HAKA **63/51**

Technical data
Version **06/2016**

OPERATION WHEN DIRECTLY CONNECTED TO CHIMNEY	Cupola	Hot air exchanger
Tested according to	EN 13229	EN 13229
Nominal heat power	8 kW	13 kW
Efficiency	> 80 %	> 80 %
Consumption of wood	2,5 kg/h	3,8 kg/h
Mass flow of flue gas	8,1 g/s	11 g/s
Average flue gas temperature on the output	239 °C	261 °C
Heat distribution		
fireplace insert	70–82 %	70–82 %
door glass (single / double)	30 / 18 %	30 / 18 %
Required chimney pressure	12 Pa	12 Pa
Required amount of combustion air	30 m^3/h	40 m^3/h
Minimum supply air grating cross-section	800 cm^2	1 200 cm^2
Minimum outgoing air grating cross-section	950 cm^2	1 450 cm^2

OPERATION WITH CONNECTED ACCUMULATION MASS	Cupola	Adaptor
Load of wood	6 kg	6 kg
Total heat output of the burning chamber	24 kW	24 kW
Mass flow of flue gas	20 g/s	20 g/s
Average flue gas temperature		
on the output [1]	408 °C	416 °C
past 4 m of ceramic accumulation system KMS 300 [2]	171 °C	–
past 5 pcs of accumulation rings KAM + termination ring	–	236 °C
Heat distribution		
fireplace insert	40 %	35 %
door glass (single / double)	30 / 18 %	30 / 18 %
adjoining accumulation mass	30–42 %	35–47 %
Required chimney pressure	12 Pa	12 Pa
Minimum radiant area [3]	ca. 5,5 m^2	ca. 5,5 m^2
Required amount of combustion air	60 m^3/h	60 m^3/h

GENERAL TECHNICAL INFORMATION	
Combustion air connection	Ø 125 mm
Total weight / lining weight	ca. 215 / 94 kg
Use in non-ventilated accumulation builds according to craft rules	suitable
Meets values	BImSchV (Stufe2), 15a BVG

1) The Hoxter products are available in the Austrian stove-calculation program for evaluation of firebrick accumulation systems.
2) Only a sample calculation! For accurate results is evaluation of each system in the KMS-calculation program from the Ortner company necessary.
3) Depends on accumulation period and material characteristics and its thickness. Calculated with heat emission of the radiant area ca. 500 $W/m^2.hr$

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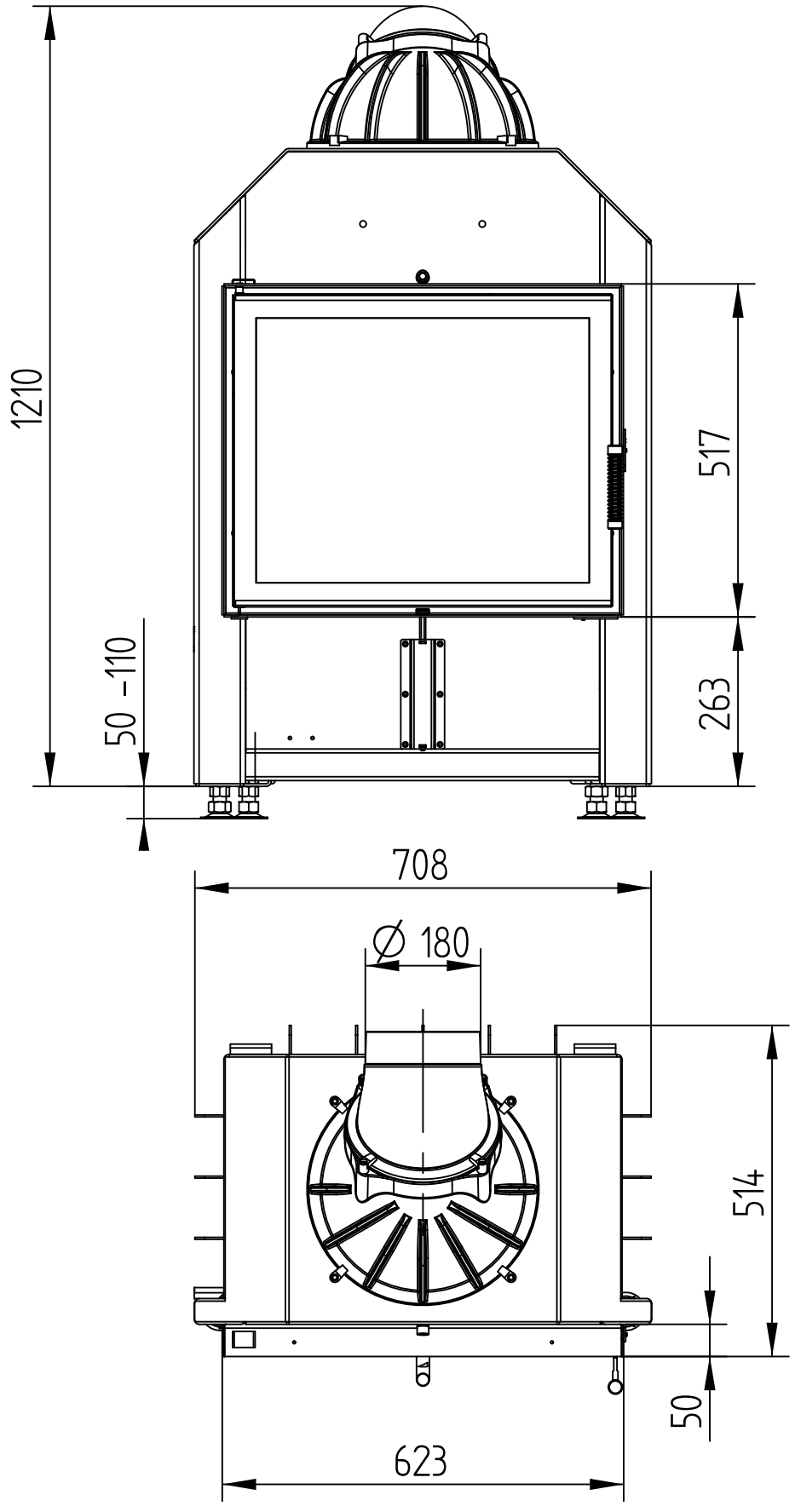
Technical data
Version **06/2016**

