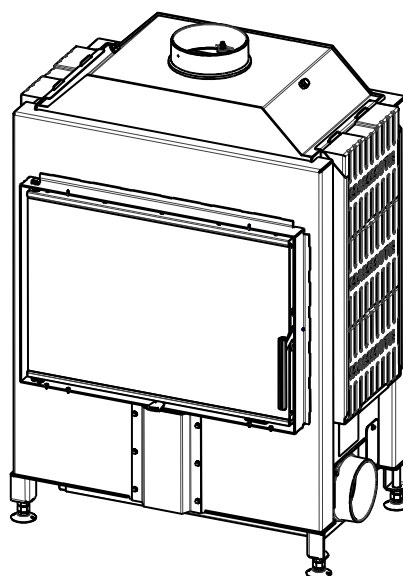
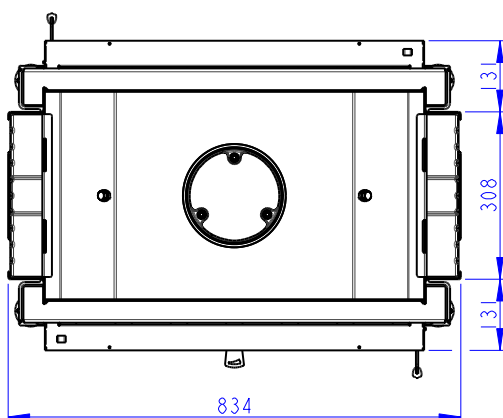
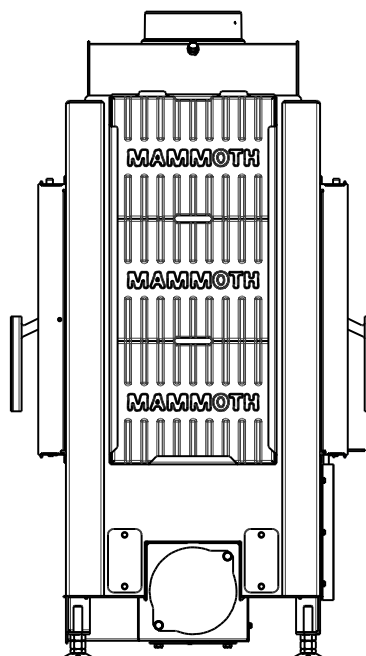
