



Fire-clay lining

TECHNICAL SHEET of the fireplace stove **Odense**

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
193	300x162x30	207	260x40x30
194	196x125x30		
195	235x95x30		
196	300x170x30		

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	3,4 kg/h	1,1 kg/h	open 20%	open 10%	open 50%	open 50%
Ecological briquettes	3,4 kg/h	1,2 kg/h	open 20%	open 10%	open 100%	open 30%
Coal briquettes	2,4 kg/h	0,8 kg/h	open 25%	open 20%	open 100%	open 30%

TECHNICAL DESCRIPTION:

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

TECHNICAL DATA:

	Wood	Ecological briquettes	Coal briquettes		
Achieved heat output (100%)	11,1 kW	11,1 kW	10,3 kW	Height	1051 mm
Nominal heat output	11 kW	11 kW	11 kW	Width	605 mm
Reduced heat output (33%)	3,7 kW	3,7 kW	3,4 kW	Depth	405 mm
Maximum stoking amount of the fuel	3,4 kg/h	3,4 kg/h	2,4 kg/h	Diameter of the smoke flue	150 mm
Average temperature of combustion products behind the smoke flue neck	362 °C	367 °C	362 °C	Weight	104 kg
Maximum mass flow of dry combustion products	8,7 g/s	9,6 g/s	13,6 g/s	Min. chimney stack draught in the smoke flue neck	12 Pa
Energy efficiency	70,9 %	71,9 %	64,2 %	Heating capacity (middle heat losses) at 11,1 kW	cca. 200 m ³
Average concentration of CO ₂	11,6	10,8	7,3	Range of outputs	3,4 - 11,1 kW
Concentration of CO in combustion products	0,6	0,15	0,3		

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