WITH CUPOLA

M 1 : 10



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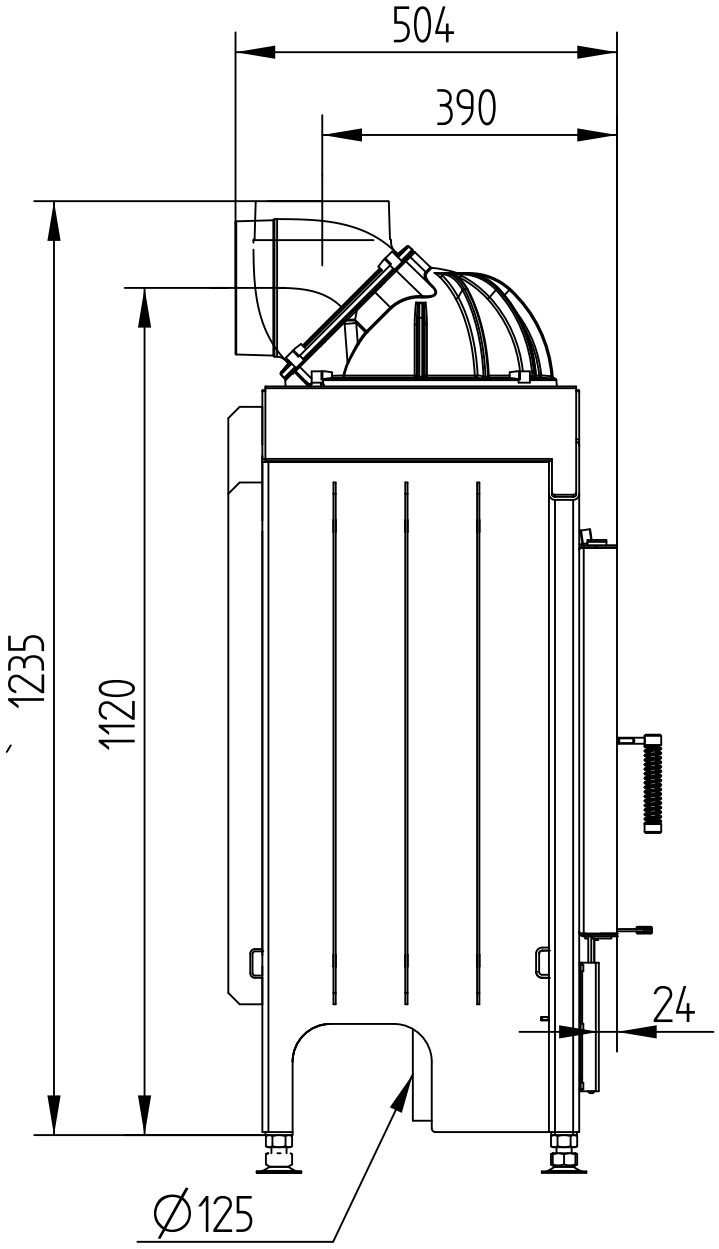
Technical data
Version **06/2016**

