FIREPLACE INSERTS FROM BRUNNER



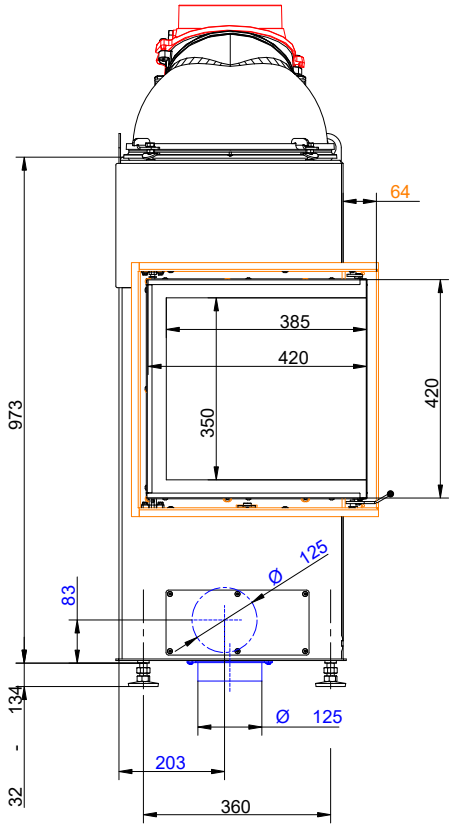
# BKH corner 42-42-42 green

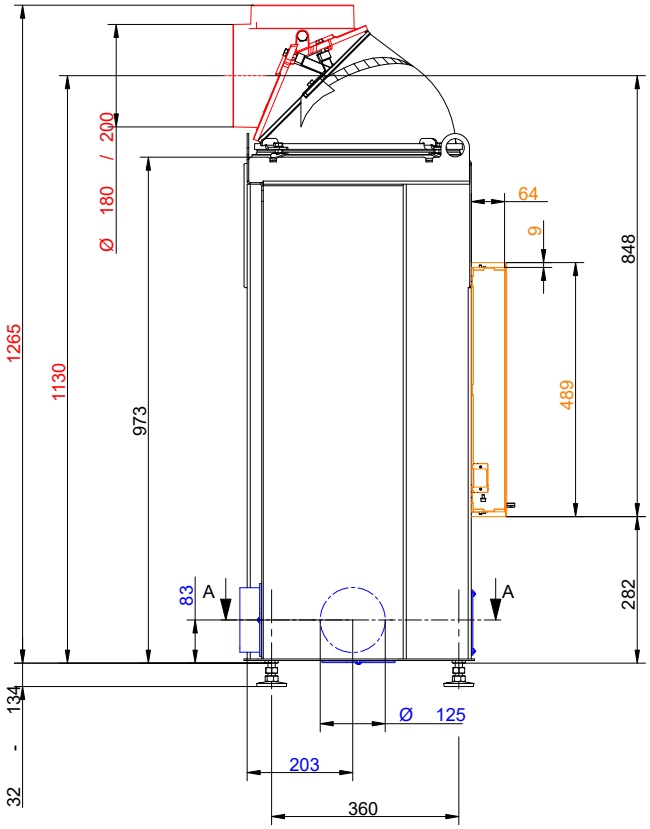
State: 2025-02-27

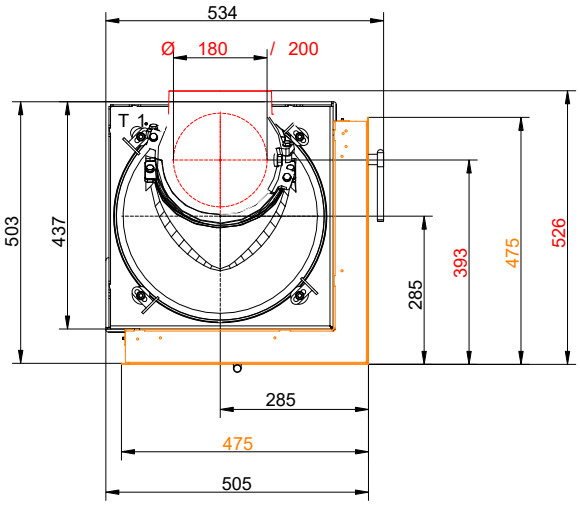


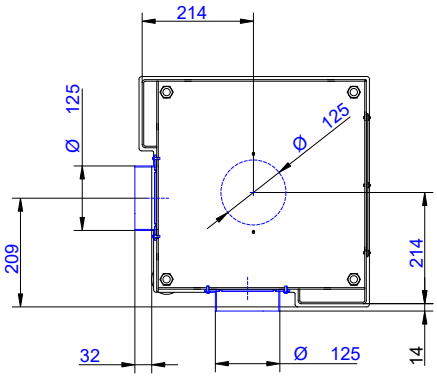

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# Dimension sheets - BKH corner 42-42-42 green



