

ULTIME D

Patented

metalfire

Technical Document

Model: ULTIME D MF 1050-50 WHE 1S

Dimensions (mm)

- combustion opening WxH:

1086x506

- external WxDxH:

1310x619x1561

- fresh air:

2xø150

- diameter flue:

ø250

Technical Data

- capacity:

19.4kW

- efficiency capacity:

80.2%

- CO (volume with 13%O₂):

0.06%

- dust (volume with 13%O₂):

30mg/m³

- weight:

470kg

- Air intake to convection: minimum 720cm² (4xø150)

- Air exhaust to convection: minimum 720cm² (4xø150)

Specifications

- inside finishing: heat-resistant black paint

- vermiculite insulation plates

- convection jacket in galvanized steel

- cast iron stoke grate

- back and sides: ribbed cast iron

- interior finishing: ORIGINAL (ribbed cast iron)

Options

- Promat insulation kit

- Finishing frame

Table: prescribed insulation thickness (mm)

Combustable finishing material

	A	B	C	D	E
Test report (TC = 0,14 W/mK)	75	NC	94	105	40
Metalfire recommended Promasit 1100L (TC = 0,081 W/mK)	50	NC	55	60	25

Non-combustable finishing material

non-combustable materials (structural building items EXCLUDED e.g. load bearing walls)	0	0	0	0	0
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TC = thermal conductivity

NC = non-combustable

First aid and technical support:

- support@metalfire.eu

- +32 (0)9 261 50 57

scale 1:20

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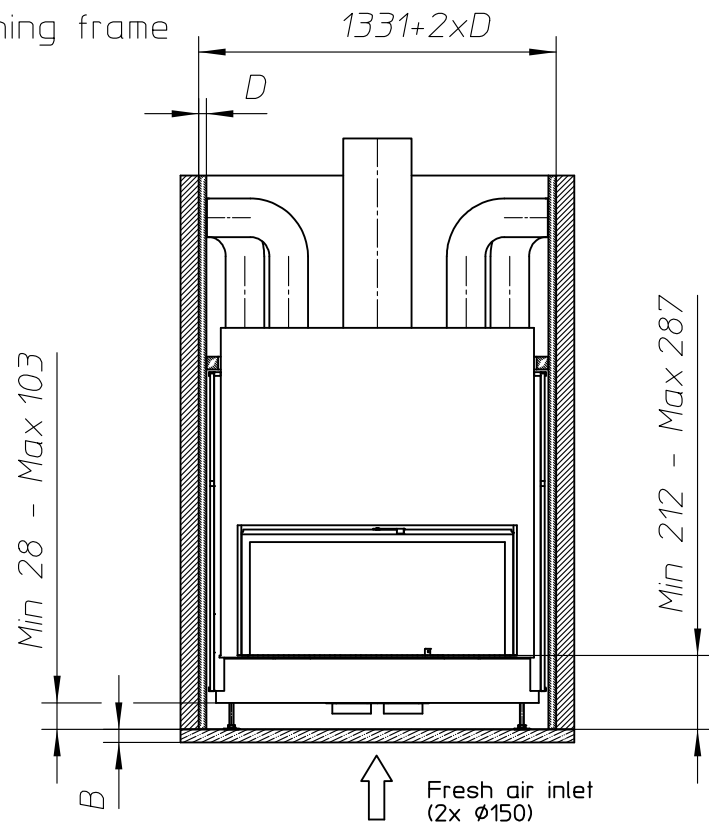
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General dimensional tolerances up to 6mm

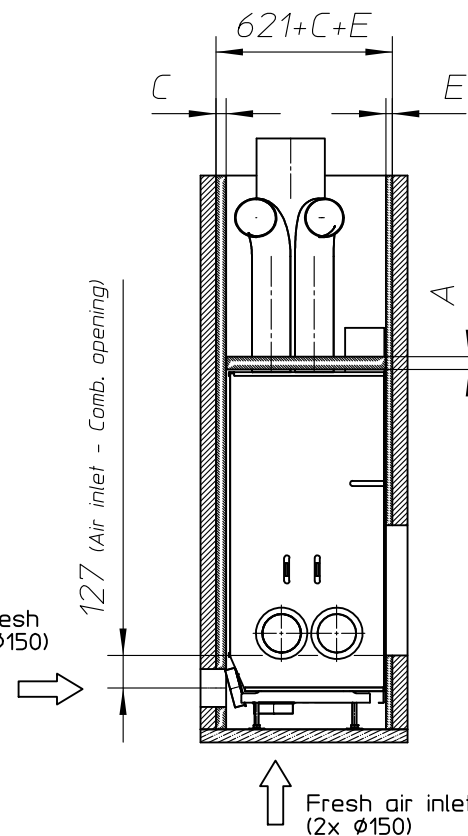
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Without finishing frame



