall
- Mechanical air supply regulation (primary and secondary air supply)
- Burning time without adding fuel can be more than 4 hours
- Water heater volume: 14 litres
- Water heater outlets: 1"
- Colour: white

Colour







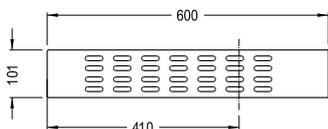
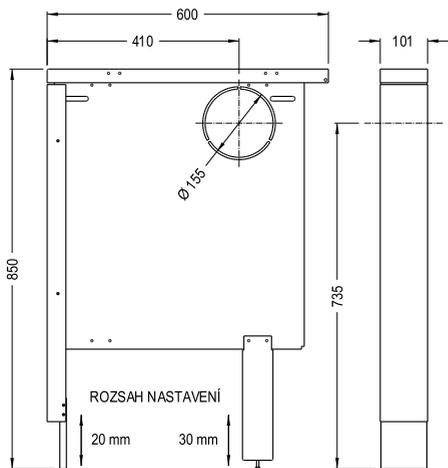
Cooling panel suitable for use with solid fuel appliances in the kitchen cabinet.

The 9118 type dimensions: height 850 mm
× width 101 mm × depth 600 mm

Weight: 8 kg

The version offered: double-sided

Height adjustment: max. 20–30 mm



Characteristics

- Cooling panel to reduce the temperature in the space between the appliance and the kitchen cabinet
- Suitable for the 9100, 9103 and 9112 stove types
- Shape and size seamlessly adhere to the appliance and don't interfere with its overall appearance
- Inner parts are made of galvanized sheet metal and the visible outer parts have a high temperature resistant coating
- Can be positioned on both sides of the appliance (even if the flue is connected from the side)
- Colour: white, beige, burgundy, green, anthracite, black, light grey

Colour



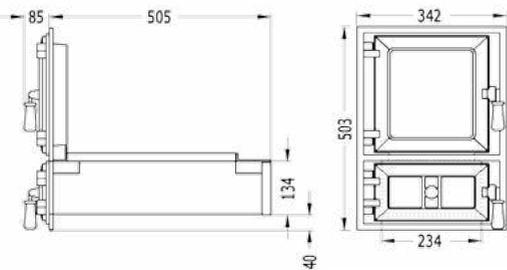




The built-in system is designed for self-construction of stoves or solid fuel furnaces.

| | |
|-------------------------|---------------------------------|
| Output: | 6–10 kW |
| Recommended fuel: | wood briquettes |
| Glass resistance: | 600 °C |
| Accessories (controls): | wooden or metal chromium-plated |

8111-01-000 Firebox

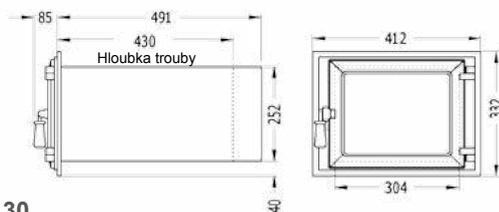


Characteristics

- Firebox equipped with a cast iron grate, ash-tray, glass door and air supply control on the ashtray door
- Equipped with a rack and a baking tray, the glass door is equipped with a thermometer
- Includes a frame for the built-in oven, allowing it to be removed for cleaning

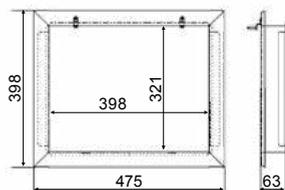
We do not provide professional cooker or stove construction.

8111-05-000 Oven with accessories



30.

8111-05-920 Oven frame



Oven frame



Oven with accessories



Firebox



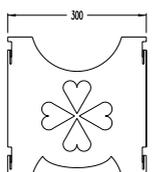
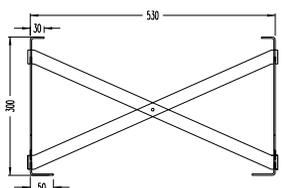
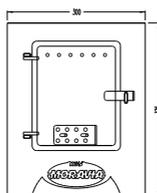
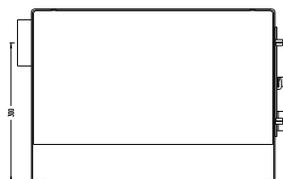
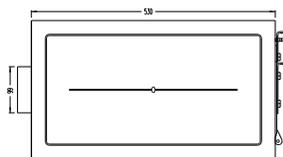


The outdoor multifunctional furnace is designed for cooking, grilling or connection to a smokehouse.



