

|                                                                                    | operation when directly<br>connected to chimney                                   | operation when connected<br>accumulation mass                                       |                                                                                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Energy label                                                                       |  |  |  |
| Operating data                                                                     |                                                                                   |                                                                                     |                                                                                     |
| Nominal heat power                                                                 | 7 kW                                                                              | ----                                                                                | ----                                                                                |
| Efficiency                                                                         | > 80 %                                                                            | ----                                                                                | ----                                                                                |
| Consumption of wood                                                                | 2,2 kg/h                                                                          | 3,5 kg                                                                              | 3,1 kg                                                                              |
| Total heat output of the burning chamber                                           | ----                                                                              | 13 kW                                                                               | 11 kW                                                                               |
| Mass flow of flue gas                                                              | 7 g/s                                                                             | 12 g/s                                                                              | 11 g/s                                                                              |
| Required chimney pressure                                                          | 12 Pa                                                                             | 12 Pa                                                                               | 15 Pa                                                                               |
| Required amount of combustion air                                                  | 20 m³/h                                                                           | 30 m³/h                                                                             | 30 m³/h                                                                             |
| Average flue gas temperature                                                       |                                                                                   |                                                                                     |                                                                                     |
| on the output                                                                      | 270 °C                                                                            | 350 °C                                                                              | 333 °C                                                                              |
| past 2,4 m of ceramic accumulation system KMS 240 <sup>1</sup>                     | ----                                                                              | 210 °C                                                                              | ----                                                                                |
| past S-accumulation rings (5x S-acc. ring Ø345mm)                                  | ----                                                                              | ----                                                                                | 211 °C                                                                              |
| Heat distribution                                                                  |                                                                                   |                                                                                     |                                                                                     |
| fireplace insert                                                                   | 56–66 %                                                                           | 30 %                                                                                | 30 %                                                                                |
| door glass (single / double)                                                       | 44 / 0 %                                                                          | 44 / 0 %                                                                            | 44 / 0 %                                                                            |
| adjoining accumulation mass                                                        | ----                                                                              | 36–46 %                                                                             | 36–46 %                                                                             |
| Information for ventilated builds                                                  |                                                                                   |                                                                                     |                                                                                     |
| Minimal grill area supply / outgoing                                               | 700 / 800 cm²                                                                     | 700 / 800 cm²                                                                       | 700 / 800 cm²                                                                       |
| Minimum distance from insulated areas / floor                                      | 50 / 0 mm                                                                         | 50 / 0 mm                                                                           |                                                                                     |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 120 / 70 / 0 / 0 mm                                                               | 120 / 70 / 0 / 0 mm                                                                 |                                                                                     |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 80 / 50 / 0 / 0 mm                                                                | 80 / 50 / 0 / 0 mm                                                                  |                                                                                     |
| Information for non-ventilated builds (closed grills)                              |                                                                                   |                                                                                     |                                                                                     |
| Minimum radiant area <sup>4</sup>                                                  | 4 m²                                                                              | 4 m²                                                                                |                                                                                     |
| Minimum distance from insulated areas / floor                                      | 50 / 20 mm                                                                        | 50 / 20 mm                                                                          |                                                                                     |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 160 / 90 / 0 / 20 mm                                                              | 160 / 90 / 0 / 20 mm                                                                |                                                                                     |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 120 / 70 / 0 / 20 mm                                                              | 120 / 70 / 0 / 20 mm                                                                |                                                                                     |
| General technical information                                                      |                                                                                   |                                                                                     |                                                                                     |
| Total weight / lining weight                                                       | ca. 255 / 65 kg                                                                   | ca. 255 / 65 kg                                                                     |                                                                                     |
| Burning chamber dimensions (width x depth)                                         | 390 x 205 mm                                                                      |                                                                                     |                                                                                     |
| Combustion air connection                                                          | Ø 125 mm                                                                          |                                                                                     |                                                                                     |
| Use in non-ventilated accumulation builds<br>according to craft rules              | suitable                                                                          |                                                                                     |                                                                                     |
| Tested according to                                                                | EN 13229                                                                          |                                                                                     |                                                                                     |
| Meets values                                                                       | 1. BlmSchV (Stufe2), 15a BVG                                                      |                                                                                     |                                                                                     |

<sup>1</sup> Listed value from testing. For accurate results is evaluation of each system in the Ortnr / KOV program necessary.

