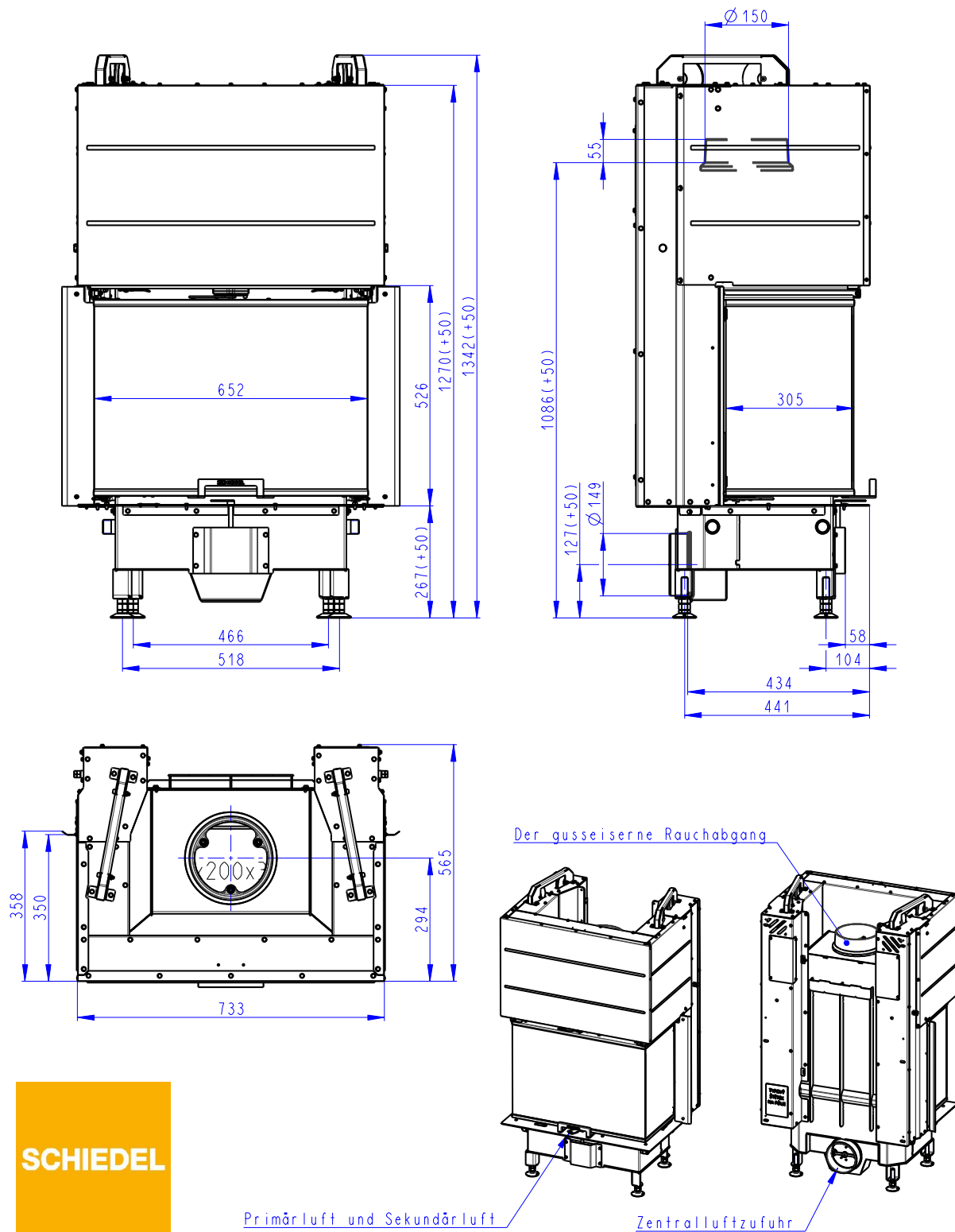




Declared qualities stated

Harmonised technical specification				✓ EN 16510-1 ed.2:2023 EN 16510-2-2:2022				✓ Ecodesign				✓ DIN+				✓ BImSchV2				✓ 15a B-VG 2015			
Classification of appliance				Type BE																			
				Nominal heat output (nom)				Part load heat output (part)															
Energy efficiency	$\eta_{\text{nom}} \eta_{\text{part}}$			82				---															
Seasonal space heating energy efficiency at nominal heat output	$\eta_{\text{Snom}} \eta_{\text{Spart}}$			72				---															
Energy Efficiency Index	EEI			109																			
Energy label				A+																			
Fuel				Wood logs																			
Fuel length				250-350																			
Average fuel consumption				2,20				---															
Allowed fuel dose				3,0																			
Fuel supply interval				1 hour																			
Base layer of fuel				0,22				---															
Criterion for the end of the test cycle				4,0				---															
Amount of combustion air				27,9																			
Nominal heat output	$P_{\text{nom}} P_{\text{part}}$			7,8				---															
Hot-water exchanger nominal heat output	$P_{\text{Wnom}} P_{\text{Wpart}}$			---				---															
Maximum water operating pressure	P_{W}			---																			
Dry flue gas mass flow rate	$\Phi_{\text{f,g nom}} \Phi_{\text{f,g part}}$			6,0				---															
Flue gas outlet temperature	$T_{\text{Snom}} T_{\text{Spart}}$			268				---															
Flue draught	$P_{\text{nom}} P_{\text{part}}$			12				---															
Chimney temperature class				T400																			
Connection to the common chimney				No																			
Storage of fuel in the wood shed area				No																			
Maximum warming of the wood in the wood shed				---																			
Dust $O_2 = 13 \%$	$PM_{\text{nom}} PM_{\text{part}}$			38				---															
CO_2				9,09				---															
Emissions of gases of combustion (CO in the flue gases at $O_2 = 13 \%$)	$CO_{\text{nom}} CO_{\text{part}}$			0,0946 1182				---															
OGC $O_2 = 13 \%$	$OGC_{\text{nom}} OGC_{\text{part}}$			42				---															
$NO_x O_2 = 13 \%$	$NO_{xnom} NO_{xpart}$			83				---															
Automatic regulation unit of burning				---				---															
Electricity consumption in standby mode	el_{SB}			---																			
Electricity consumption	$el_{\text{max}} el_{\text{min}}$			---				---															
Intermittent operation Continuous operation	INT CON			INT																			

