

**Technical data**

|                                                                                    | operation when directly connected to chimney |
|------------------------------------------------------------------------------------|----------------------------------------------|
| Energy label                                                                       | <b>A+</b>                                    |
| <b>Operating data</b>                                                              |                                              |
| Nominal heat power                                                                 | 12 kW                                        |
| Efficiency                                                                         | > 80 %                                       |
| Consumption of wood                                                                | 3,5 kg/h                                     |
| Total heat output of the burning chamber                                           | ----                                         |
| Mass flow of flue gas                                                              | 10 g/s                                       |
| Required chimney pressure                                                          | 12 Pa                                        |
| Required amount of combustion air                                                  | 30 m³/h                                      |
| <b>Average flue gas temperature</b>                                                |                                              |
| on the output                                                                      | 265 °C                                       |
| <b>Heat distribution</b>                                                           |                                              |
| fireplace insert                                                                   | 54-65 %                                      |
| door glass (single / double)                                                       | 46 / 35 %                                    |
| additional accumulation mass                                                       | ----                                         |
| <b>Information for ventilated builds</b>                                           |                                              |
| Minimal grill area supply / outgoing                                               | 1200 cm²                                     |
| Minimum distance from insulated areas / floor                                      | 80 / 0 mm                                    |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 120 / 0 / 80 / 0 mm                          |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 90 / 0 / 60 / 0 mm                           |
| <b>Information for non-ventilated builds (closed grills)</b>                       |                                              |
| Minimum radiant area <sup>4</sup>                                                  | suitable                                     |
| Minimum distance from insulated areas / floor                                      | 80 / 20 mm                                   |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 160 / 0 / 100 / 20 mm                        |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 120 / 0 / 75 / 20 mm                         |
| <b>General technical information</b>                                               |                                              |
| Total weight / lining weight                                                       | circa 250–370 / 105 kg                       |
| Burning chamber dimensions (width x depth)                                         | 810 x 315 mm                                 |
| Combustion air connection                                                          | Ø 150 mm                                     |
| Use in non-ventilated accumulation builds according to craft rules                 | suitable                                     |
| Tested according to                                                                | EN 16510-1 ed. 2:2023, EN 16510-2-2:2022     |
| Meets values                                                                       | BlmSchV (Stufe2), 15a BVG                    |

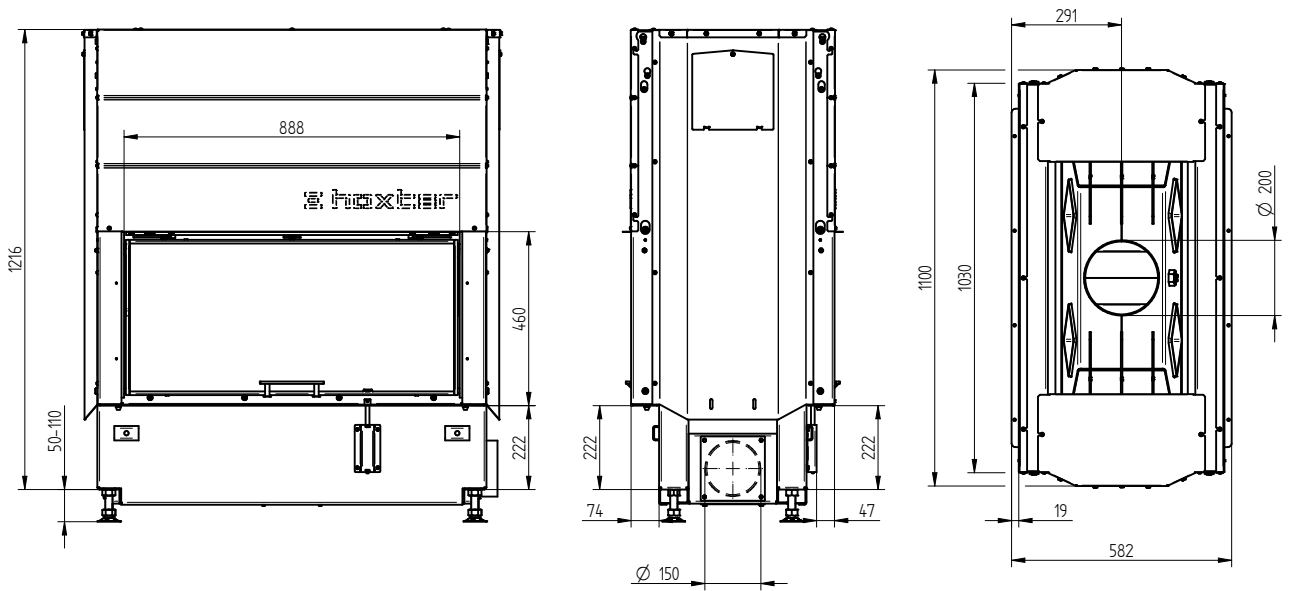
**1** Listed value from testing. For accurate results is evaluation of each system in the Ortnr / KOV program necessary

