



## TECHNICAL SHEET of the fireplace stove **Hvozdk II**

### 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.

Ordering number of the shaped block	Dimension	Ordering number of the shaped block	Dimension
73	150x18x30		
210	350x287x30		
212	296x65x30		
224	362x280x30		

### INSTRUCTIONS FOR THE CONTROL OF COMBUSTION PROCESS:

Fuel	Output of the heating device		Output of the heating device		Output of the heating device	
	100%	33%	100%	33%	100%	33%
	Amount of fuel		Primary air		Secondary air	
<b>Blockwood</b>	2 kg/h	0,7 kg/h	open 10 %	open 10%	non-controllable	
<b>Ecological briquettes</b>	2,1 kg/h	0,7 kg/h	open 30 %	open 30%	non-controllable	
<b>Coal briquettes</b>	1,4 kg/h	0,5 kg/h	open 90 %	open 50%	non-controllable	

### TECHNICAL DESCRIPTION:

Position	Name	Position	Name	Position	Name
1	Stove body	10	Controller of primary air	19	Covering metal sheet
2	Fire-box door	11	Intake of secondary air (non-controllable)		
3	Fuel bunker	12	Holder of the fire-clay - fixed		
4	Ash pan	13	Fire-clay lining		
5	Smoke flue neck	14	Lateral lining		
6	Grate	15	Lower lip - fixed		
7	Protection	16	Rear lip - fixed		
8	Lever lock of the fire-box door	17	Plate	Sealing cord of the door 10 mm	
9	Refractory glass	18	Spring holder of the lining	Sealing cord of the glass 10x4 mm	

### TECHNICAL DATA:

	Wood	Ecological briquettes	Coal briquettes		
Achieved heat output (100%)	7,1 kW	7,1 kW	6,7 kW	Height	800 mm
Nominal heat output	7 kW	7 kW	7 kW	Width	456 mm
Reduced heat output (33%)	2,3 kW	2,3 kW	2,2 kW	Depth	384 mm
Maximum stoking amount of the fuel	2 kg/h	2,1 kg/h	1,4 kg/h	Weight	76 kg
Average temperature of combustion products behind the smoke flue neck	397 °C	410 °C	381 °C	Diameter of the smoke flue	130 mm
Maximum mass flow of dry combustion products	5,6 g/s	6,9 g/s	8,6 g/s	Min. chimney stack draught in the smoke flue neck	12 Pa
Energy efficiency	80 %	76 %	70,4 %	Heating capacity (middle heat losses) at 7,1 kW	cca. 130 m <sup>3</sup>
Average concentration of CO <sub>2</sub>	10,7	9,3	7,1	Range of outputs	2,2 - 7,1 kW
Concentration of CO in combustion products	0,14	0,08	0,14		