Profi W 12 Front Profi K Kristall
Data sheet

Profi W 12 – Front Profi K Kristall

Details
- Boiler stove, completely surrounded by water
- Suitable for multiple flue connections
- With upper, low-emission firing
- With 3 flue gas connection options
- Including Thermal discharge safety device (TAS) with 4 m Capillary tube and sensor pocket (L = 148 mm)

Technical data

Nominal heat output without NHK	14,9 kW
Thermal output range	7,1 – 14,9 kW
Water heat output	10,6 kW
Efficiency	> 80 %
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	50 cm
Weight including chamotte	360 kg
Heat distribution through the viewing window	15 %
Heat distribution, convective output	15 %
Heat distribution: waterside output	70 %
Combustion air requirement	52,9 m³/h
Water content	80 ltr.
Max. operating pressure	3,0 bar

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

Triple values with nominal heat output

Flue gas mass flow	10,1 g/s
Flue gas temperature downstream of the connecting surface	300 °C
Required delivery pressure	12 Pa

Triple values for calculating ceramic flues (wood fuel)

Firing power	23,1 kW
Flue gas mass flow	28,6 kW
Flue gas temperature upstream of the connecting surface	363 °C
Required delivery pressure at the flue gas connector	15 Pa
Combustion air requirement	65,1 m³/h

Standard

Kristall front · Door hinge on left · Door hinge on right · Hydronic technology · Wood-burning · Triple glazed

Optional

External fuel-door · Combustion air connector

Accessories

SMR

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

1. Federal Emissions Control Ordinance Stage 2

Made in Germany

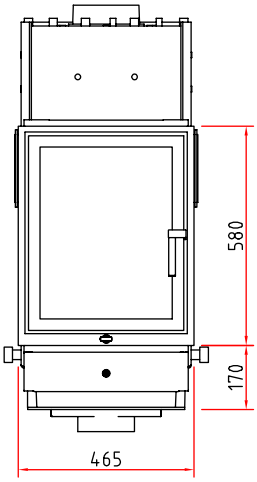
EFA

There may be modifications to the colour and technical details caused by ongoing developments; subject to errors and omissions. Dated: 07/2018

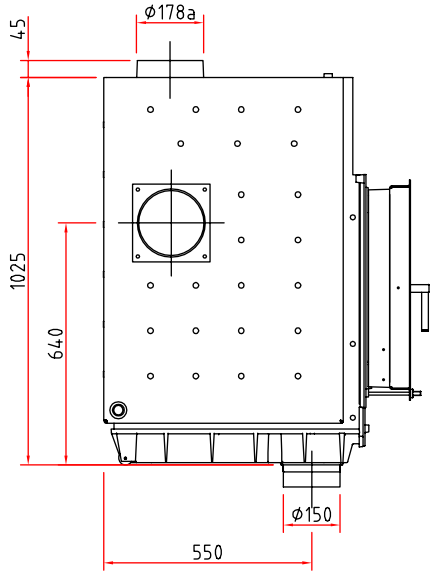
Profi W 12 Front Profi K Kristall

Dimensional drawing

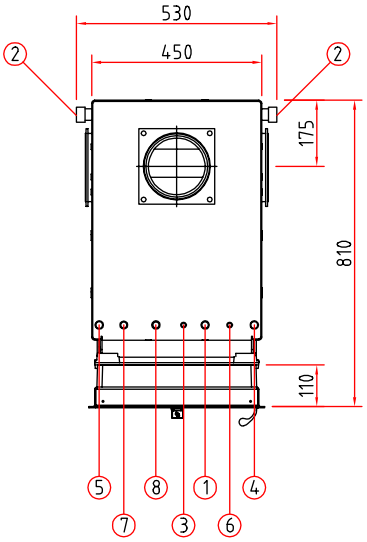
Front view, scale 1:20



Side view, scale 1:20



Top view, scale 1:20



Water connections

1. Heating flow 3/4" male
2. Return 3/4" male
3. Quick vent 3/8" female
4. Pump control sensor 1/2" female
5. Sensor for thermal discharge safety device (TAS) 1/2" female
6. Fresh water supply 1/2" male / thermal discharge safety device
7. Fresh water drain 1/2" male / thermal discharge safety device
8. Safety valve 1/2" female

Important notes

- Ensure that all connections and safety devices are accessible (e.g. grille or inspection door).
- Never exceed the maximum ambient temperature of 160 °C.
- Fit the safety valve, thermal discharge safety device and air vent in the cold part of the system, if required.

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Product data sheet

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

	Profi W 12
Supplier's name:	Camina & Schmid Feuerdesign und Technik GmbH & Co. KG
Supplier's model identifier:	Profi W 12
Energy efficiency class:	A+
Direct heat output (kW)	4,3
Indirect heat output (kW):	10,6
Energy efficiency index (EEI):	112,8
Energy efficiency at nominal heat output (%):	84,7
Notes for specific precautions, installation or maintenance:	Please note the reference in the assembly instructions and operating manuals!

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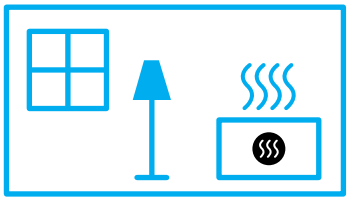
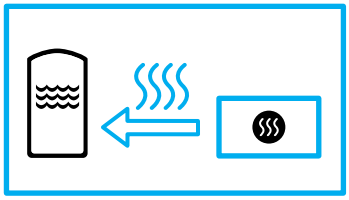
Camina Schmid **Profi W 12**

A++
A+
A
B
C
D
E
F
G

A+



4,3
kW



10,6
kW

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