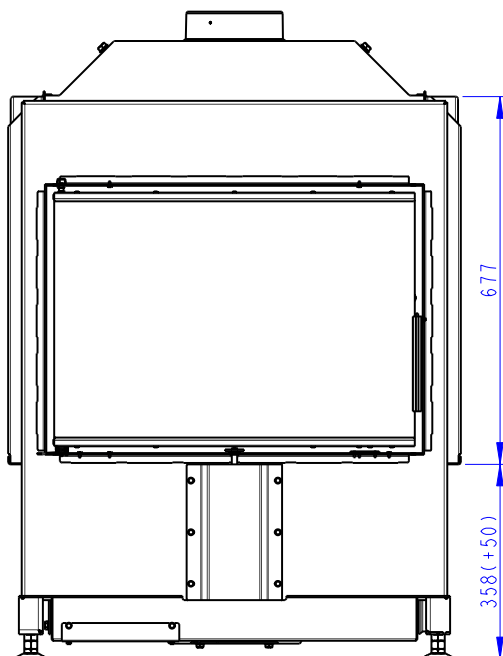
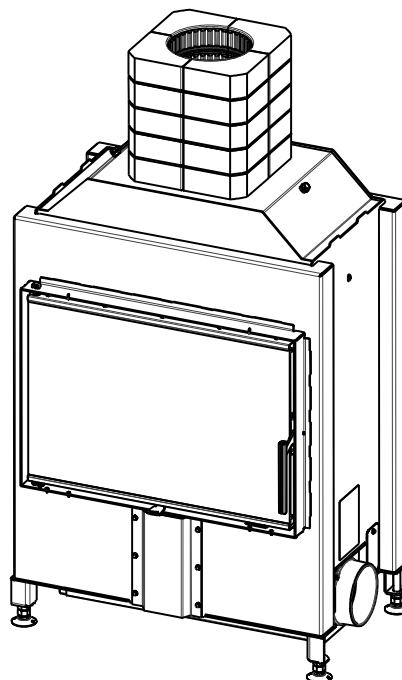
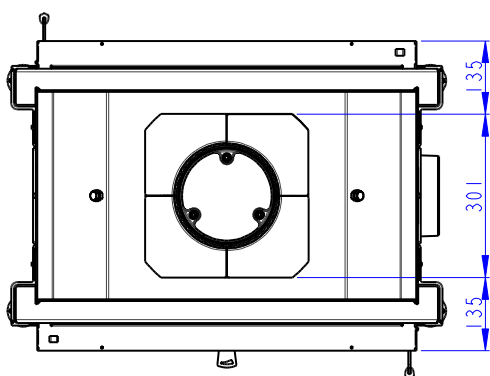