<sup>2</sup> Mineral wool according to AGI-Q 132

<sup>3</sup> Example SkamoEnclosure Board 225 kg/m³

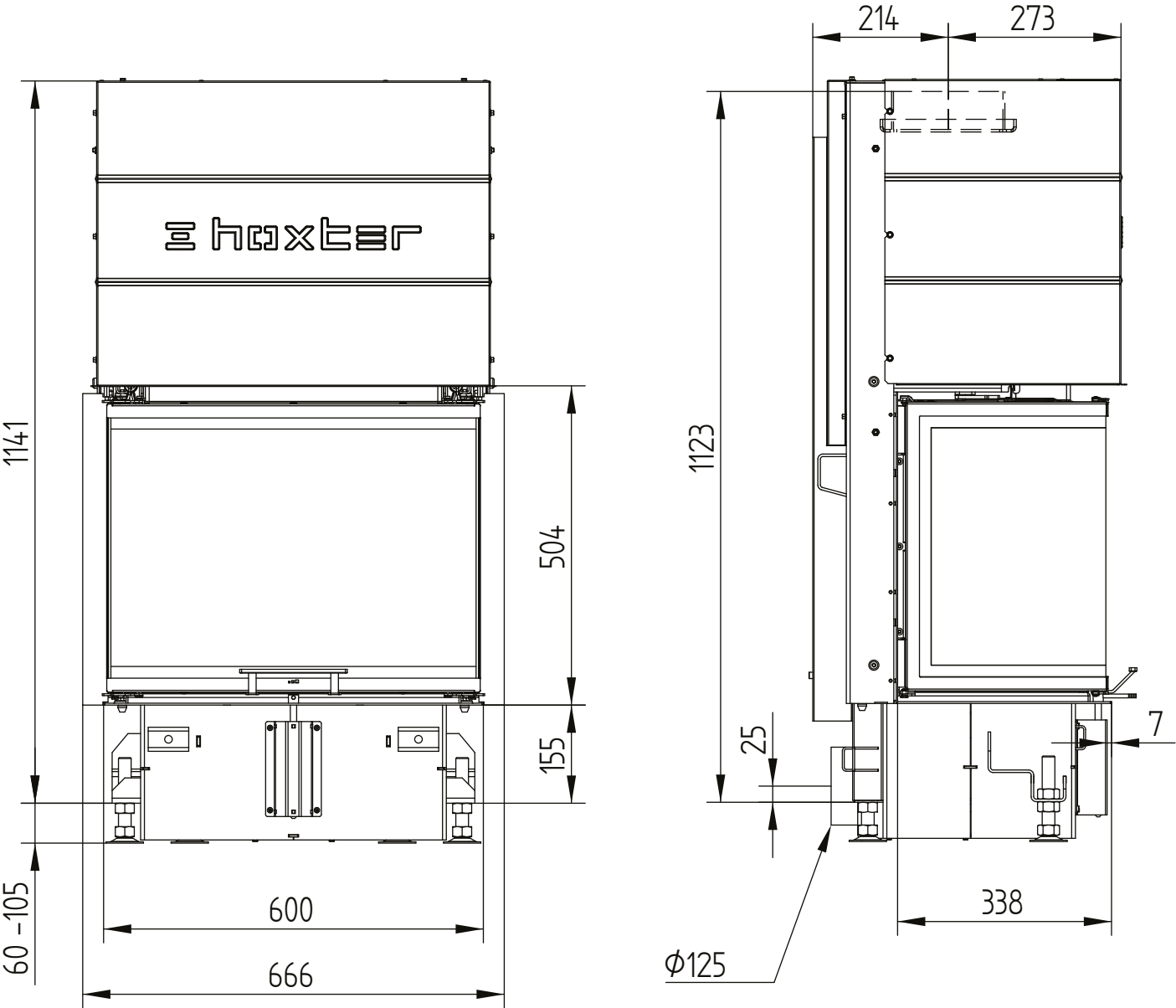
<sup>4</sup> Depends on accumulation period and material characteristics. Listed values calculated with chamotte stone thickness 30 mm with radiant area 500 W/m²