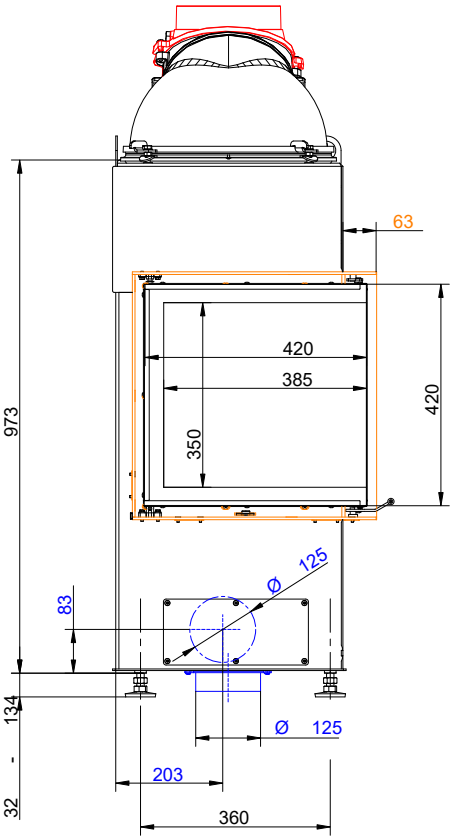



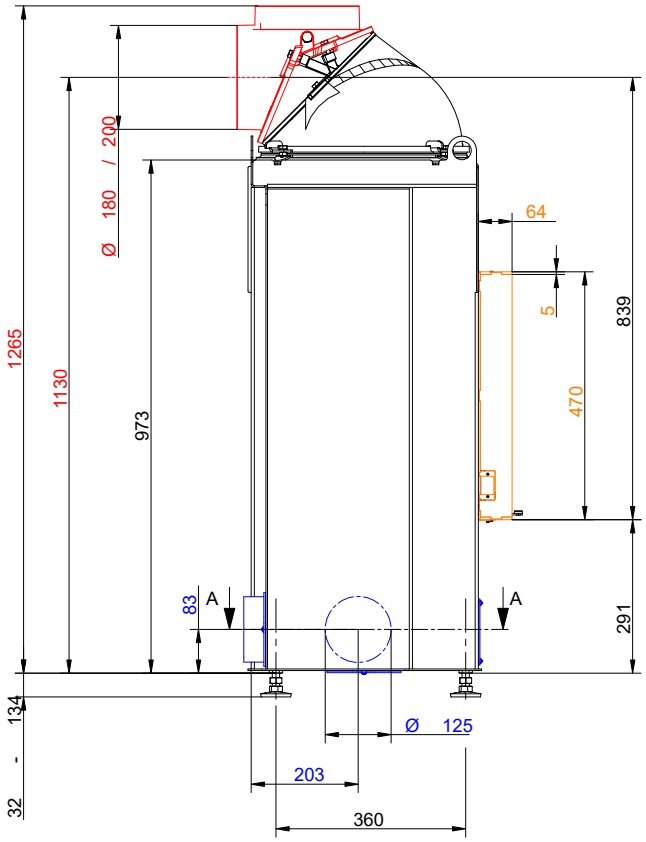

A - A

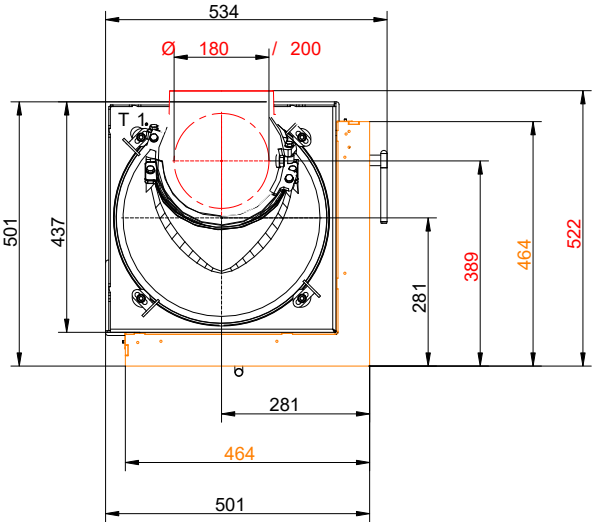
**… mounting bracket and cast iron dome**