WITH CUPOLA

M 1 : 10



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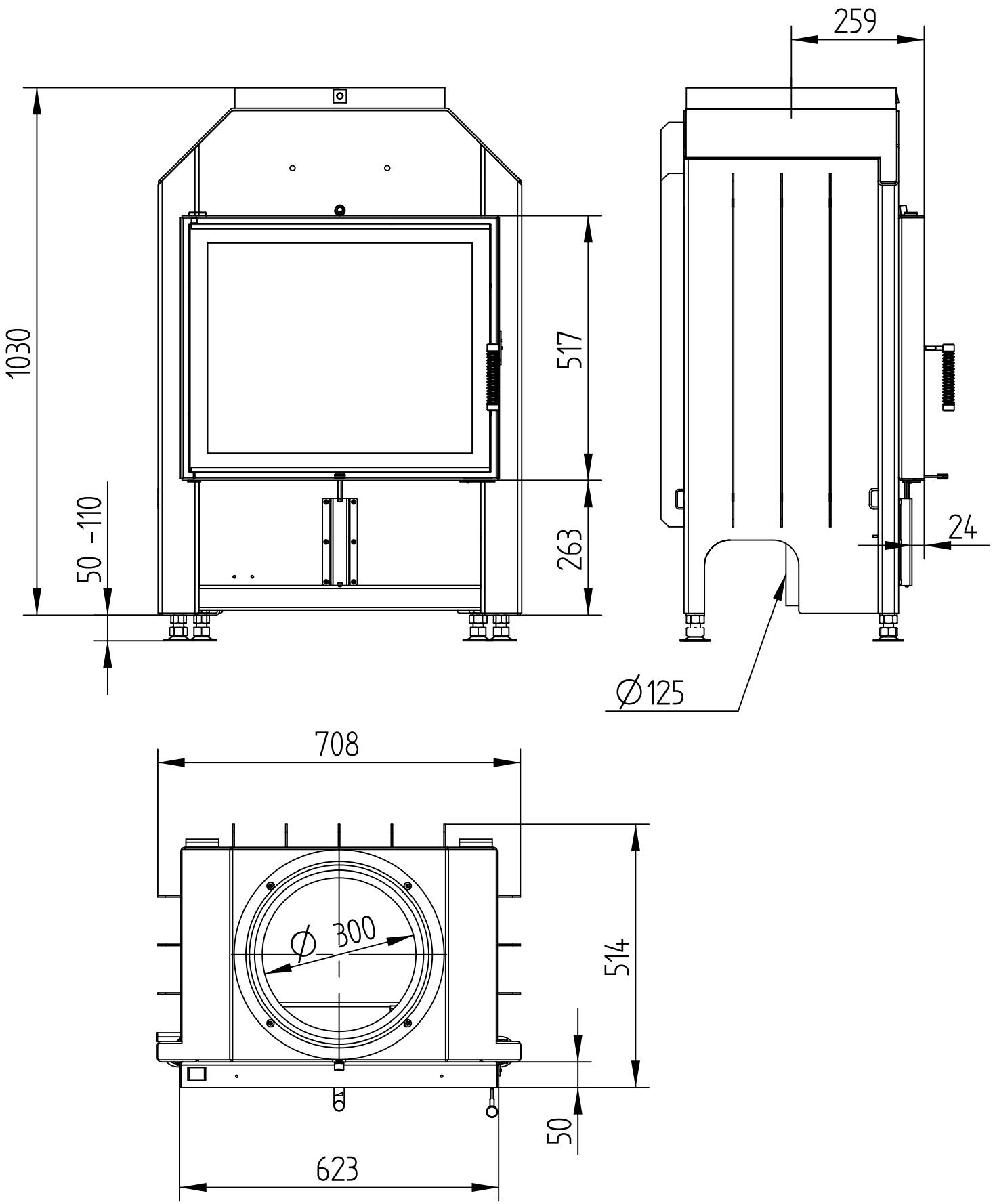
WITH ADAPTOR

