



TECHNICAL SHEET of the fireplace stove **Adria Max**

Suitable fuel:

As concerns suitable fuel to be employed, see the chapter **2.2 Fuel** in the General Manual of Operation.

Proper operation:

As concerns the proper and safe operation of the fireplace stove, see the chapters **2. Description of the combustion process** and **5. Operating instructions** in the General Manual of Operation.

An exchanger can be added additionally.

| Ordering number of the shaped block | Dimension | Ordering number of the shaped block | Dimension |
|-------------------------------------|------------|-------------------------------------|------------|
| 126 | 420x166x30 | 179 | 260x135x30 |
| 176 | 400x210x30 | 180 | 230x65x30 |
| 177 | 420x225x30 | | |
| 178 | 290x100x30 | | |

INSTRUCTIONS FOR THE CONTROL OF COMBUSTION PROCESS:

| Fuel | Output of the heating device | | Output of the heating device | | Output of the heating device | | Output of the heating device | |
|------------------------------|------------------------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|-----|
| | 100% | 33% | 100% | 33% | 100% | 33% | 100% | 33% |
| | Amount of fuel | | Primary air | | Secondary air | | Tertiary air | |
| Blockwood | 3,3 kg/h | 1,1 kg/h | open 100% | open 33% | open 100% | open 33% | non-controllable | |
| Ecological briquettes | 3,5 kg/h | 1,2 kg/h | open 100% | open 33% | open 100% | open 33% | non-controllable | |
| Coal briquettes | 2,2 kg/h | 0,7 kg/h | open 100% | open 33% | open 50% | open 33% | non-controllable | |

TECHNICAL DESCRIPTION:

| Position | Name | Position | Name | Position | Name |
|----------|------------------|----------|---------------------------------|---|-----------------------------|
| 1 | Stove body | 10 | Controller of primary air | 19 | Spring holder of the lining |
| 2 | Fire-box door | 11 | Controller of secondary air | 20 | Lining of the shell |
| 3 | Oven | 12 | Intake of tertiary air | 21 | Lining of the oven |
| 4 | Fuel bunker | 13 | Intake of secondary air | | |
| 5 | Fire-clay lining | 14 | Lever lock of the fire-box door | | |
| 6 | Smoke flue neck | 15 | Refractory glass | | |
| 7 | Ash pan | 16 | Blinding element with shutter | | |
| 8 | Protection | 17 | Upper lip - fixed | Sealing cord of the door 10 mm | |
| 9 | Cast-iron grate | 18 | Holder of the fire-clay | Sealing cord of the glass and of the blind flange 10x4 mm | |

TECHNICAL DATA:

| | Wood | Ecological briquettes | Coal briquettes | | |
|---|----------|-----------------------|-----------------|---|-------------------------|
| Achieved heat output (100%) | 11,6 kW | 10,5 kW | 10 kW | Height | 1200 mm |
| Nominal heat output | 11,5 kW | 11 kW | 10 kW | Width | 646 mm |
| Reduced heat output (33%) | 3,8 kW | 3,5 kW | 3,3 kW | Depth | 466 mm |
| Maximum stoking amount of the fuel | 3,3 kg/h | 3,5 kg/h | 2,2 kg/h | Weight | 164 kg |
| Average temperature of combustion products behind the smoke flue neck | 307 °C | 360 °C | 264 °C | Diameter of the smoke flue | 150 mm |
| Maximum mass flow of dry combustion products | 8,5 g/s | 9,4 g/s | 12,2 g/s | Min. chimney stack draught in the smoke flue neck | 12 Pa |
| Energy efficiency | 77,6 % | 70,1 % | 68,7 % | Heating capacity (middle heat losses) at 11,6 kW | cca. 210 m ³ |
| Average concentration of CO ₂ | 11,4 | 10,5 | 8,3 | Range of outputs | 3,3 - 11,6 kW |
| Concentration of CO in combustion products | 0,3 | 0,4 | 0,11 | | |

**DIMENSIONED DIAGRAM OF THE FIREPLACE STOVE WITH
INSTALLATION OF KNEE-PIECE FOR EXHAUST OF COMBUSTION
PRODUCTS, DELIVERED AS OPTIONAL ACCESSORY**