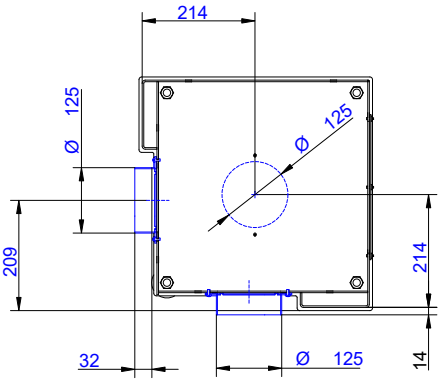
State: 2025-02-27

# Dimension sheets - BKH corner 42-42-42 green



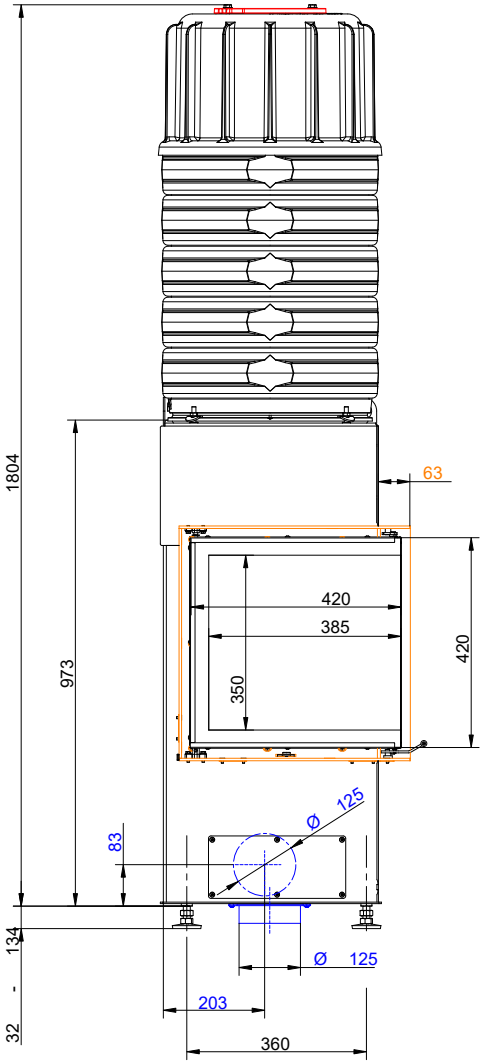



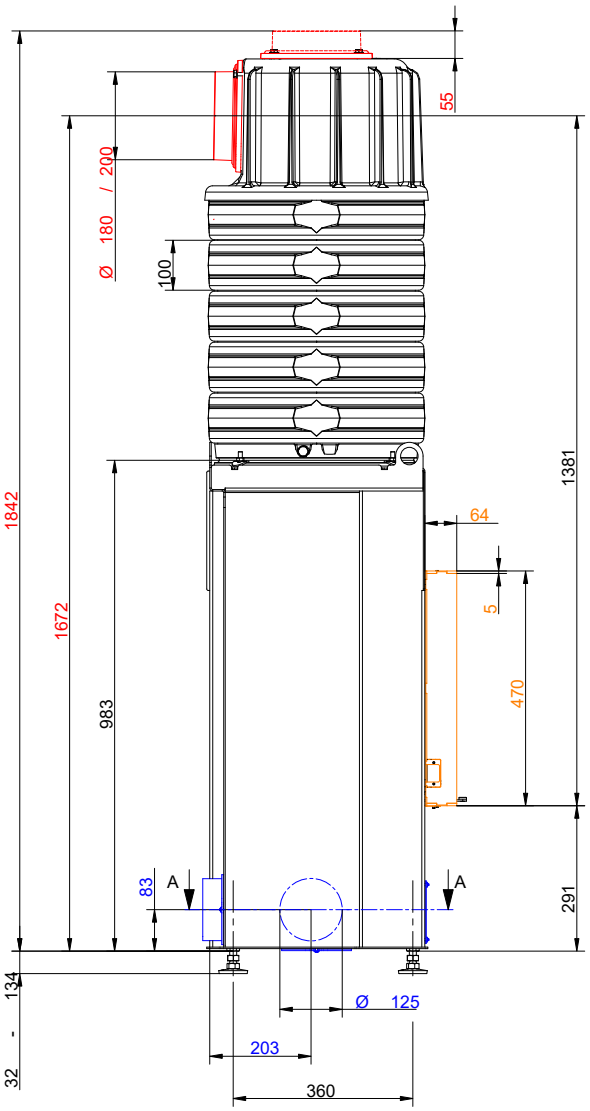

A - A