**2** Mineral wool according to AGI-Q 132

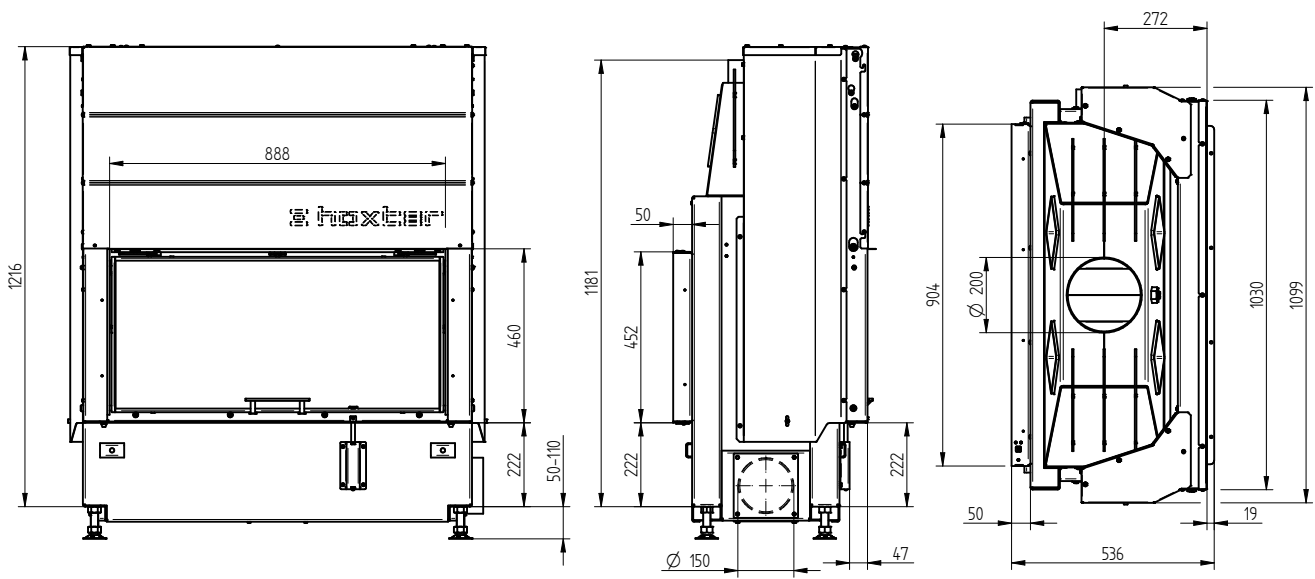
**3** Example SkamoEnclosure Board 225 kg/m³