M 1 : 10



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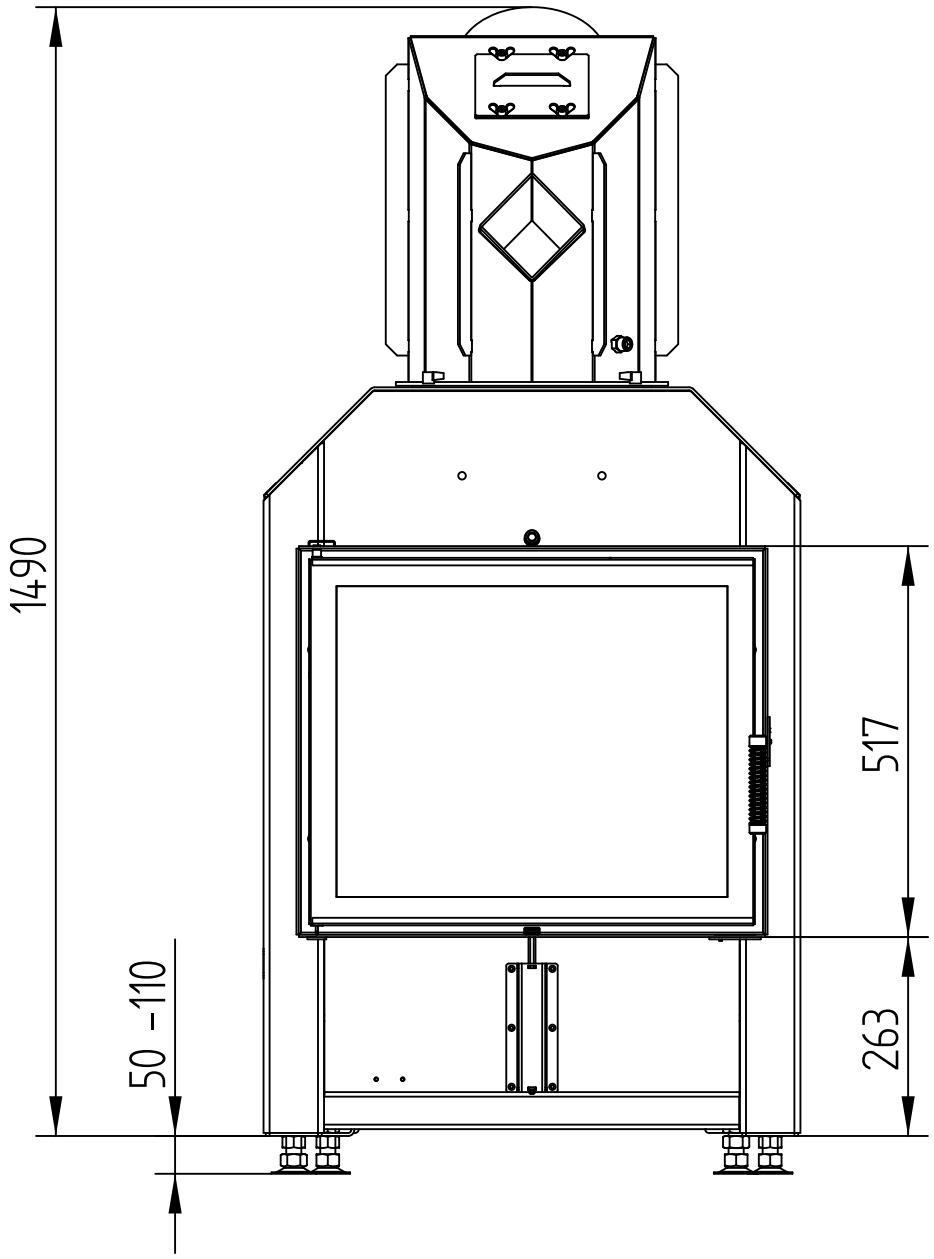
WITH HOT AIR EXCHANGER

Technical data
Version **06/2016**

M 1 : 10



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WITH HOT AIR EXCHANGER

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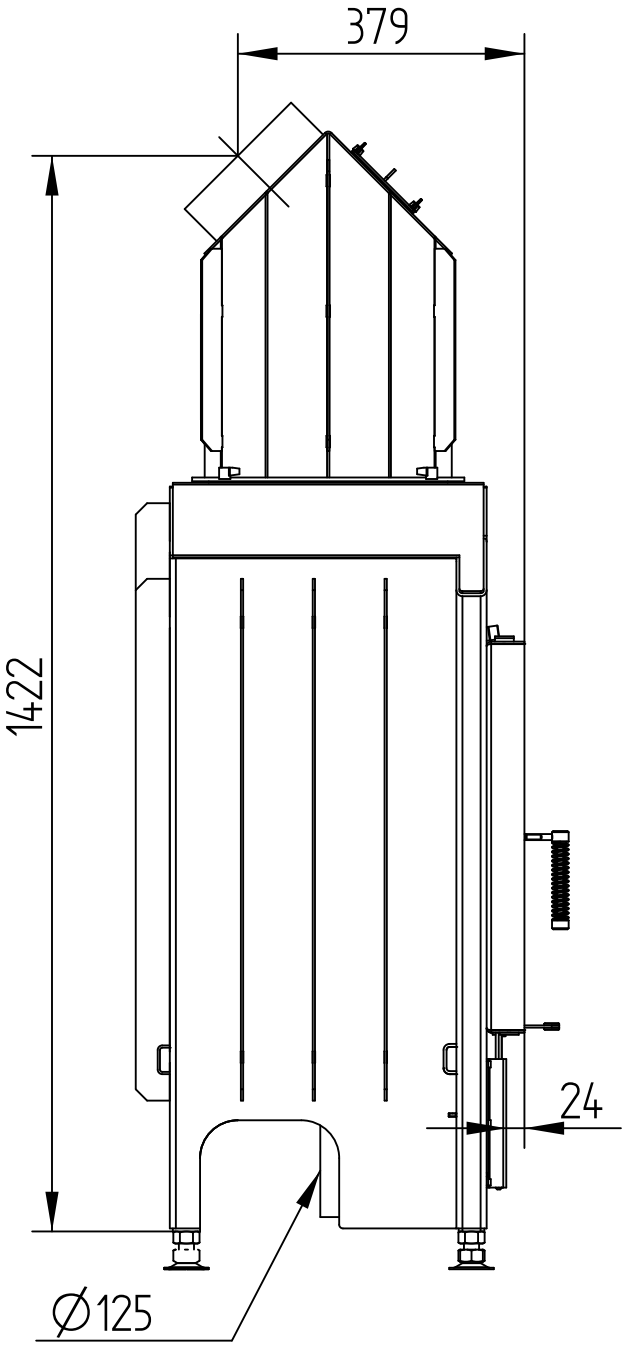
M 1 : 10