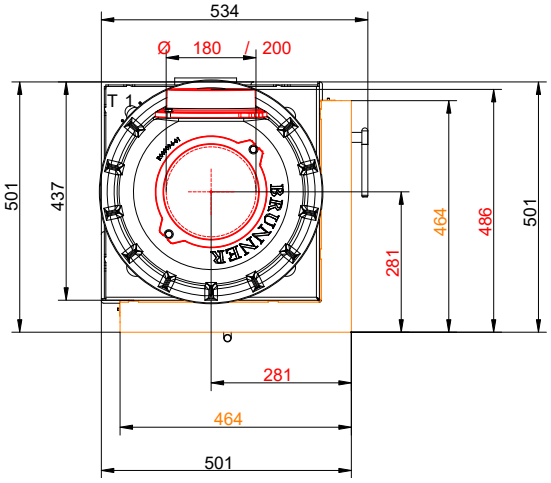
**… door frame and cast iron dome**

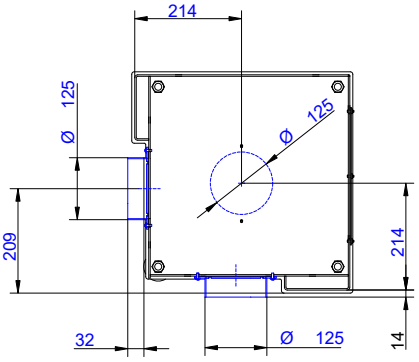
State: 2025-02-27

# Dimension sheets - BKH corner 42-42-42 green



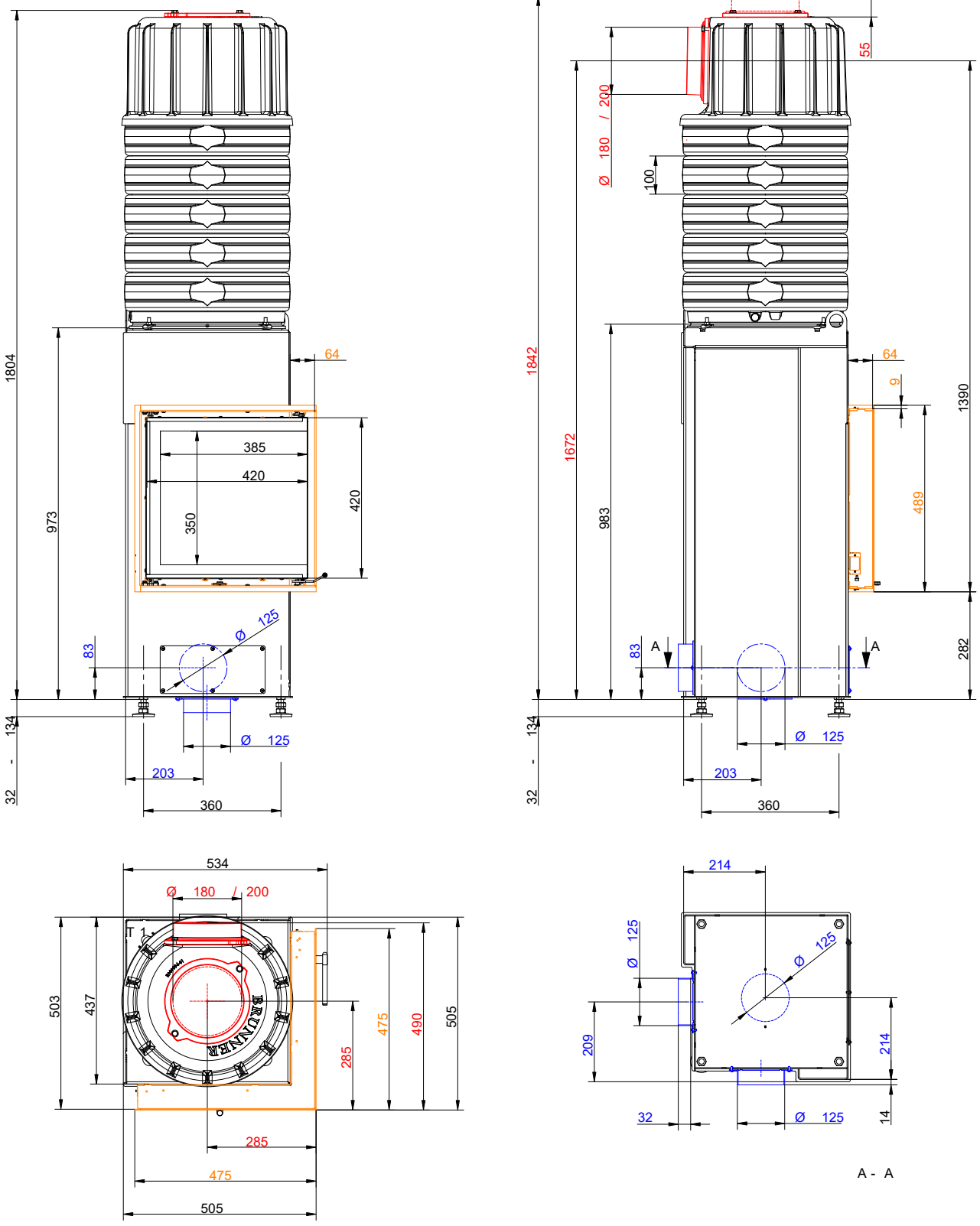