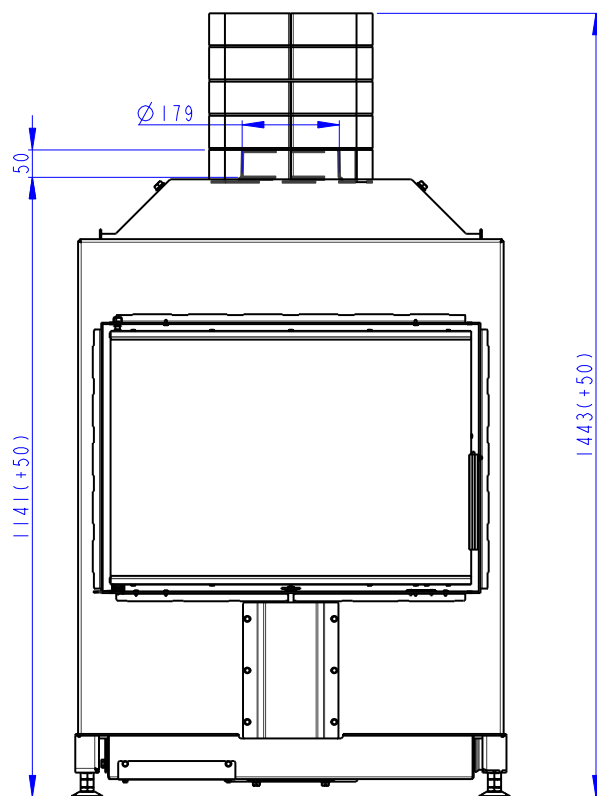
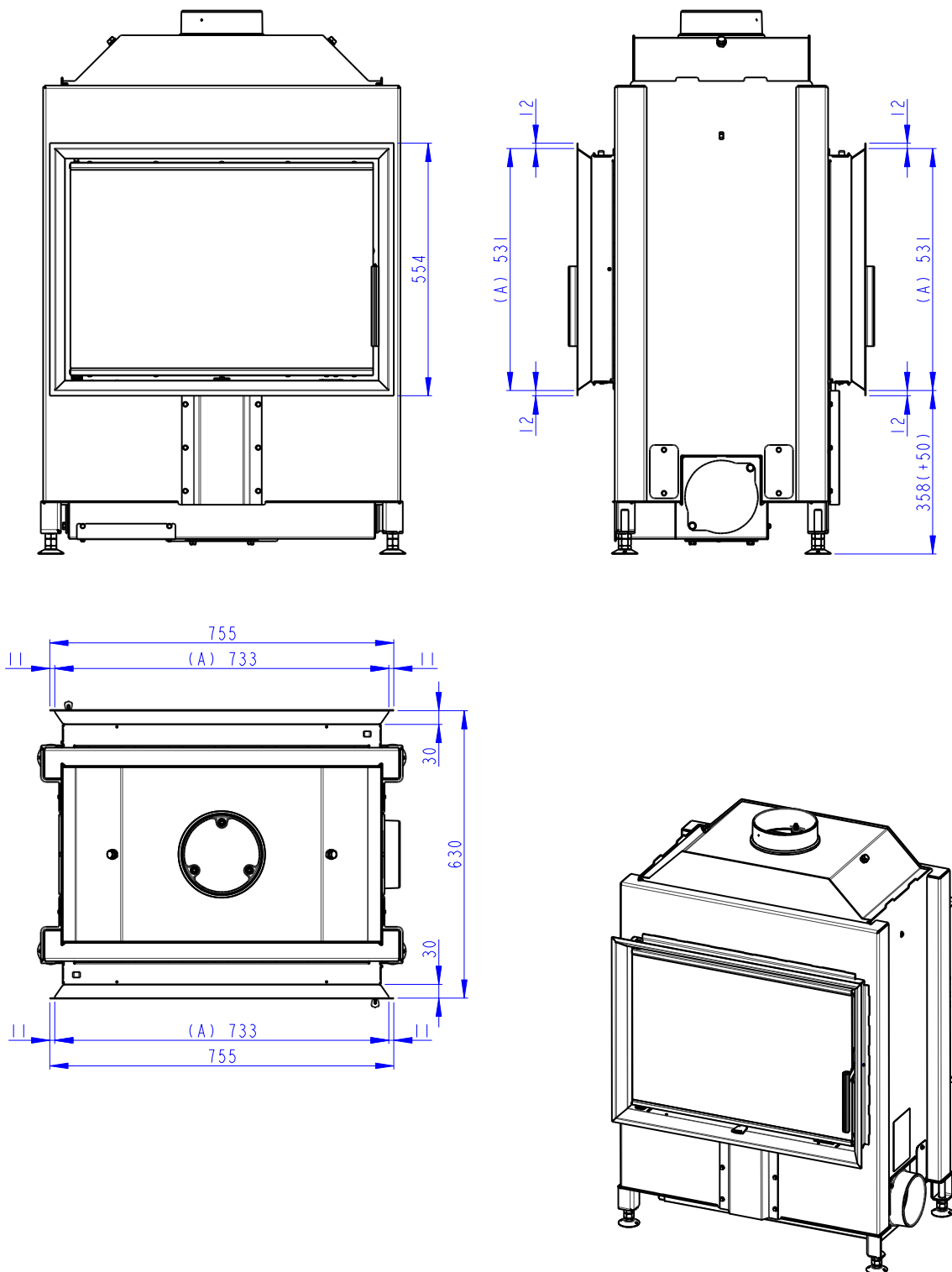
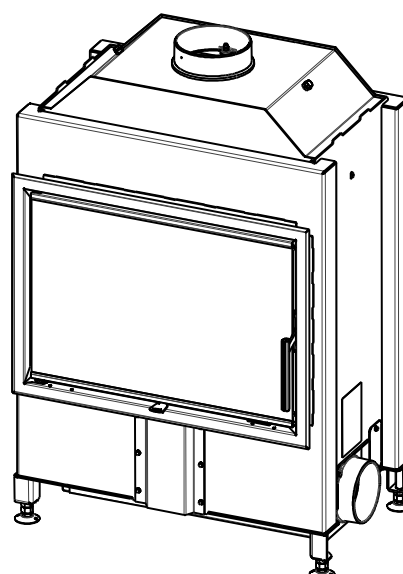