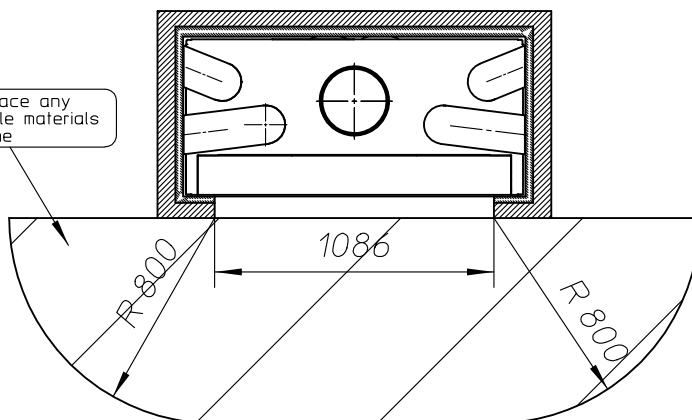
Alternative fresh air inlet (2x Ø150)



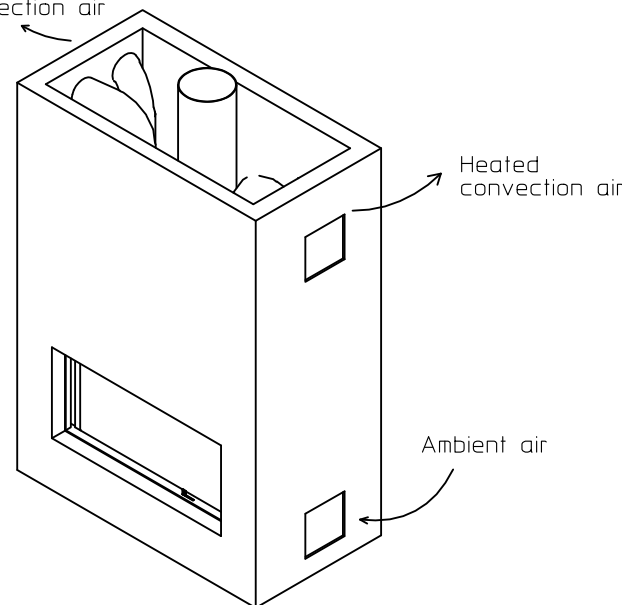
Fresh air inlet (2x Ø150)

Alternative fresh air inlet (2x Ø150)

Do NOT place any combustible materials in this zone



Heated convection air



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Dimensions (mm)

- combustion opening WxH: 1086x506
- external WxDxH: 1310x619x1561
- fresh air: 2xØ150
- diameter flue: Ø250

Technical Data

- capacity: 19.4kW
- efficiency capacity: 80.2%
- CO (volume with 13%O₂): 0.06%
- dust (volume with 13%O₂): 30mg/m³
- weight: 470kg
- Air intake to convection: minimum 720cm² (4xØ150)
- Air exhaust to convection: minimum 720cm² (4xØ150)

Specifications

- inside finishing: heat-resistant black paint
- vermiculite insulation plates
- convection jacket in galvanized steel
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- back and sides: ribbed cast iron
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Options

- Promat insulation kit
- Finishing frame

Table: prescribed insulation thickness (mm)

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non-combustable materials (structural building items EXCLUDED e.g. load bearing walls)	0	0	0	0	0
TC = thermal conductivity NC = non-combustable					