**4** Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

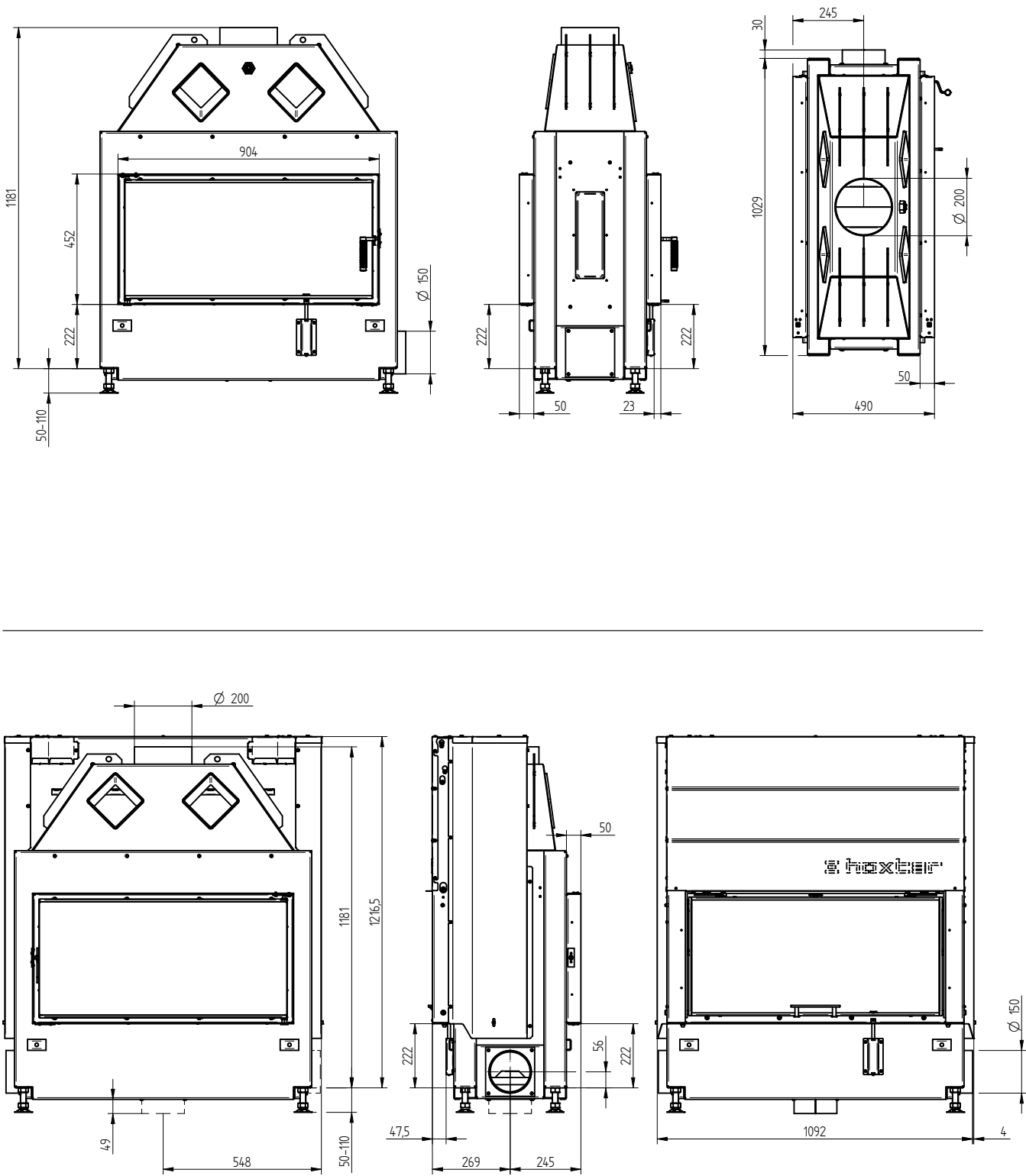
HAKA 89/45 tunnel door version liftdoor / liftdoor