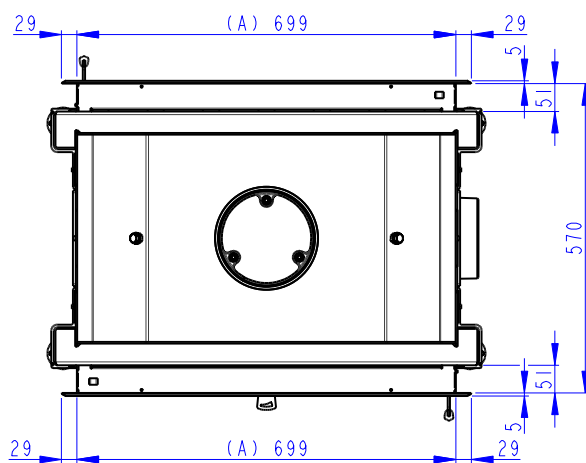
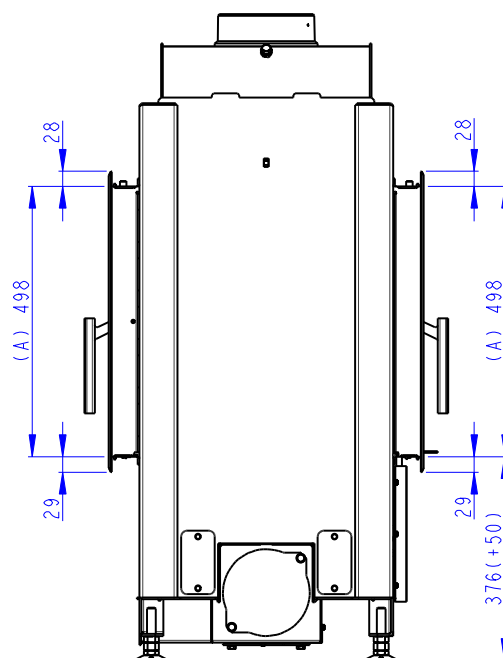
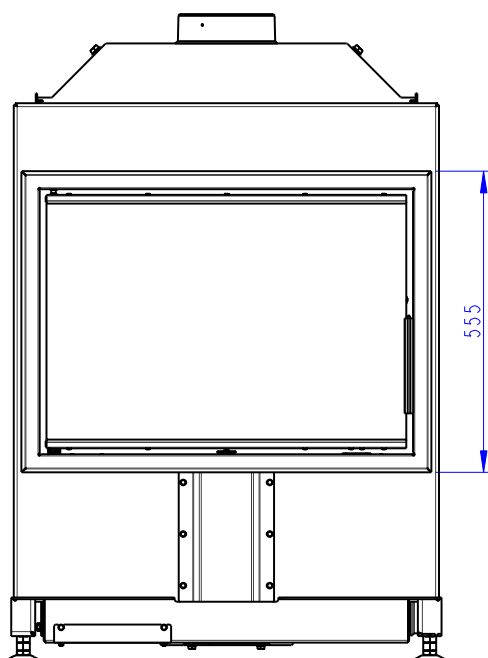


