

# Lina 8770 h

## Data sheet

### Details

- Fireplace insert, open on one side
- 8770 – Height 70 cm
- Self-closing door
- Adjustable lower air washing
- Standard fire box inner lining: smooth natural vermiculite
- High-grade cast-iron dome, all parts can be moved, adjustable between 0 – 90°
- Overall height can be simply and quickly adjusted
- Easy to dismantle for transport

### Technical data

Nominal heat output	19 kW
Thermal output range	8.0 – 19.2 kW
Efficiency	>78%
Insulation thickness (with wall that does not need to be protected) (based on SILCA® 250KM)	60 mm
Combustion air connector	Ø 150 mm
Recommend length of logs	33 cm
Weight	350 kg
Heat distribution through the viewing window	35%
Heat distribution, convective output	65%

**Data for chimney sweep** according to DIN EN 13384 (closed operation)

### Triple values with nominal heat output

Flue gas mass flow	17.8 g/s
Flue gas temperature	263 °C
Required delivery pressure	12 Pa

### Triple values for calculating ceramic flues (wood fuel)

Firing power	–
Flue gas mass flow	–
Flue gas temperature upstream of the connecting surface	–
Required delivery pressure at the flue gas connector	–
Combustion air requirement	–
Recommended flue length <sup>1</sup>	–

### Data for closed design

Minimum heat-emitting surface <sup>2</sup>	7.6 m <sup>2</sup>
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Lina 8770 with guillotine front

### Standard



Kristall front



Guillotine door



Combustion air connector

### Optional



Double glazing



Combustion air connector



External fuel-door



Frame

### Accessories



SMR

<sup>1</sup>The information regarding flue lengths is a recommendation and based on the calculation in accordance with Tröl 2020 chapter 15. The calculation is based on a medium-heavy design and a flue ratio of 360 cm<sup>2</sup>.

<sup>2</sup>Average value based on the storage time. Dependent on the material properties and the construction thickness. Mean specific heat distribution = approx. 500 W/m<sup>2</sup>

There may be modifications to the colour and technical details caused by ongoing developments; subject to errors and omissions. Dated: 01/2022



Energy efficiency class in accordance with (EU) 2015/1186



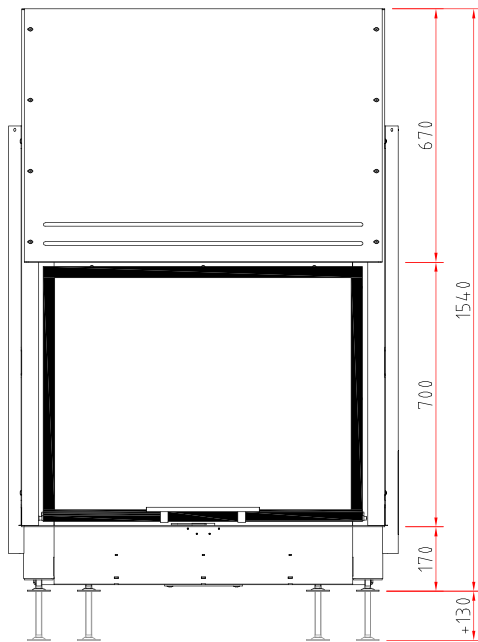
1. Federal Emissions Control Ordinance Stage 2