# UKA 35/60/35/50S

Technical data  
Version 2019/08

air connection / feet

M 1:10

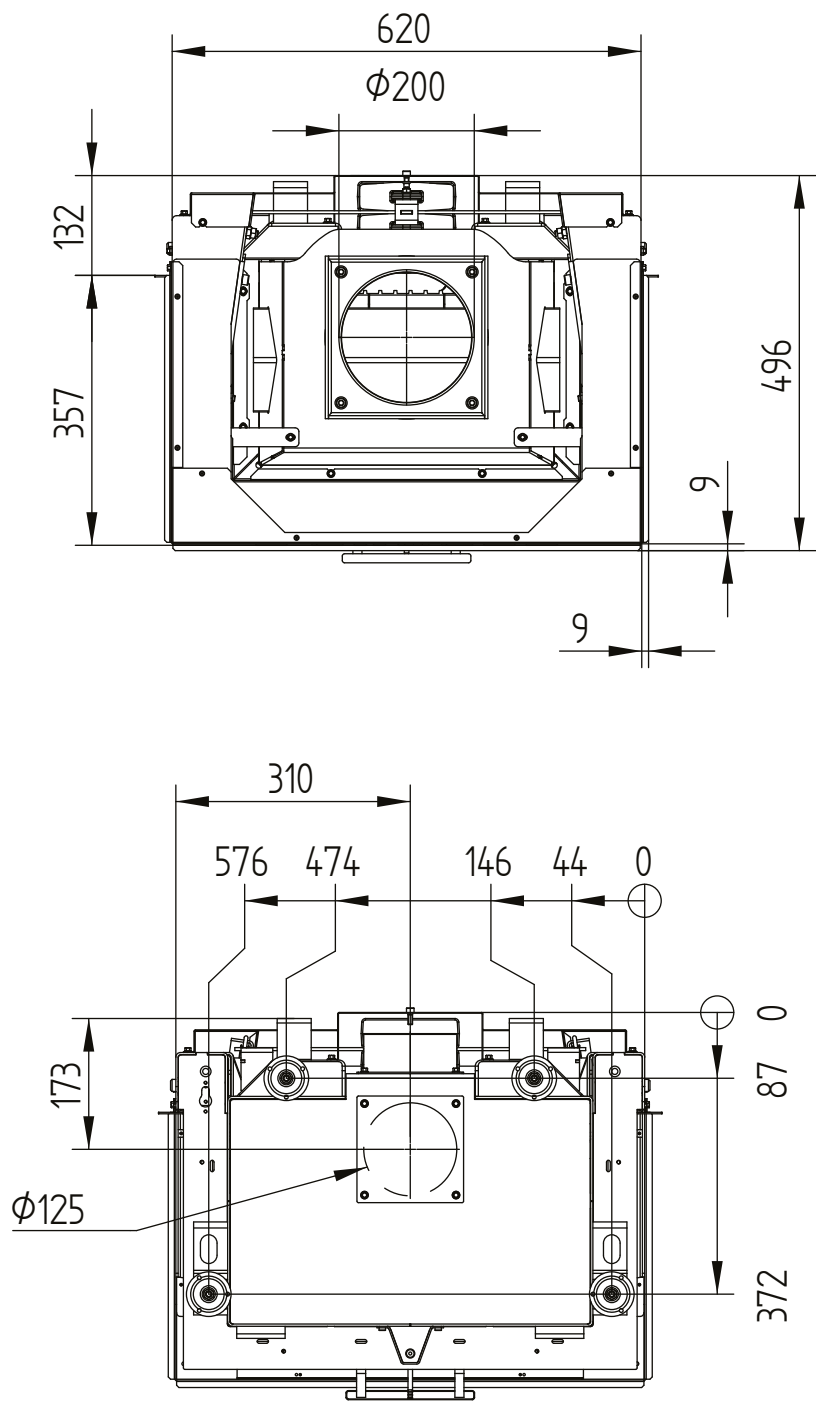


# UKA 35/60/35/50S

Technical data  