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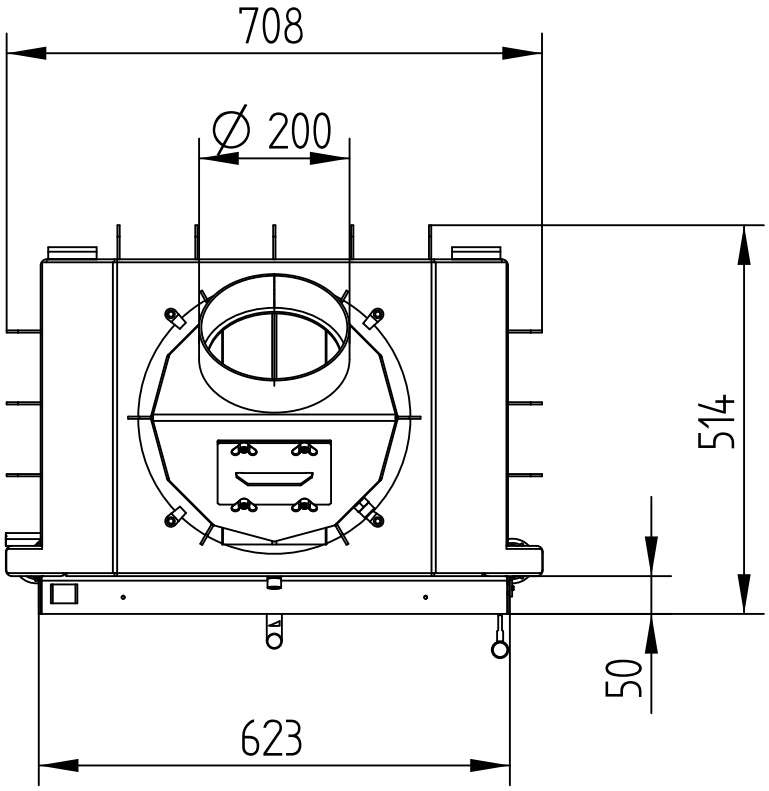
WITH HOT AIR EXCHANGER

Technical data
Version **06/2016**

M 1 : 10



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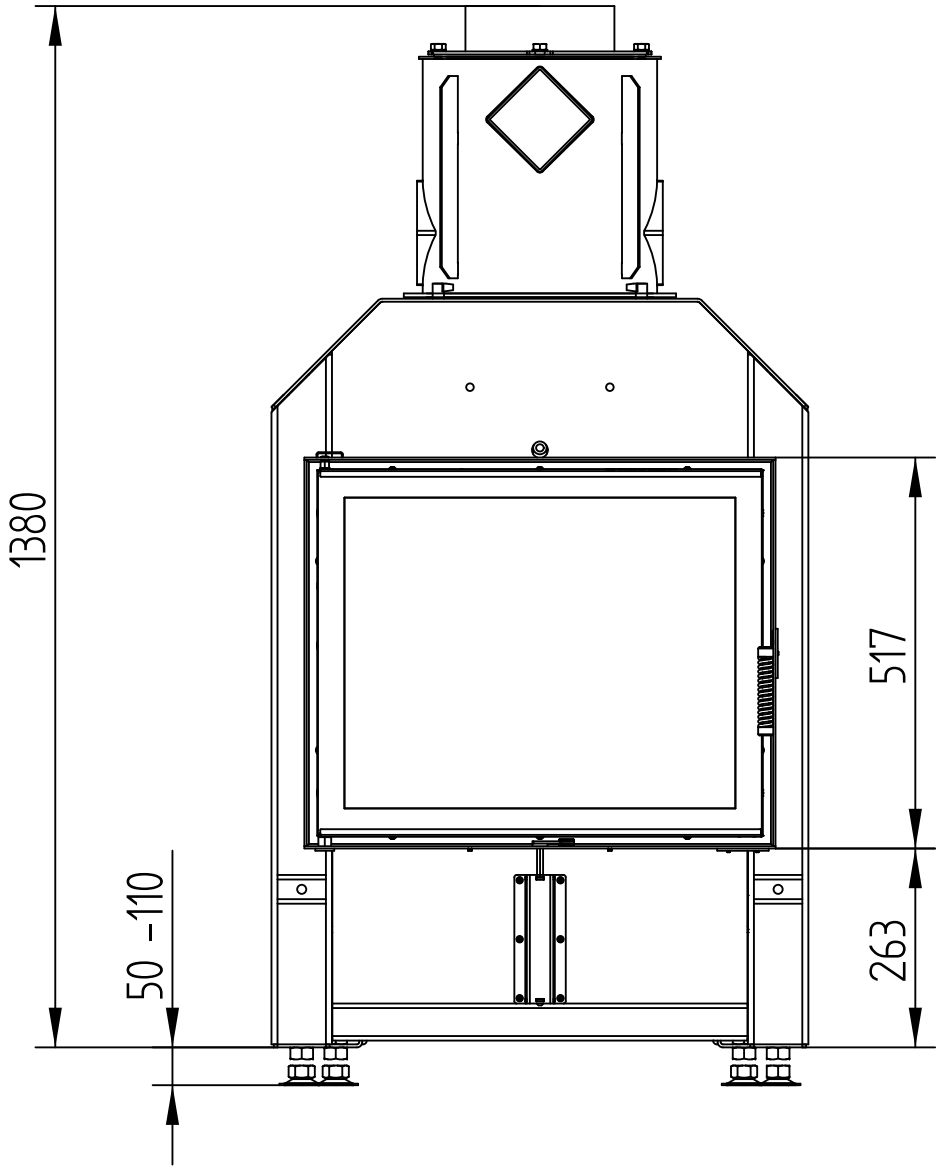
WITH HOT AIR EXCHANGER VERTICAL