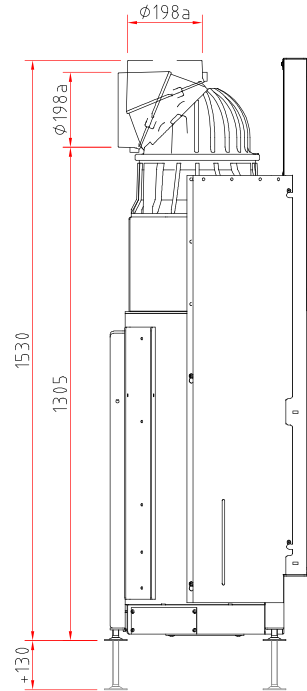
# Lina 8770 h

## Dimensional drawing

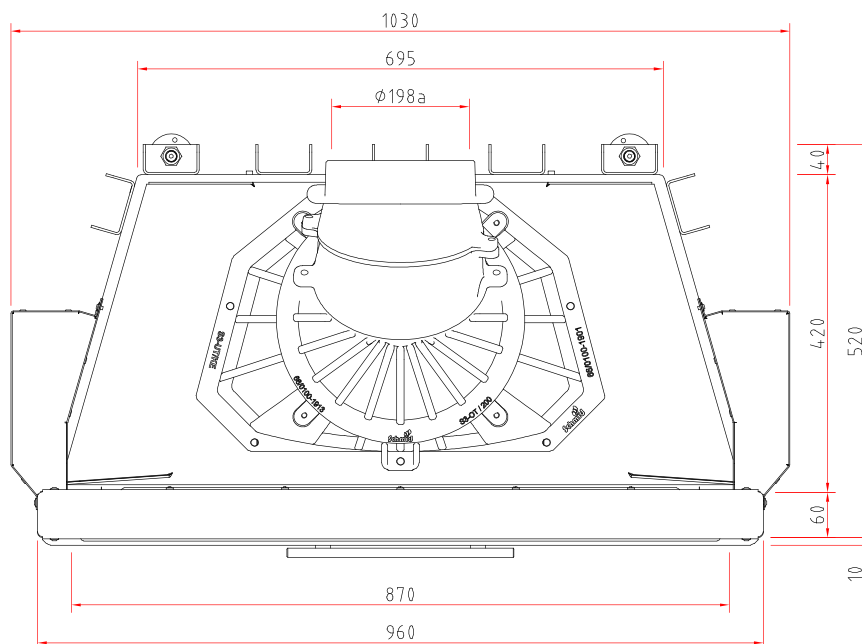
Front view, scale 1:20



Side view, scale 1:20



Top view, scale 1:10



## Product data sheet

Regulation (EU) 2015/1186 supplementing Directive 2010/30/EU

	<b>Lina 8770 h</b>
<b>Supplier's name:</b>	Camina & Schmid Feuerdesign und Technik GmbH & Co. KG
<b>Supplier's model identifier:</b>	Lina 8770 h
<b>Energy efficiency class:</b>	A
<b>Direct heat output (kW)</b>	19,0
<b>Indirect heat output (kW):</b>	–
<b>Energy efficiency index (EEI):</b>	103,2
<b>Energy efficiency at nominal heat output (%):</b>	78,1
<b>Notes for specific precautions, installation or maintenance:</b>	Please note the reference in the assembly instructions and operating manuals!

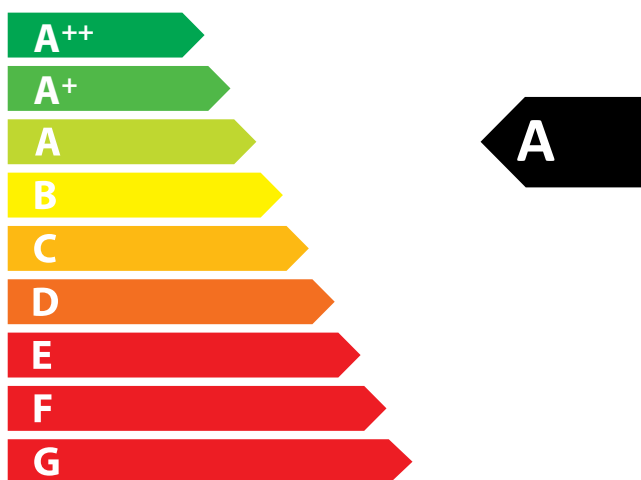
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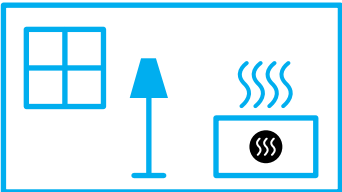