A - A

**… mounting bracket and MAS**

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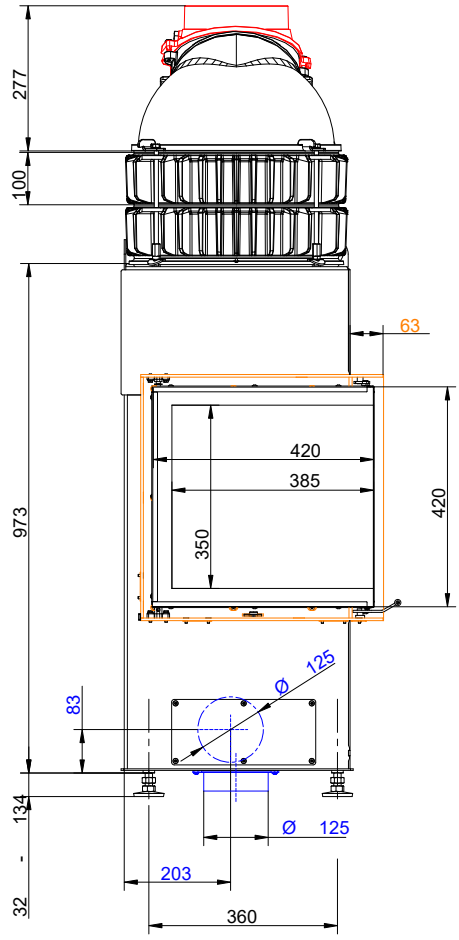
# Dimension sheets - BKH corner 42-42-42 green