Version 2019/08

air connection / feet

M 1:10

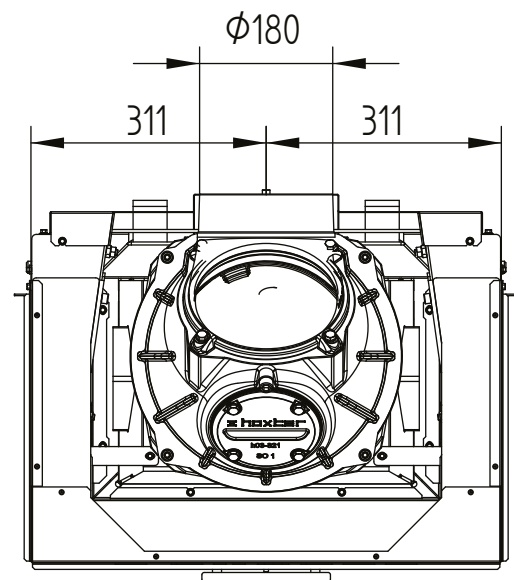
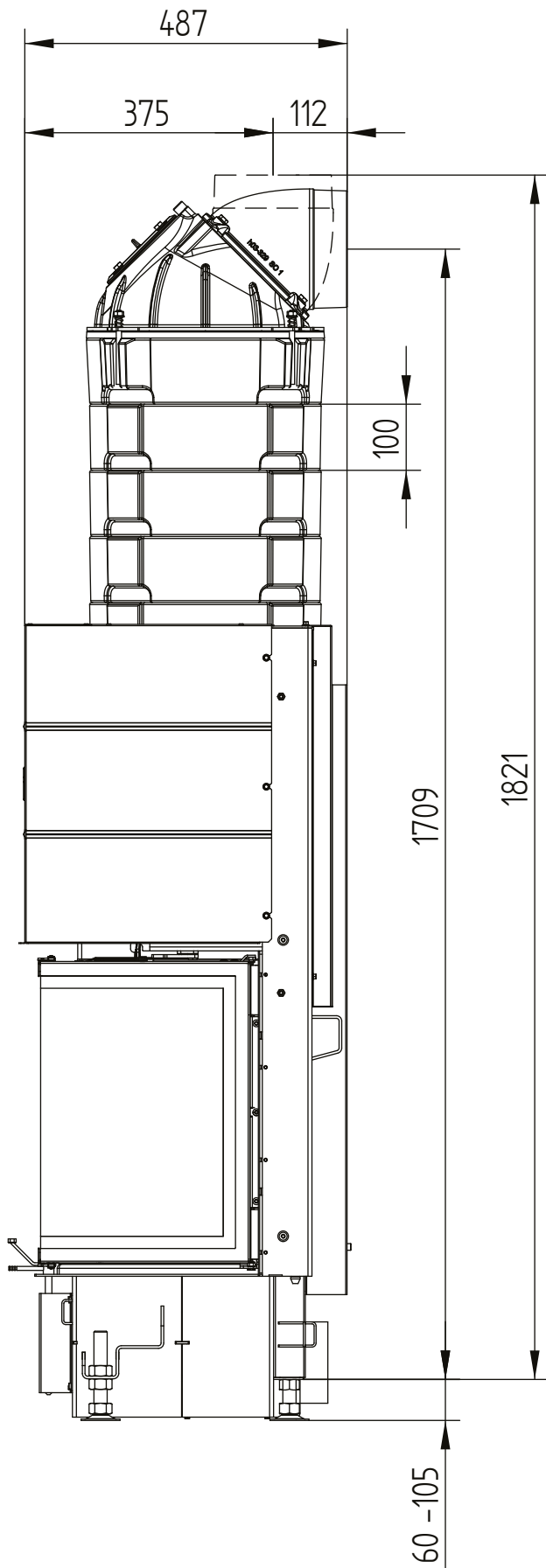