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енергия · ενέργεια



Camina  Schmid Lina 8770 h





**19,0**  
kW

ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

2015/1186

## Technical documentation for individual room heating appliances for use with solid fuels

Regulation (EU) 2015/1185 supplementary to Directive 2010/30/EU

Name and address of the manufacturer: Camina & Schmid Feuerdesign und Technik GmbH & Co. KG

Model identifier: Lina 87/70

Equivalent models: –

Test reports: R-848363-1

Harmonised standards: EN 13229:2001/A2:2004/AC:2007

Other applied standards or technical specifications: –

Indirect heating function (yes/no): no

Direct thermal output: 19.0 kW

Indirect thermal output: –

### Properties when operating with the preferred fuel

Room heating annual efficiency  $\eta_s$  5 %: 65

Energy efficiency index (EEI): 103.2

Fuel	Preferred fuel (only one)	Other suitable fuel(s)	$\eta_s$ [%]	Emissions at nominal heat output (*)				Emissions at minimum thermal output (*) (**)			
				PM	OGC	CO	NO <sub>x</sub>	PM	OGC	CO	NO <sub>x</sub>
				[x] mg/Nm <sup>3</sup> (13 % O <sub>2</sub> )				[x] mg/Nm <sup>3</sup> (13 % O <sub>2</sub> )			
Wood logs, moisture content ≤ 25%	yes	no	75	40	120	1500	200	–	–	–	–
Wood logs, moisture content < 12%	no	no	–	–	–	–	–	–	–	–	–
Other wood-like biomass	no	no	–	–	–	–	–	–	–	–	–
Non-wood-like biomass	no	no	–	–	–	–	–	–	–	–	–
Anthracite and dry charcoal	no	no	–	–	–	–	–	–	–	–	–
Hard coal coke	no	no	–	–	–	–	–	–	–	–	–
Low-temperature coke	no	no	–	–	–	–	–	–	–	–	–
Bituminous coal	no	no	–	–	–	–	–	–	–	–	–
Lignite briquettes	no	no	–	–	–	–	–	–	–	–	–
Peat briquettes	no	no	–	–	–	–	–	–	–	–	–
Briquettes made from a mixture of fossil fuels	no	no	–	–	–	–	–	–	–	–	–
Other fossil fuels	no	no	–	–	–	–	–	–	–	–	–
Briquettes made from a mixture of biomass and fossil fuels	no	no	–	–	–	–	–	–	–	–	–
Other mixture of biomass and solid fuels	no	no	–	–	–	–	–	–	–	–	–

(\*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO<sub>x</sub> = nitrous oxides

(\*\*) Only required when using correction factors F(2) or F(3).

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<b>Thermal output</b>		<b>Type of thermal output / Room temperature control (please select one)</b>	
• Nominal heat output $P_{nom}$	19.0 kW	• One-stage thermal output, no room temperature control	yes
• Minimum heat output $P_{min}$	–	• Two or more stages, no room temperature control	no
<b>Auxiliary power consumption</b>		• Room temperature control by a mechanical thermostat	no
• At nominal heat output $el_{max}$	–	• with electronic room temperature control	no
• At minimum heat output $el_{min}$	–	• with electronic room temperature control and daytime control	no
• In standby mode $el_{sb}$	–	• with electronic room temperature control and weekday control	no
<b>Fuel efficiency (based on the calorific value (NCV))</b>		<b>Other controls (more than one answer is possible)</b>	
• Fuel efficiency at nominal heat output, $\eta_{th,nom}$	78.1 %	• Room temperature control with presence detection	no
• Fuel efficiency at minimal heat output, $\eta_{th,min}$	–	• Room temperature control with detection of open windows	no
<b>Power requirement of the pilot flame</b>		• With remote control option	no
• Power requirement of the pilot flame (if present), $P_{pilot}$	–		

### Specific precautions for assembly, installation or maintenance

Please refer to the information in the installation and operating instructions!

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