



Vermiculite lining

TECHNICAL SHEET of the fireplace stove **Inary**

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
185	540x290x30		
184	540x290x30		
183	400x120x30		
182	390x160x30		

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	
Blockwood	2,3 kg/h	0,8 kg/h	shut	shut	open 50%	open 33%
Ecological briquettes	2,5 kg/h	0,8 kg/h	shut	shut	open 50%	open 33%
Coal briquettes	1,6 kg/h	0,5 kg/h	open 50%	open 33%	shut	shut

TECHNICAL DESCRIPTION:

Position	Name	Position	Name	Position	Name
1	Stove body	10	Controller of primary air	19	Decorative screw - lining
2	Fire-box door	11	Controller of secondary air	20	Lining of the shell - glass
3	Vermiculite lining	12	Intake of secondary air	21	Upper lining
4	Smoke flue neck	13	Lever lock of the fire-box door	22	Covering metal sheet
5	Ash pan	14	Refractory glass		
6	Protection	15	Middle lip - loose		
7	Cast-iron grate	16	Lower lip - loose (vermiculite)		
8	Revolving section of the cast-iron grate	17	Upper lip - fixed	Sealing cord of the door 10 mm	
9	Control drawbar of the revolving grate	18	Holder of the vermiculite	Sealing cord of the glass 6 mm	

TECHNICAL DATA:

	Wood	Ecological briquettes	Coal briquettes		
Achieved heat output (100%)	8,5 kW	9,1 kW	8,6 kW	Height	1188 mm
Nominal heat output	8 kW	9 kW	8 kW	Width	550 mm
Reduced heat output (33%)	2,8 kW	3 kW	2,8 kW	Depth	565 mm
Maximum stoking amount of the fuel	2,3 kg/h	2,5 kg/h	1,6 kg/h	Diameter of the smoke flue	150 mm
Average temperature of combustion products behind the smoke flue neck	251 °C	255 °C	215 °C	Weight	147 kg
Maximum mass flow of dry combustion products	7,4 g/s	7,3 g/s	7,7 g/s	Min. chimney stack draught in the smoke flue neck	12 Pa
Energy efficiency	81 %	81 %	82,5 %	Heating capacity (middle heat losses) at 9,1 kW	cca. 160 m ³
Average concentration of CO ₂	9,7	10,3	8,5	Range of outputs	2,8 - 9,1 kW
Concentration of CO in combustion products	0,13	0,18	0,34		

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