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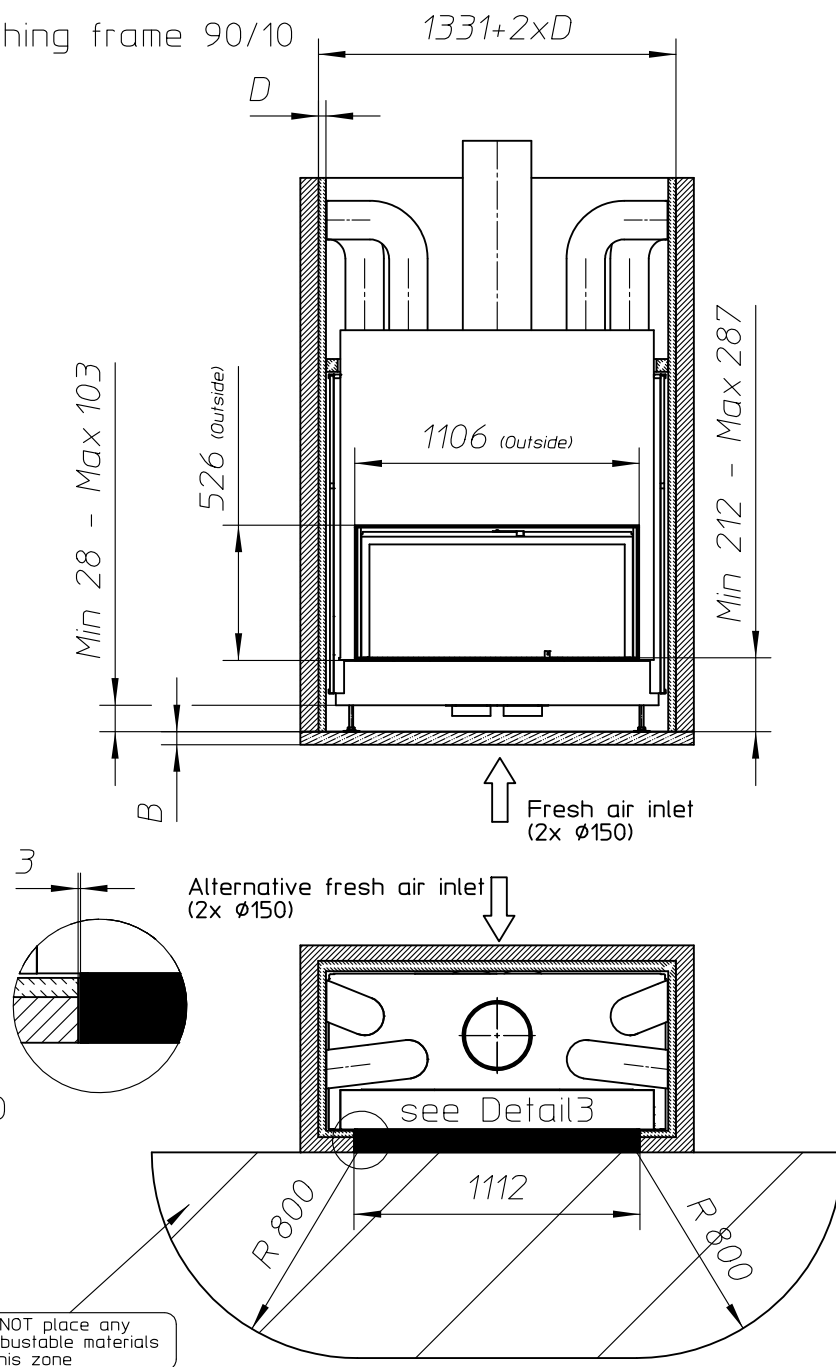
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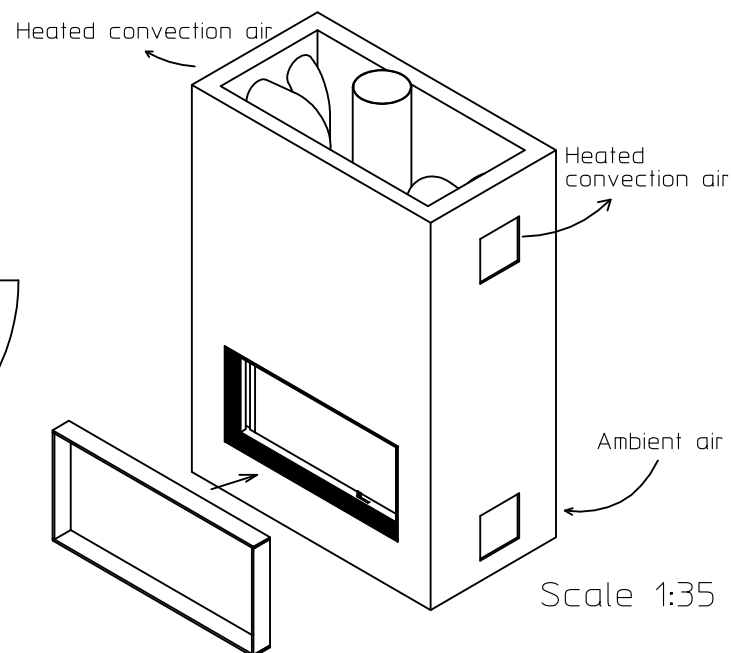