Furnace

Dimensions: height 375 mm × width 300 mm
× depth 530 mm
Inlet opening dimensions: height 215
× width 170 mm
Exhaust duck diameter: 100 mm
Weight: 25 kg
Recommended fuel: wood briquettes
Work surface: steel sprayed plate
or grilling grate



Base:

Dimensions: height 300 × width 300
× height 530 mm
Weight: 5 kg

Characteristics

- Compact design
- Folding base
- Large firebox for wood fuel up to 500 mm long
- Flue pipe connection from the rear wall
- Designed only for outdoor use
- By simply changing the cooking plate or grilling grate, adapts to cooking or grilling
- Can be connected to a smokehouse
- Colour: anthracite

Colour



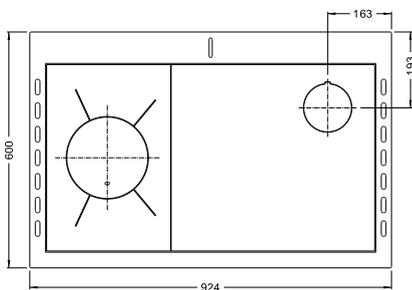




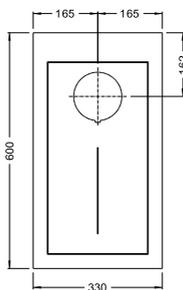


Location of the upper outlet for the flue throat on the stove

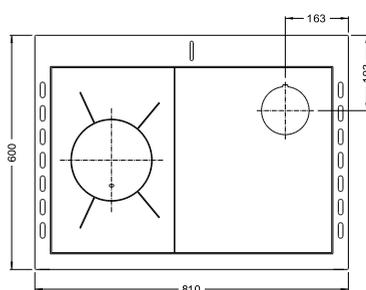
the 9100 / 9112 type



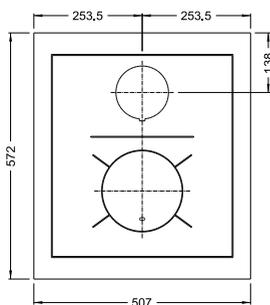
the 9101 type



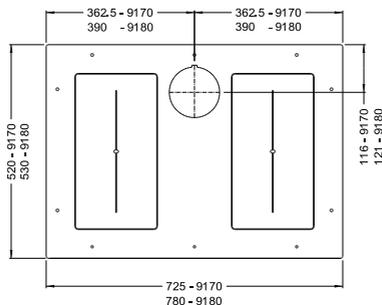
the 9103 type



the 9114 type



the 9170 / 9180 type



the 9190 type

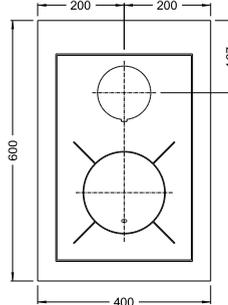
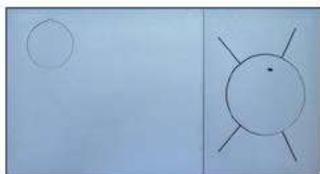
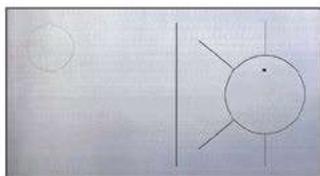