- (A) Zastavbovy rozmer / Baumaße / In-built dimension
- (B) Litinový odvod kouře / Cast iron spigot / Der gusseiserne Rauchabgang
- (C) Centralní privod vzduchu / Central air inlet / Zentralluftzufuhr
- (D) Primární a sekundární vzduch / Primary and secondary air / Primärluft und Sekundärluft
- (L) Volna plocha prosklení / Free glass area / Freie Glassichtfläche / Surface en verre libre









**Declared qualities stated**

 Harmonised technical specification ✓ EN 16510-1 ed.2:2023 | EN 16510-2-2:2022 ✓ Ecodesign ✓ DIN+ ✓ BlmSchV2 ✓ 15a B-VG 2015

Classification of appliance	Type BE			
		Nominal heat output (nom)	Part load heat output (part)	
Energy efficiency	$\eta_{nom}   \eta_{part}$	82	---	%
Seasonal space heating energy efficiency at nominal heat output	$\eta_{snom}   \eta_{s part}$	72	---	%
Energy Efficiency Index	EEI	109		
Energy label		A+		
Fuel		Wood logs		
Fuel length		250-400		mm
Average fuel consumption		2,2	---	kg/h
Allowed fuel dose		3,1		kg/h
Fuel supply interval		1 hour		
Amount of combustion air		27,9		m <sup>3</sup> /h
Nominal heat output	$P_{nom}   P_{part}$	7,9	---	kW
Hot-water exchanger nominal heat output	$P_{Wnom}   P_{Wpart}$	---	---	kW
Maximum water operating pressure	$P_W$	---		bar
Dry flue gas mass flow rate	$\Phi_{f, g nom}   \Phi_{f, g part}$	6,2	---	g/s
Average flue gas temperature		246	---	°C
Flue gas outlet temperature	$T_{snom}   T_{s part}$	295	---	°C
Flue draught	$P_{nom}   P_{part}$	12	---	Pa
Chimney temperature class		T400		
Connection to the common chimney		Yes		
Storage of fuel in the wood shed area		No		
Maximum warming of the wood in the wood shed		---		°C
Dust O <sub>2</sub> = 13 %	$PM_{nom}   PM_{part}$	25	---	mg/Nm <sup>3</sup>
Emissions of gases of combustion (CO in the flue gases at O <sub>2</sub> = 13 %)	$CO_{nom}   CO_{part}$	0,0890 1113	---	% mg/Nm <sup>3</sup>
OGC O <sub>2</sub> = 13 %	$OGC_{nom}   OGC_{part}$	52	---	mg/Nm <sup>3</sup>
NO <sub>x</sub> O <sub>2</sub> = 13 %	$NO_{xnom}   NO_{x part}$	107	---	mg/Nm <sup>3</sup>
Automatic regulation unit of burning		---	---	
Electricity consumption in standby mode	$e_{lsb}$	---		kW
Electricity consumption	$e_{lmax}   e_{lmin}$	---	---	kW
Standing air loss	$V_h$	---		m <sup>3</sup> /h
Intermittent operation   Continuous operation	INT   CON	INT		

**Basic technical data**

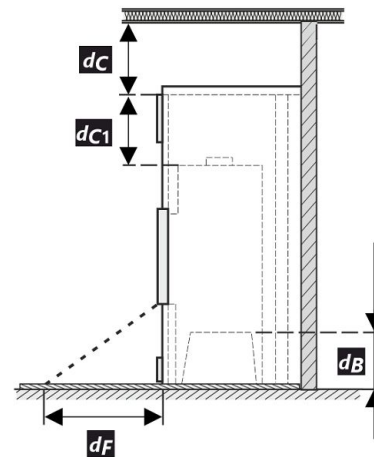
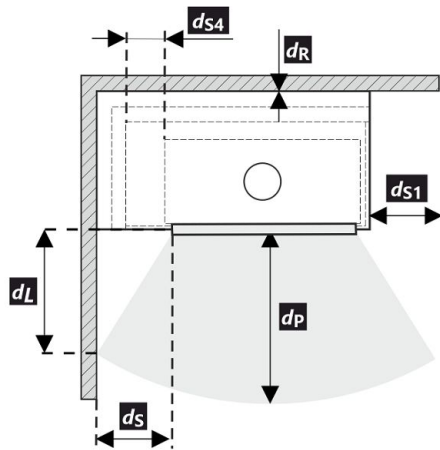
Principal dimensions (Height   Width   Length)	H   W   L	1192   808   570	mm
Combustion chamber dimensions	H   W   L	472   628   390	mm
Fireplace door dimensions	H   W   L	467   664   ---	mm
Axis height of the rear (side) outlet		---	mm
Volume of hot-water exchanger		---	l
Flue diameter		150-180	mm
Diameter of flue throat	$d_{out}$	180	mm
Diameter of external air connection		150	mm
Maximum length (pipe) of external air intake		6000	mm
Weight	m	190	kg