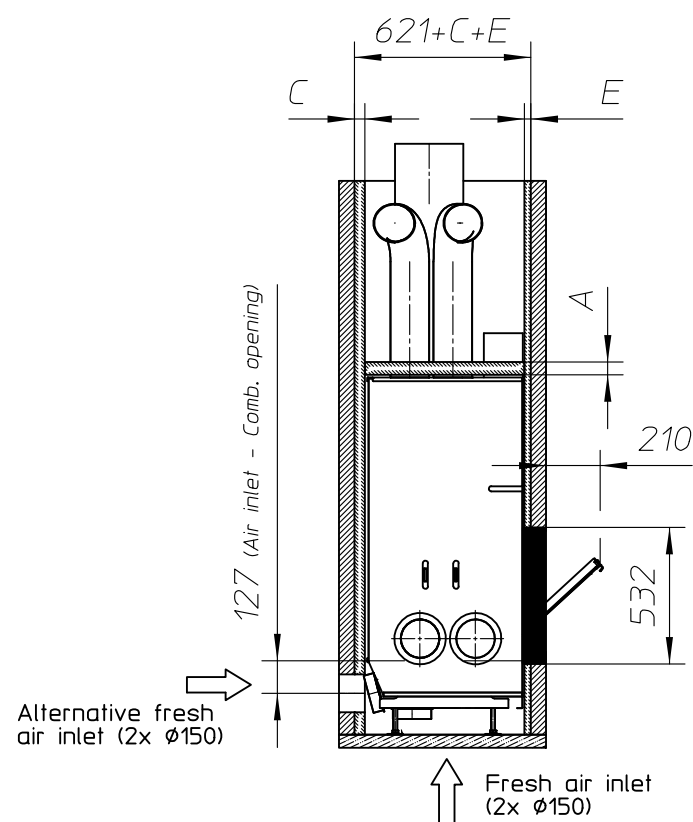
Combustible finishing material
 Non-combustible finishing material
 Insulation
 Insulation thickness => see table