Plate versions for the 9100, 9103, and 9112 stove types



Two-piece steel plate

- Burnishing paint finish



Steel plate

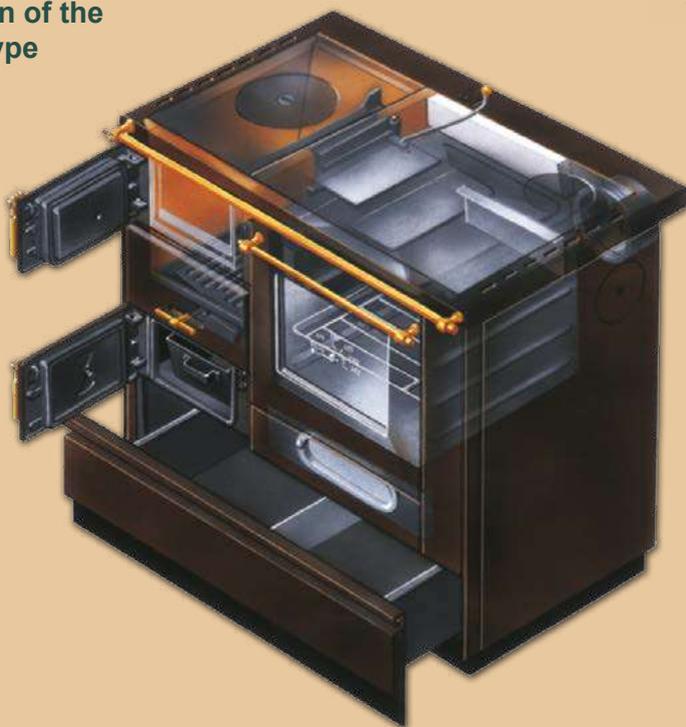
- Ground finish



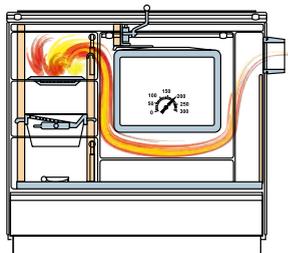
Glass-ceramic plate

- Special tempered glass adapted for direct flame
- The flue pipe from the stove cannot be connected

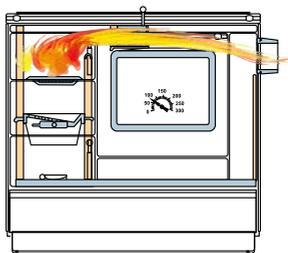
Cross-section of the 9100 stove type



1. Heating on the upper grate

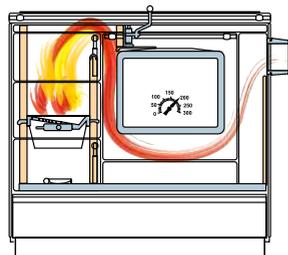


during baking – the flapper is closed

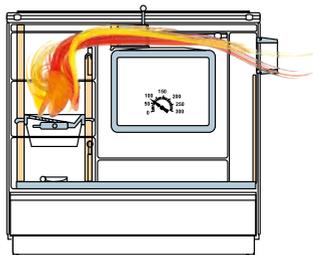


during cooking – the flapper is open

2. Heating on the bottom rotary grate



during baking – the flapper is closed



during cooking – the flapper is open

| Technical specifications | | 9112 | 9112 | 9100 | 9100 | 9103 | 9101 | 9114 | 9114 | 9190 | |
|--|-------------------|------|--------------------|--------------------|--------------------|--------------------|--------------------|---------|---------|---------|---------|
| Name | | Unit | V * | | V * | | | | V * | | |
| Rated heat output (RHO) | | kW | 7,1 | 11,4 | 8,4 | 10,0 | 8,4 | 6,8 | 7,1 | 7,8 | 7,0 |
| Minimum chimney draft | | Pa | 12 | 11 | 11 | 12 | 12 | 11 | 12 | 15 | 12 |
| Appliance dimensions | Height | mm | 850 | 850 | 850 | 850 | 850 | 855 | 850 | 850 | 855 |
| | Width | mm | 924 | 924 | 924 | 924 | 810 | 330 | 515 | 515 | 400 |
| | Depth | mm | 600 | 600 | 600 | 600 | 600 | 600 | 575 | 575 | 600 |
| Oven dimensions | Height | mm | 250 | 250 | 294 | 294 | 294 | | | | |
| | Width | mm | 300 | 300 | 400 | 400 | 400 | | | | |
| | Depth | mm | 430 | 430 | 482 | 482 | 482 | | | | |
| Plate dimensions | Steel double-part | mm | 474x317 474x520 | 474x317 474x520 | 474x317 474x520 | 474x317 474x520 | 474x317 474x406 | | | | |
| | Steel grated | | 474x838 | 474x838 | 474x838 | 474x838 | 474x726 | 486x254 | 467x421 | 467x421 | 311x471 |
| | Steel sprayed | | | | | | | | | | |
| | Glass ceramic | | 475x838 | 475x838 | 475x838 | 475x838 | 475x725 | | | | |
| Firebox dimensions Summer mode | Height | mm | | | 220 | 220 | 220 | 200 | | | |
| | Width | mm | | | 200 | 200 | 200 | 190 | | | |
| | Depth | mm | | | 380 | 380 | 380 | 300 | | | |
| Firebox dimensions Winter mode | Height | mm | 220 | 220 | 360 | 360 | 360 | 360 | 250 | 250 | 350 |
| | Width | mm | 190 | 190 | 200 | 200 | 200 | 190 | 380 | 320** | 225 |
| | Depth | mm | 450 | 450 | 380 | 380 | 380 | 300 | 400 | 400 | 320 |
| Dimensions of the opening for adding wood | Width | mm | 197 | 197 | 192 | 192 | 192 | 192 | 300 | 300 | 160 |
| | Width | mm | 200 | 200 | 130 | 130 | 130 | 130 | 245 | 245 | 175 |
| Average fuel consumption | | mm | 735 | 735 | 735 | 735 | 735 | 700 | | | 735 |
| Průměrná spotřeba paliva | | kg/h | 2 | 3–4 | 2–3 | 3–4 | 2–3 | 2 | 2 | 2–2,5 | 2 |
| Efficiency during RHO | | % | 80,6 | 81,7 | 82,8 | 85,2 | 83,2 | 78,9 | 77,9 | 78,6 | 81,9 |
| Weight | | kg | 175 | 175 | 155 | 158 | 140 | 100 | 130 | 130 | 121 |