M 1 : 10



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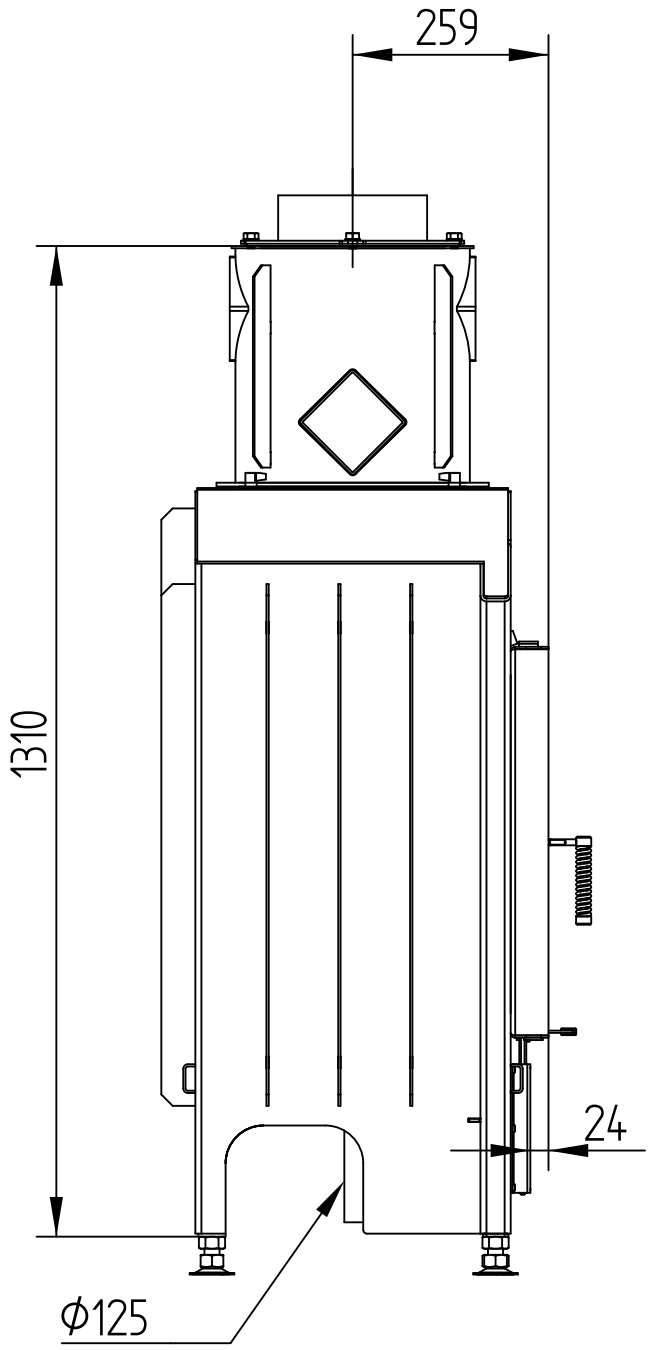
Technical data
Version **06/2016**

WITH HOT AIR EXCHANGER VERTICAL

M 1 : 10



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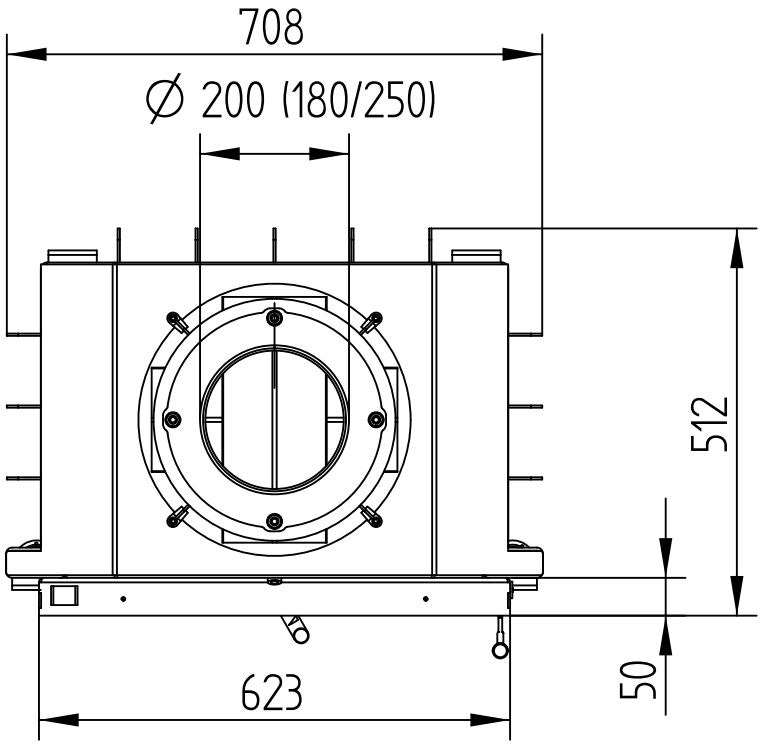
WITH HOT AIR EXCHANGER VERTICAL