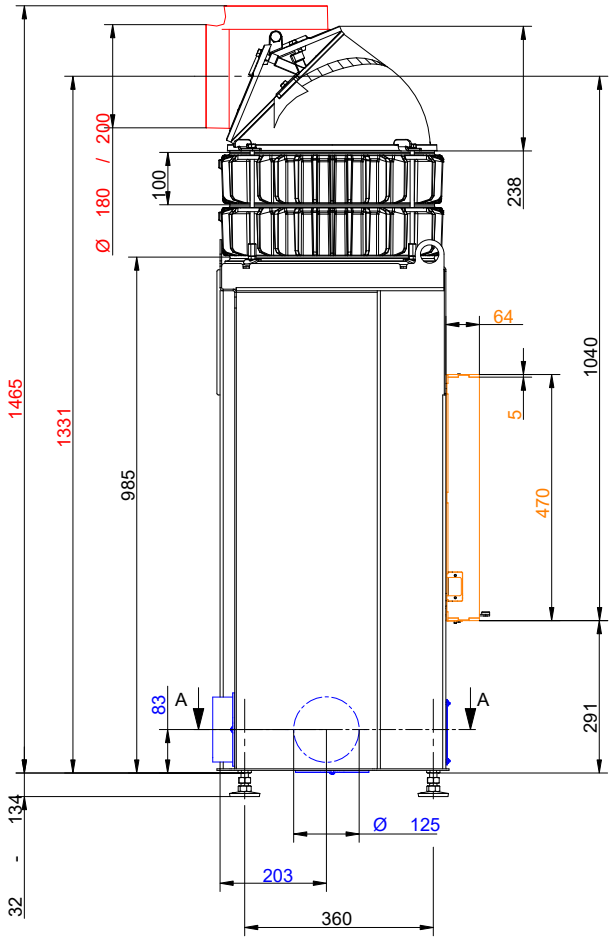


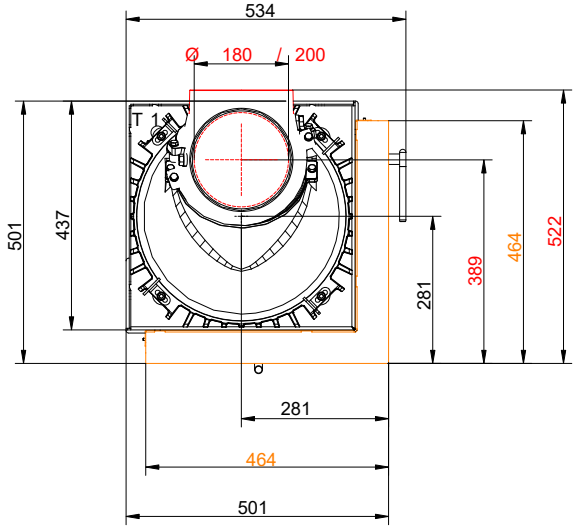

**… door frame and MAS**

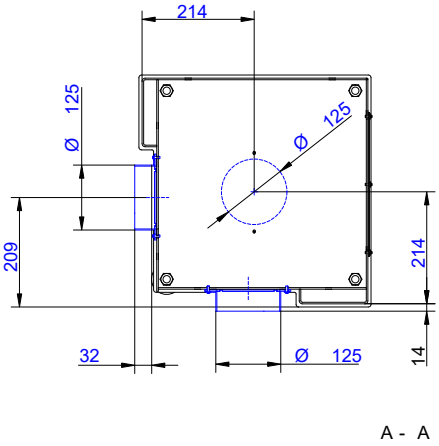
State: 2025-02-27

# Dimension sheets - BKH corner 42-42-42 green



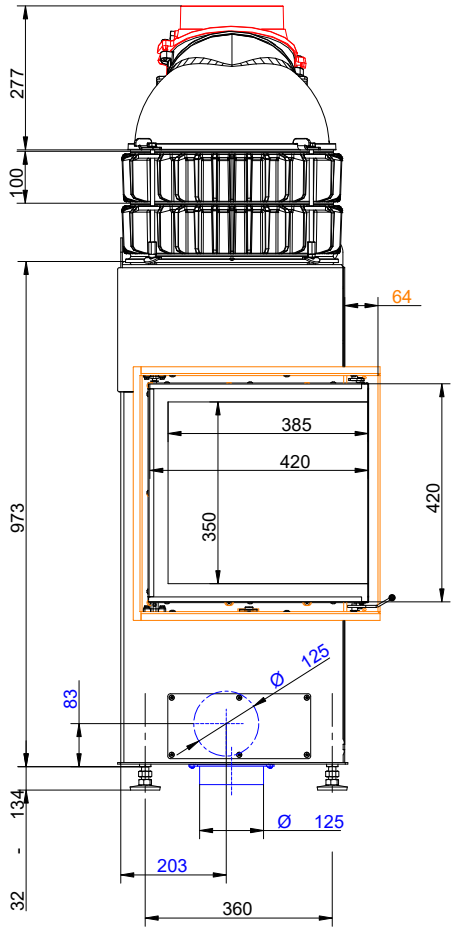



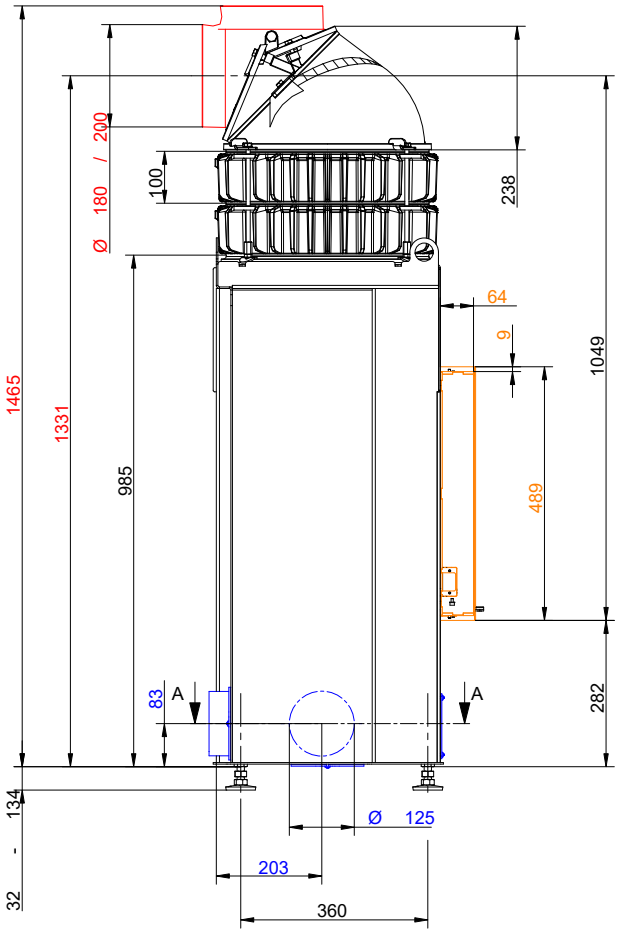

A - A

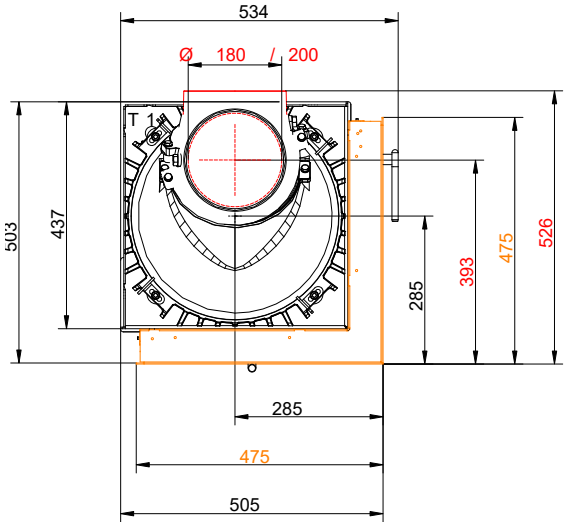
**...mounting bracket and cast iron heat exchanger rings + dome**

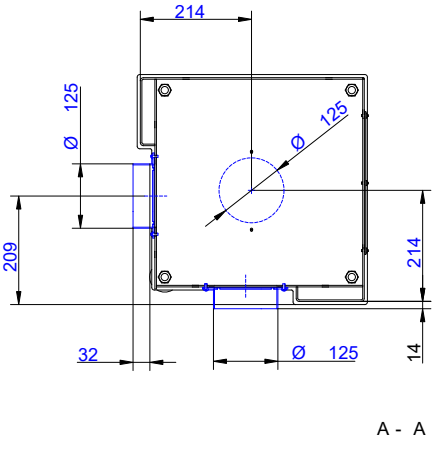
State: 2025-02-27

# Dimension sheets - BKH corner 42-42-42 green




**...door frame and cast iron heat exchanger rings + dome**

We suggest for CAD planning Palette CAD. Permanent updated drawings: www.brunner.de
Frames/ flue gas outlet connection/ combustion air supply connection/ front variants/ support bearing are marked in color.