Basic technical data

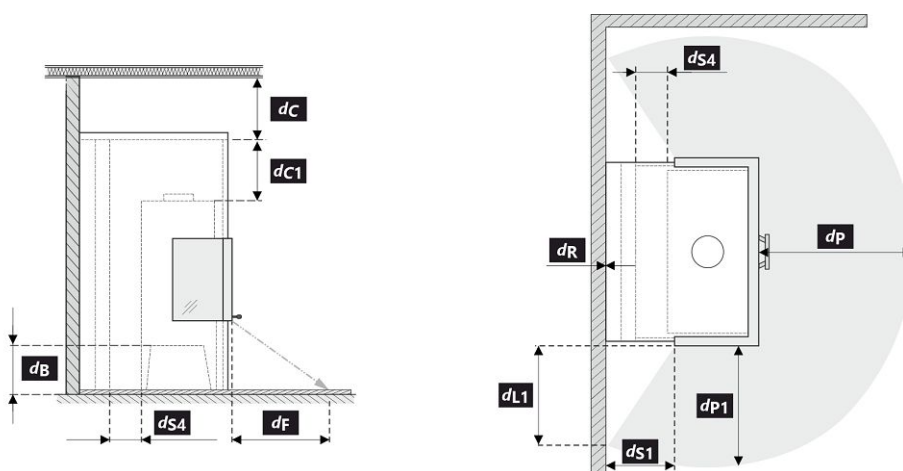
Principal dimensions (Height Width Length)	H W L	1341 805 574	mm
Combustion chamber dimensions	H W L	546 476 387	mm
Fireplace door dimensions	H W L	468 654 305	mm
Axis height of the rear (side) outlet		---	mm
Volume of hot-water exchanger		---	l
Flue diameter		150-200	mm
Diameter of flue throat	d_{out}	200	mm
Diameter of external air connection		150	mm
Maximum length (pipe) of external air intake		6000	mm
Weight	m	205	kg

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

Insulation of the house – very good (20 W/m ³)	e.g. new, insulated house / permanently inhabited	256	m ³
Insulation of the house – good (22,5 W/m ³)		228	m ³
Insulation of the house – middle (32 W/m ³)		160	m ³
Insulation of the house – bad (45 W/m ³)		114	m ³
Insulation of the house – very bad (50 W/m ³)	e.g. old, uninsulated house / cottage / chalet	102	m ³

Distances from flammable materials**Note**

Back	d _R	0		mm
Front	d _P d _{P1}	1200	800	mm
Front to the floor	d _F d _{F1}	500	460	mm
Side	d _S d _{S1}	800	440	mm
Side – niche	d _{S2}	---		mm
Side – location 45°	d _{S3}	---		mm
Side radiation	d _L d _{L1}	0	0	mm
From the floor	d _B	50		mm
From the ceiling	d _C	500		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.

Legend	Note	Description	Material	Dimension
1		Appliance	153V 0000 001	
2		Flue gas outlet	metal	DN150-200
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		
9		Concrete slab		
10		Combustible floor		
11		Decorative / ornamental beam		
12		Beam with ventilation air gap		
13		Convection air inlet		600 cm ²

14	Convection air outlet		800 cm ²
15	Lining	SILCA 250	40 mm
16	Support frame		
17	Combustible ceiling		
18	Protective insulation board for combustible floors	SILCA 250	40 mm
19	Combustion air regulation		
20	Sheet metal cover if mineral wool is used		
21	If necessary, a floor protection plate under the appliance		
d_c	From the top of the exhaust vent to the combustible ceiling		500 mm
d_{c1}	– From the top of the fireplace insert to the underside of the ceiling insulation – In the case of an installed heat exchanger from the top edge of the heat exchanger to the underside of the ceiling insulation		300 mm 200 mm
d_{s4}	From the back and side edge of the fireplace insert to the inside of the insulation		120 mm
d_{s5}	From the front edge of the fireplace insert to the inside of the insulation		10 mm
d_B	From the bottom of the fireplace insert to the fireproof floor		50 mm

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

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