M 1 : 10



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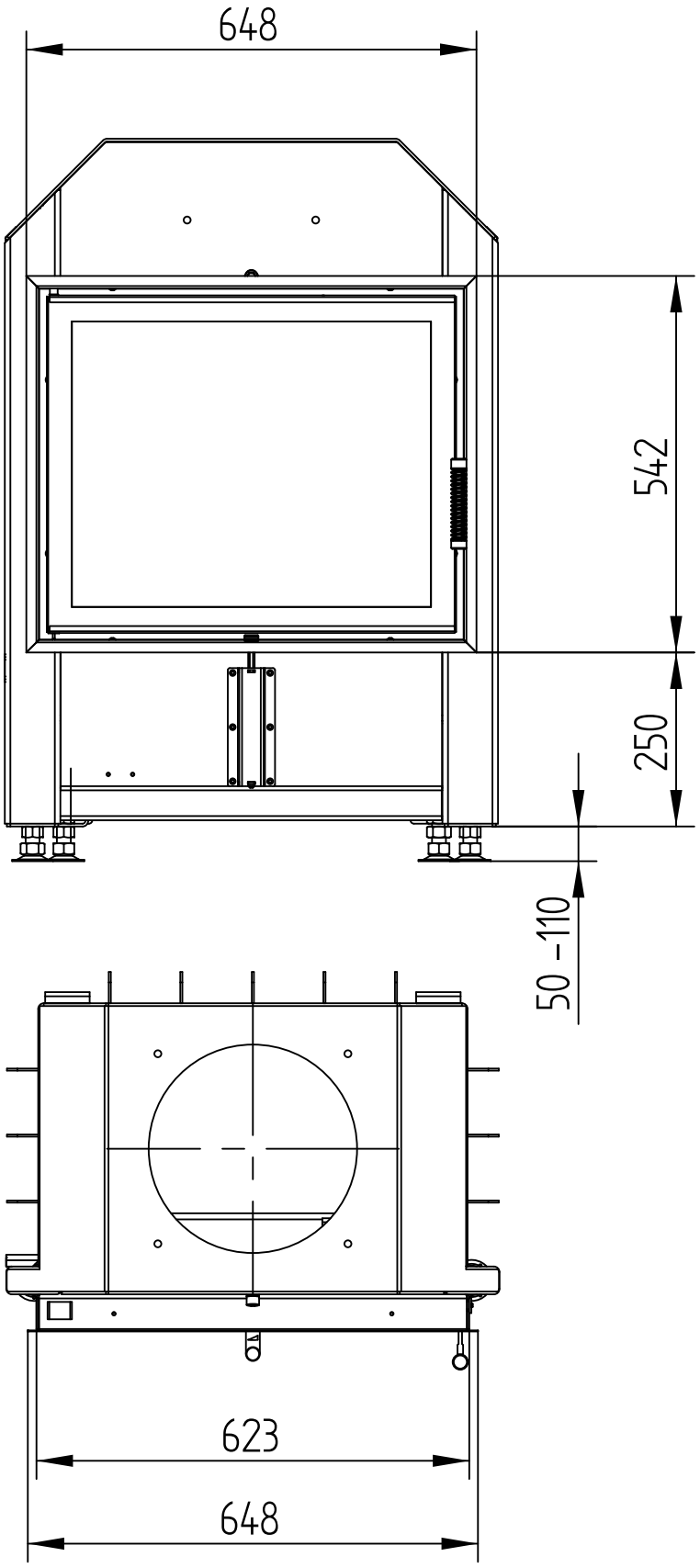
Technical data
Version **06/2016**