# UKA 35/60/35/50S

Technical data  
Version 2019/08

S-accumulation rings

M 1:10

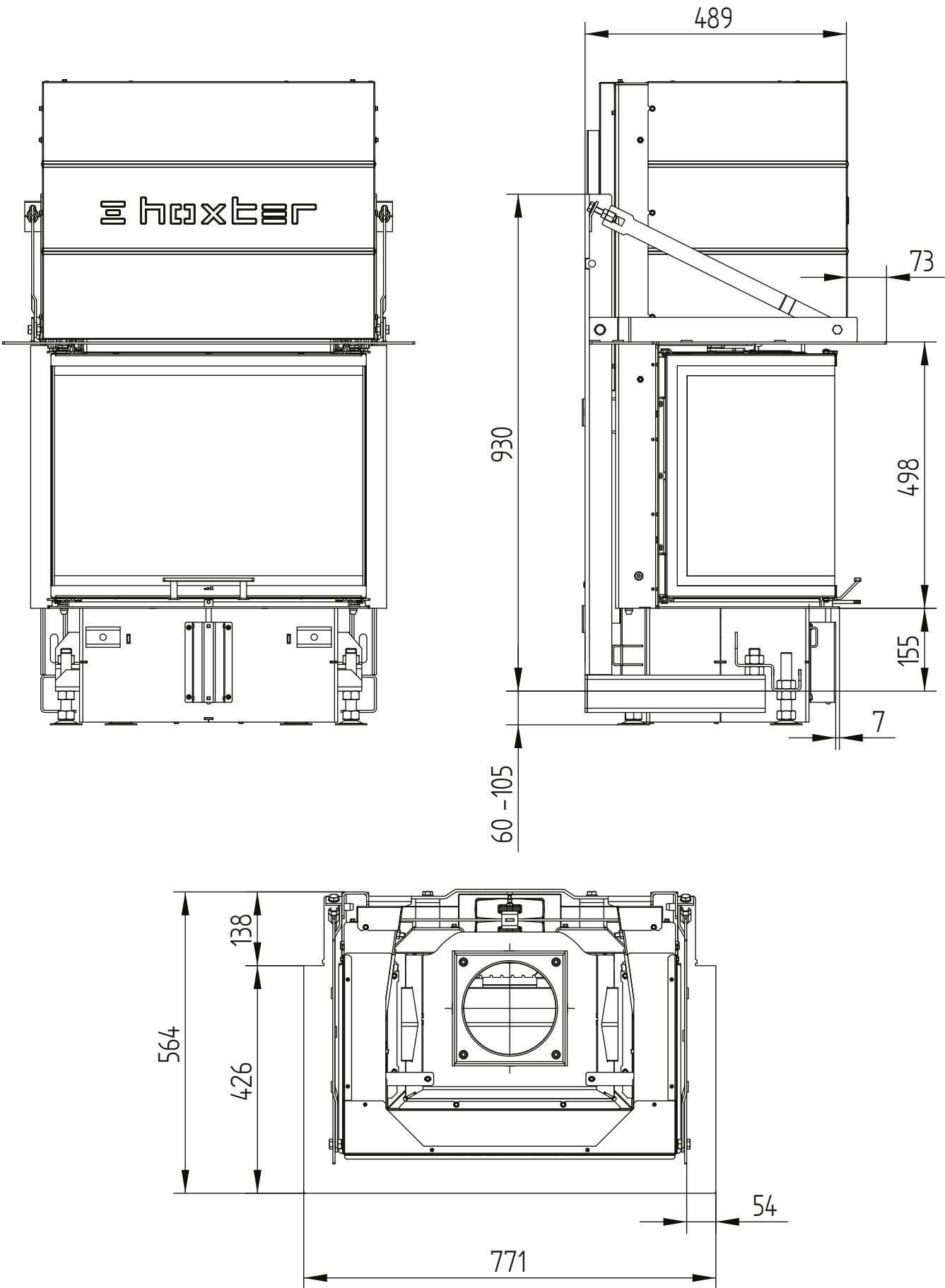


# UKA 35/60/35/50S

Technical data  
Version 2019/08

supporting construction incl. build-on frame 3sides 70 mm

M 1:10