State: 2025-02-27

# Planning and installation - BKH corner 42-42-42 green

| Tested according to | | EN 13229 W | EN 13229 WA |
|---|---|---|---|
| Values measured at | | Rated power [1] | Storage operation [2] |
| **Data for functional demonstration** | | | |
| Rated heat power | kW | 7 | - |
| Fire wood volume | kg/h | 1.8 | 3.0 |
| Combustion performance | kW | 9 | 13 |
| Flue gas mass flow | g/s | 9 | 13 |
| Flue gas temperature after: | | | |
| Cast iron dome | °C | 220 | 350 |
| 2 x cast iron heat exchanger rings + dome | °C | 200 | 290 |
| 5 x accumulation rings incl. MAS casted cover [3] | °C | - | 260 |
| 2,0 m ceramic accumulator [4] | °C | - | 180 |
| 1,4 m accumulation stones (MSS) [4] | °C | - | 180 |
| Necessary supply pressure | Pa | 12 | 12 |
| Fuel amount | kg | 1.5 | 3.0 |
| Combustion air consumption | m³/h | 20 | 38 |
| Combustion air connection Ø | mm | 125 | 125 |
| **Heat distribution** | | | |
| Insert / reheating surface | % | 25 / 30 | 25 / 30 |
| glass ceramic / glass ceramic coated (GKB) | % | 45 / 35 | 45 / 35 |
| **Cross-section of gratings [5]** | | | |
| exhaust warm air | cm² | 500 | 500 |
| Recirculation air | cm² | 500 | 500 |
| **Minimal oven surface for closed construction type** | | | |
| Heat dissipating surface | m² | 3.5 | 3.5 |
| **Minimal distances of the fireplace** | | | |
| Heat protection panel for cladding, insulation layer | cm | 3 | 3 |
| to cladding, insulation layer | cm | 5 | 5 |
| to the floor (non-combustible) | cm | 3 | 3 |
| **Fire protection with active rear ventilation, intermediate space** | | | |
| Minimum insulation thickness for construction : insulation material I 5 cm rear active ventilation I wall [6] | | | |
| for mounting wall (combustible/non-combustible) | cm | 5 | 5 |
| Minimum insulation thickness for construction: insulation material I 30 cm closed gap I ceiling [7] | | | |
| for ceiling (combustible) | cm | 10 | 10 |
| **Fire protection with adequate insulation material** | | | |
| Minimum insulation thickness for construction: insulation material I mounting wall, ceiling, floor [7] | | | |
| with heat protection panel, mounting wall (non-combustible) [8] | cm | 6 | 6 |
| with heat protection panel, mounting wall (combustible) [8] | cm | 12 | 12 |
| Mounting wall (non-combustible) | cm | 8 | 8 |
| Mounting wall (combustible) | cm | 18 | 18 |
| Ceiling (non-combustible) | cm | 8 | 8 |
| Ceiling (combustible) | cm | 22 | 22 |
| Floor (non-combustible) | cm | 0 | 0 |
| **Minimum distances in front of the combustion chamber, glass ceramic / glass ceramic coated (GKB)** | | | |
| for combustible parts | cm | ≥ 120 / ≥ 80 | ≥ 120 / ≥ 80 |
| **Weight** | | | |

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Phone: +49 / (0)87 21 / 7 71-0
info@brunner.de | www.brunner.de
Subject to technical and assortment changes. Errors excepted.
State: 2025-02-05

# Planning and installation - BKH corner 42-42-42 green

| | | |
|---|---|---|
| Fireplace insert + combustion chamber inner lining chamotte/cast iron | kg | 105 + 44 / 52 |

**Meets requirement/limit values for:**

| | |
|---|---|
| EU / Germany | Ecodesign / 1. BImSchV (Stufe 2) |

1) Indications to "Rated power" determined with 2 heat exchanger rings made of cast iron and Ø180 dome.
2) Indications to "Storage operation" for the manual execution of the reheating surface (guide values).
3) Damper flap recommended
4) Standard value or calculated functional proof required.
5) Air cross-sections if the specified nominal heat output is desired as the heat output.
6) Fire safety: Values determined with air cross-sections recorded for testing purposes; active rear ventilation, stove shell is heat emitting.
   Insulation thickness 5 cm calcium silicate board (brands: Promasil, Silka, Skamol) and 5 cm active rear ventilation with diagonally positioned air circulation and supply air openings of 75 cm $^2$ (5x15 cm) each. For detailed design, see assembly instructions.
7) Fire safety: values determined in safety test with air cross-sections recorded for testing purposes; stove shell is heat emitting.
   Information on replacement insulation material with calcium silicate boards (brands: Promasil, Silka, Skamol).
   The specifications for non-combustible walls/ceilings and the structure with a closed gap (30 cm) correspond to the specifications of TROL (Germany), see assembly instructions.
8) Heat protection plate: accessory for BKH flat/tunnel/corner versions; factory-fitted for BKH panoramic fireplaces.

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