All appliances comply with the EKODESIGN (2015/1185) requirements for local solid fuel heaters (2015/1185) and will be able to operate beyond 2022

* Appliance with hot water heater (heat exchanger)

** Depth for glass is 320 mm, depth for the railing is 270 mm

| 9170 | 9180 | 9106 |
|---------|---------|---------|
| | | * |
| 6,6 | 6,6 | 8,4 |
| 12 | 12 | 12 |
| 850 | 850 | 850 |
| 725 | 780 | 330 |
| 520 | 530 | 640 |
| 250 | 250 | |
| 300 | 300 | |
| 430 | 430 | |
| | | |
| | | |
| 520x725 | 530x780 | 254x486 |
| | | |
| | | |
| | | |
| | | |
| 250 | 250 | 490 |
| 185 | 185 | 228 |
| 350 | 350 | 250 |
| 160 | 160 | 192 |
| 200 | 200 | 135 |
| 755 | 755 | 700 |
| 1,8-2 | 1,8-2 | 2,2 |
| 81,5 | 81,5 | 82,7 |
| 107 | 137 | 102 |





Stove pipe
We supply the smoke program

Diameter: 120 mm

Serial no. ZKZ-654XXX



Cast-iron top grate for 9100 and 9103 stove types

Dimensions:
18.5 cm x 38 cm

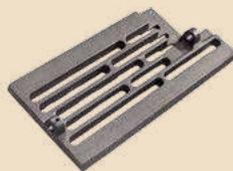
Serial no. 9100-03-083



Shallow tray for 9100 and 9103 stove types

Dimensions:
39.5 cm x 39.5 cm x 2.4 cm

Serial no. 3552.4-10-002



Cast-iron rotary grate for 9100 and 9103 stove types

Dimensions:
14 cm x 30 cm

Serial no. 9100-03-058



Deep tray for 9100 and 9103 stove types

Dimensions:
39.5 cm x 39.5 cm x 6.3 cm

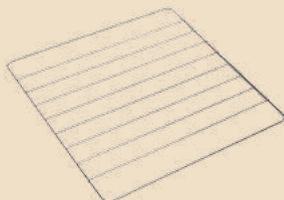
Serial no. 3552.2-10-002



Deep tray for Klaudie 9112 stove type

Dimensions:
29 cm x 41.3 cm x 4.2 cm

Serial no. 8111.2-05-001



Oven rack for 9100 and 9103 stove types

Dimensions:
39.5 cm x 39.5 cm

Serial no. 3502.0-10-800



Cast-iron head for 9100 and 9103 stove type

Dimensions:
41 cm x 9 cm x 4.8 cm

Serial no. 9100-06-061









KVS EKODIVIZE a.s., Branch plant Dvorce – the manufacturer of KVS MORAVIA stoves

Address:

KVS EKODIVIZE a.s., závod Dvorce
Opavská 272
793 68 Dvorce

tel.: +420 554 797 147
+420 554 797 111

e-mail: prodej.dvorce@kvs-ekodivize.cz

www.kvs-moravia.cz
www.kvs-ekodivize.cz



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