With finishing frame 90/10



Detail3
Scale 1:10

Combustible finishing material
 Non-combustible finishing material
 Insulation
 Insulation thickness => see table



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Technical Document

Model: ULTIME D MF 1050-50 WHE 1S

Dimensions (mm)

- combustion opening WxH: 1086x506
- external WxDxH: 1310x619x1561
- fresh air: 2x $\phi 150$
- diameter flue: $\phi 250$

Technical Data

- capacity: 19.4kW
- efficiency capacity: 80.2%
- CO (volume with 13%O₂): 0.06%
- dust (volume with 13%O₂): 30mg/m³
- weight: 470kg
- Air intake to convection: minimum 720cm² (4x $\phi 150$)
- Air exhaust to convection: minimum 720cm² (4x $\phi 150$)

Specifications

- inside finishing: heat-resistant black paint
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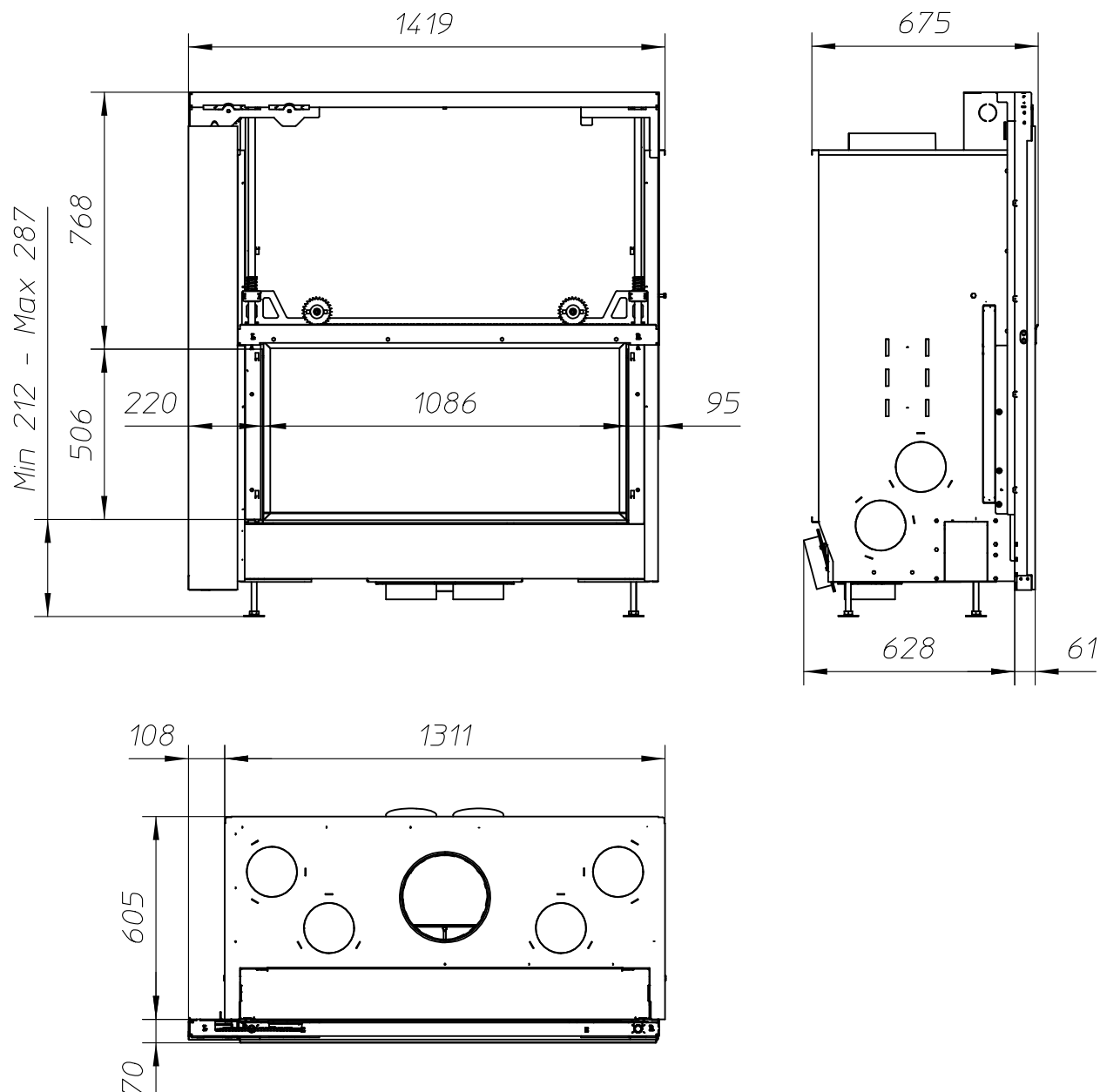
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WITH FIRESCREEN - NO FINISHING FRAME



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Technical Document

Model: ULTIME D MF 1050-50 WHE 1S

Dimensions (mm)

- combustion opening WxH: 1086x506
- external WxDxH: 1419x675x1561
- fresh air: 2xØ150
- diameter flue: Ø250

Technical Data

- capacity: 19kW
- efficiency capacity: 80,2%
- CO (volume with 13%O₂): 0.06%
- dust (volume with 13%O₂): 30mg/N³
- weight: 470kg
- Air intake to convection: minimum 720cm² (4xØ150)
- Air exhaust to convection: minimum 720cm² (4xØ150)

Specifications

- inside finishing: heat-resistant black paint
- vermiculite insulation plates
- convection jacket in galvanized steel
- cast iron stoke grate
- back and sides: ribbed cast iron
- interior finishing: ORIGINAL (ribbed cast iron)

First aid and technical support:

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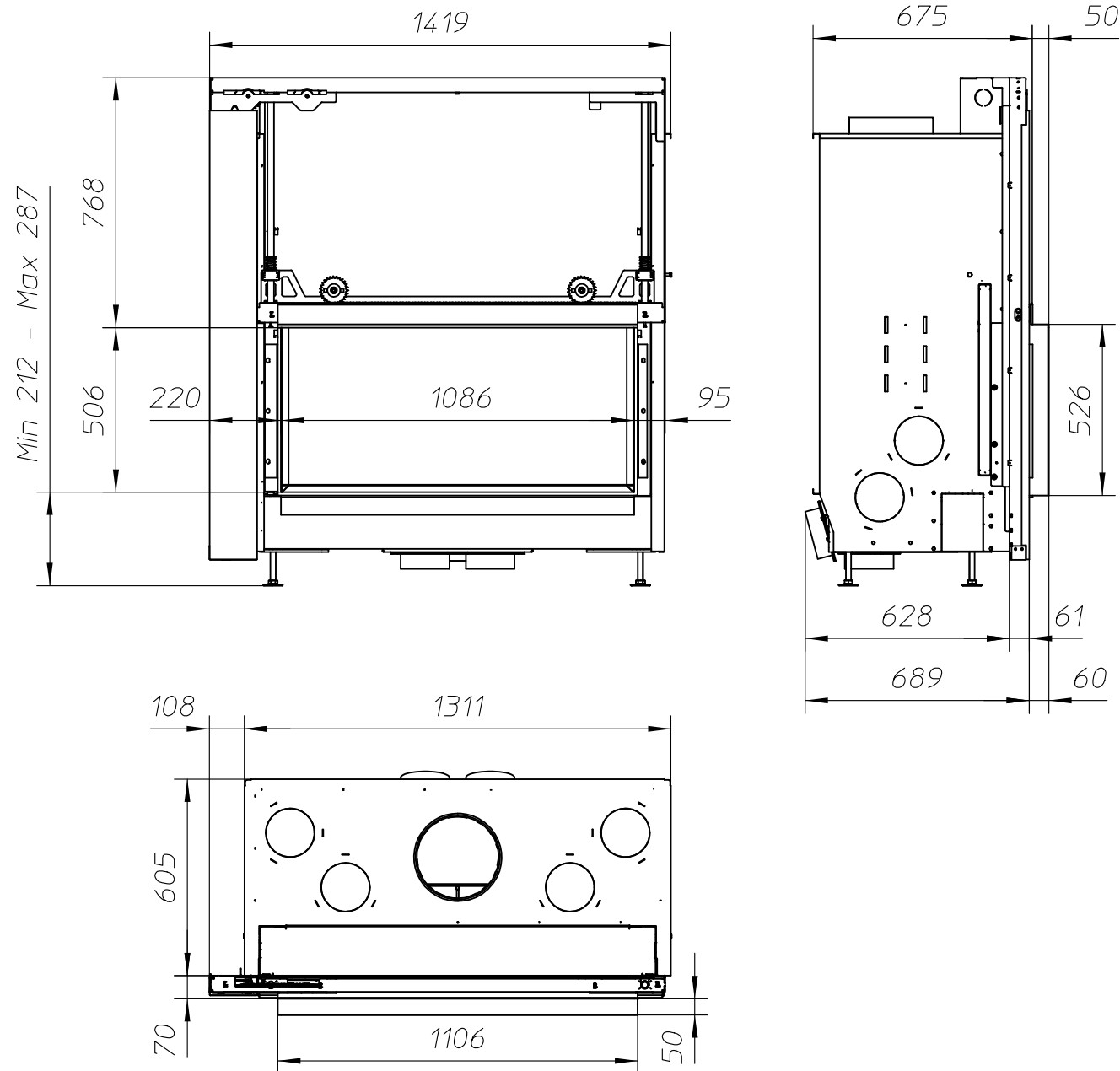
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General dimensional tolerances up to 6mm
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WITH FIRESCREEN AND FINISHING FRAME 120/10



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Technical Document

Model: ULTIME D MF 1050-50 WHE 1S

Dimensions (mm)

- combustion opening WxH: 1086x506
- external WxDxH: 1419x749x1561
- fresh air: 2xØ150
- diameter flue: Ø250

Technical Data

- capacity: 19.4kW
- efficiency capacity: 80.2%
- CO (volume with 13%O₂): 0.06%
- dust (volume with 13%O₂): 30mg/N³
- weight: 470kg
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- inside finishing: heat-resistant black paint
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