COVER FRAME 4-SIDED 1 x 90°

M 1 : 10

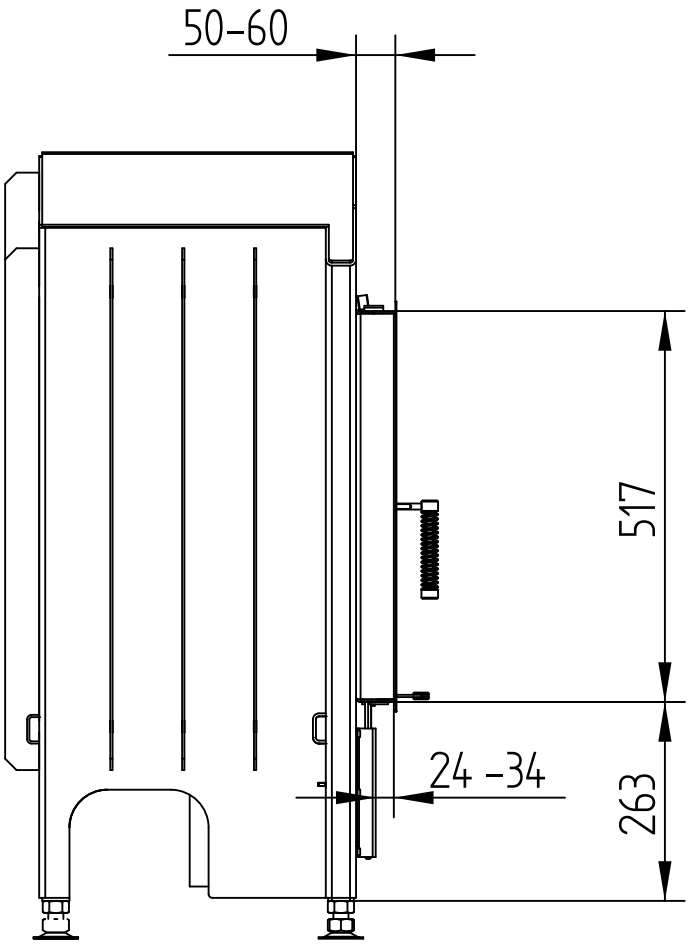


HAKA **63/51**

Technical data
Version **06/2016**

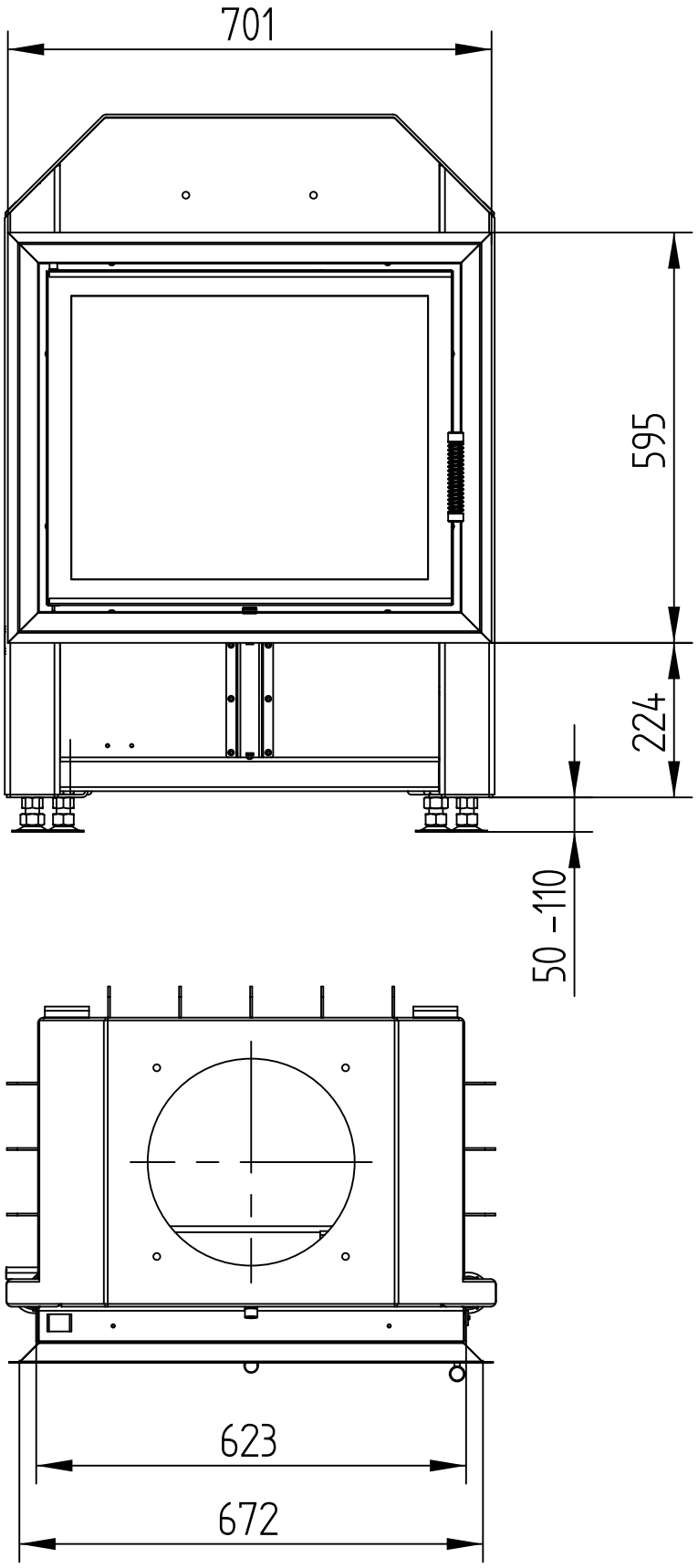
COVER FRAME 4-SIDED 1 x 90°

M 1 : 10



COVER FRAME 4-SIDED 2 x 45°

M 1 : 10



HAKA **63/51**

COVER FRAME 4-SIDED 2 x 45°

M 1 : 10