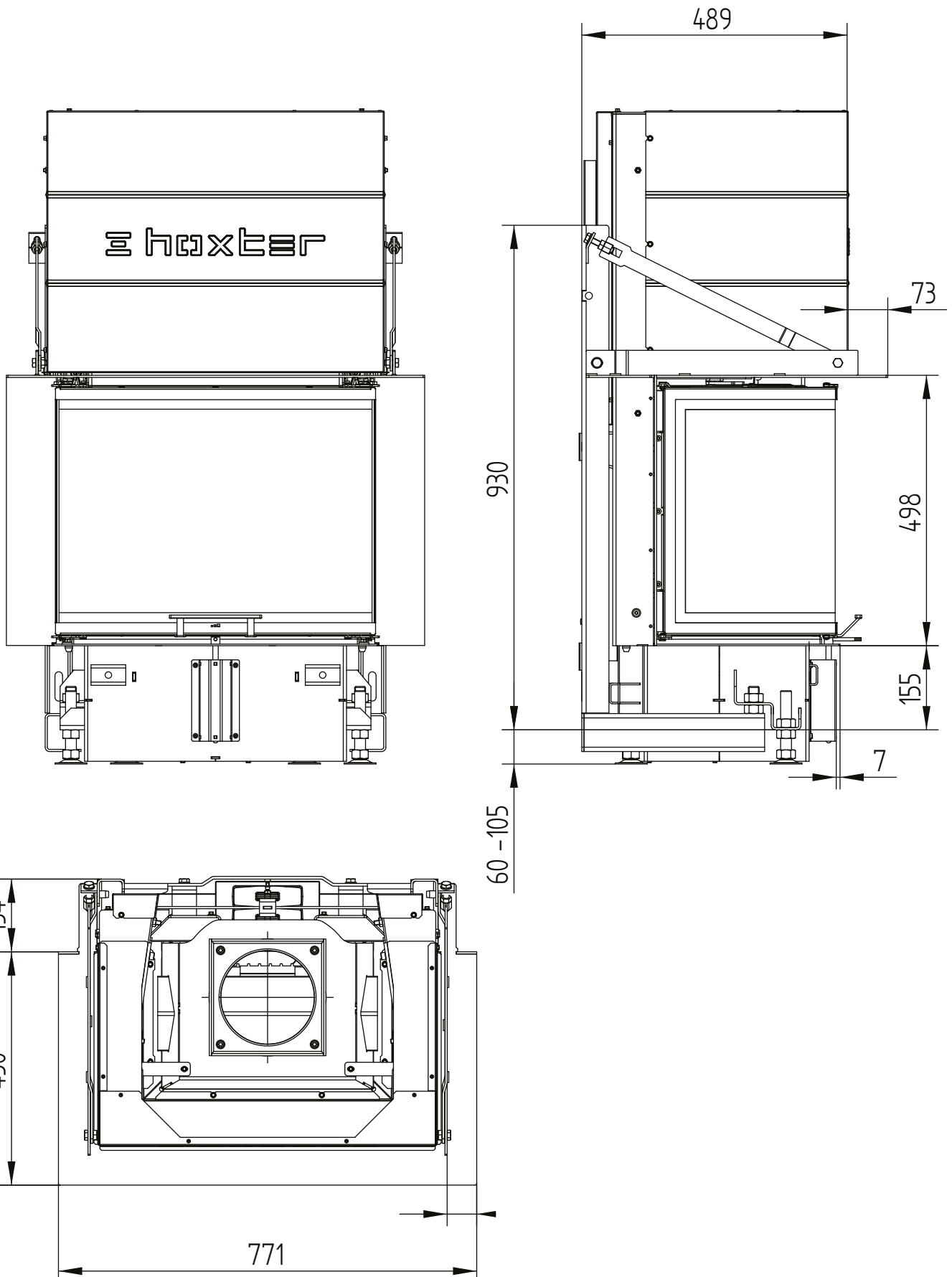


# UKA 35/60/35/50S

Technical data  
Version 2019/08

supporting construction incl. build-on frame 5sides 70 mm

M 1:10



# UKA 35/60/35/50S

Technical data  
Version 2019/08

supporting construction incl. build-on frame 8sides 70 mm

M 1:10