**Heat capacity**
**minimum size of the room of appliance installation**

Insulation of the house – very good (20 W/m <sup>3</sup> )	e.g. new, insulated house / permanently inhabited	258	m <sup>3</sup>
Insulation of the house – good (22,5 W/m <sup>3</sup> )		229	m <sup>3</sup>
Insulation of the house – middle (32 W/m <sup>3</sup> )		161	m <sup>3</sup>
Insulation of the house – bad (45 W/m <sup>3</sup> )		115	m <sup>3</sup>
Insulation of the house – very bad (50 W/m <sup>3</sup> )	e.g. old, uninsulated house / cottage / chalet	103	m <sup>3</sup>

**Distances from flammable materials**
**Note**

Back	$d_R$		800	mm
Front	$d_P$   $d_{P1}$		800	---
Front to the floor	$d_F$   $d_{F1}$		---	---
Side	$d_S$   $d_{S1}$	*	400	---
Side – niche	$d_{S2}$		---	mm
Side – location 45°	$d_{S3}$		---	mm
Side radiation	$d_L$   $d_{L1}$		---	---
From the floor	$d_B$		---	mm
From the ceiling	$d_C$		800	mm
From the back and side edge of the fireplace insert to the inside of the insulation	$d_{S4}$	*	120	mm



All local regulations, including regulations relating to national and European standards, must be observed during the installation and operation of the product.

In case 65 K is not superseded due to radiation on the floor in front and/or on the side walls,  $d_F$  and/or  $d_L$  are 0 mm.

- \* If the distance from the door glass to the combustible side wall is  $d_S < 400$  mm and must not be  $d_{S4} < 120$  mm, this wall must be protected by a SILCA 250 (SILCA® 250SB, thickness 2x50 mm) or can be replaced by an adequate substitute.

Legend	Note	Description	Material	Dimension
1		Appliance	230F 0000 006	
2		Flue gas outlet	metal	DN150-180
3		Insulation of the flue gas connection		
4		Mineral insulation		
5		Convection air space around the appliance		
6		Protective insulation of walls	SILCA 250	2x50 mm
6A		Protective ceiling insulation	SILCA 250	80 mm
7		Protective wall	hollow burnt brick	100 mm
8		Combustible wall		

<b>9</b>	Concrete slab		
<b>10</b>	Combustible floor		
<b>11</b>	Decorative / ornamental beam		
<b>12</b>	Beam with ventilation air gap		
<b>13</b>	Convection air inlet		600 cm <sup>2</sup>
<b>14</b>	Convection air outlet		800 cm <sup>2</sup>
<b>15</b>	Lining	SILCA 250	40 mm
<b>16</b>	Support frame		
<b>17</b>	Combustible ceiling		
<b>18</b>	Protective insulation board for combustible floors	SILCA 250	40 mm
<b>19</b>	Combustion air regulation		
<b>20</b>	Sheet metal cover if mineral wool is used		
<b>21</b>	If necessary, a floor protection plate under the appliance		
<b>d<sub>c</sub></b>	From the top of the exhaust vent to the combustible ceiling		800 mm
<b>d<sub>c1</sub></b>	- From the top of the fireplace insert to the underside of the ceiling insulation		300 mm
	- In the case of an installed heat exchanger from the top edge of the heat exchanger to the underside of the ceiling insulation		--- mm
<b>d<sub>s4</sub></b>	* From the back and side edge of the fireplace insert to the inside of the insulation		120 mm
<b>d<sub>ss</sub></b>	From the front edge of the fireplace insert to the inside of the insulation		10 mm
<b>d<sub>B</sub></b>	From the bottom of the fireplace insert to the fireproof floor		--- mm

**Caution:** Fire protection / insulation boards SILCA® 250SB can be replaced by a suitable nonflammable material with a thermal conductivity ( $\lambda$ )  $\leq 1,1 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ .

Protective wall – hollow burnt brick (thickness 100 mm) can be replaced by a suitable nonflammable material with a thermal conductivity ( $\lambda$ )  $\leq 0,36 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$ .