HAKA 89/45 tunnel door version liftdoor / side opening



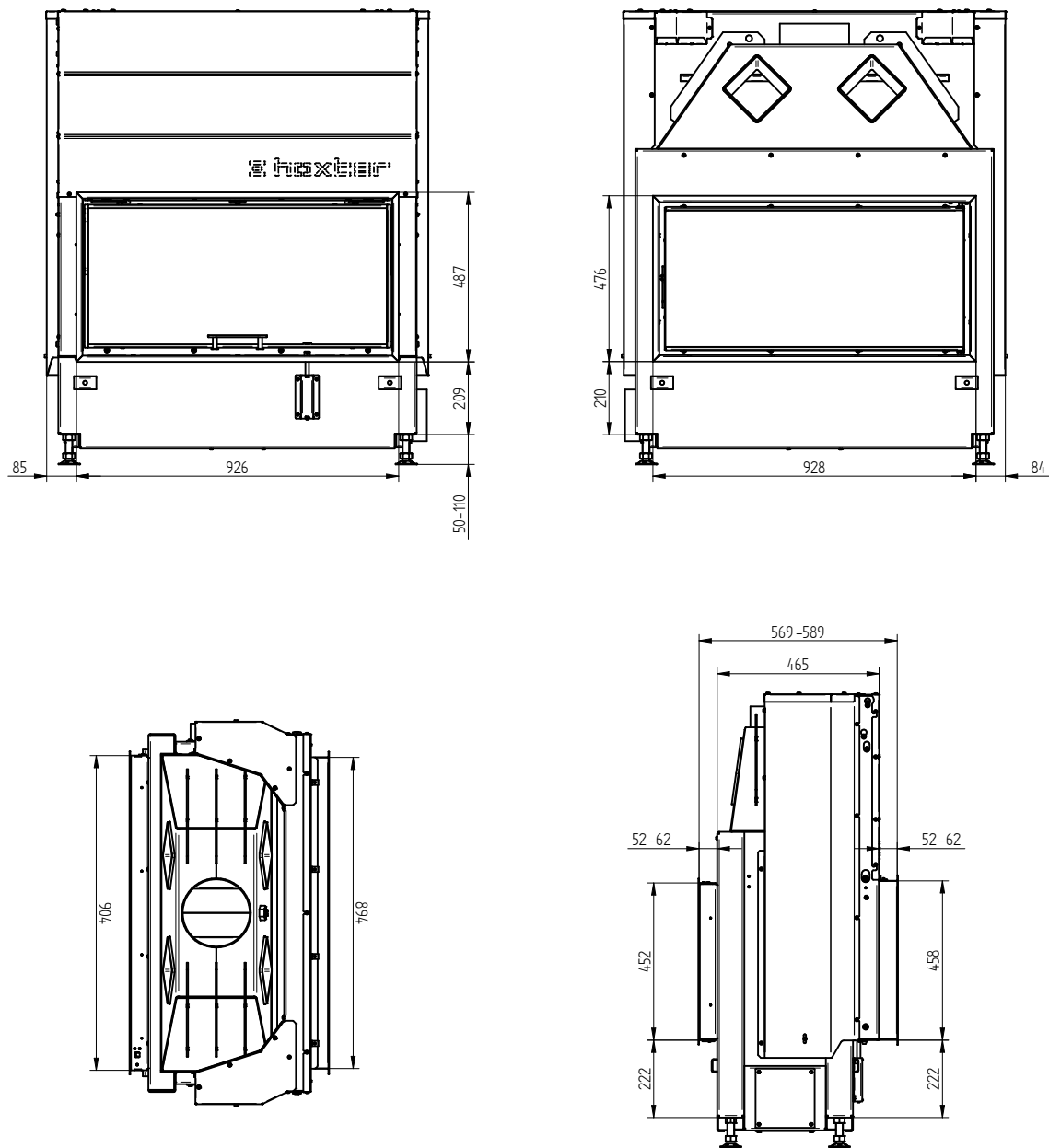
HAKA 89/45 tunnel door version side opening / side opening



# HAKA 89/45T

Technical data  
Date 06/2026

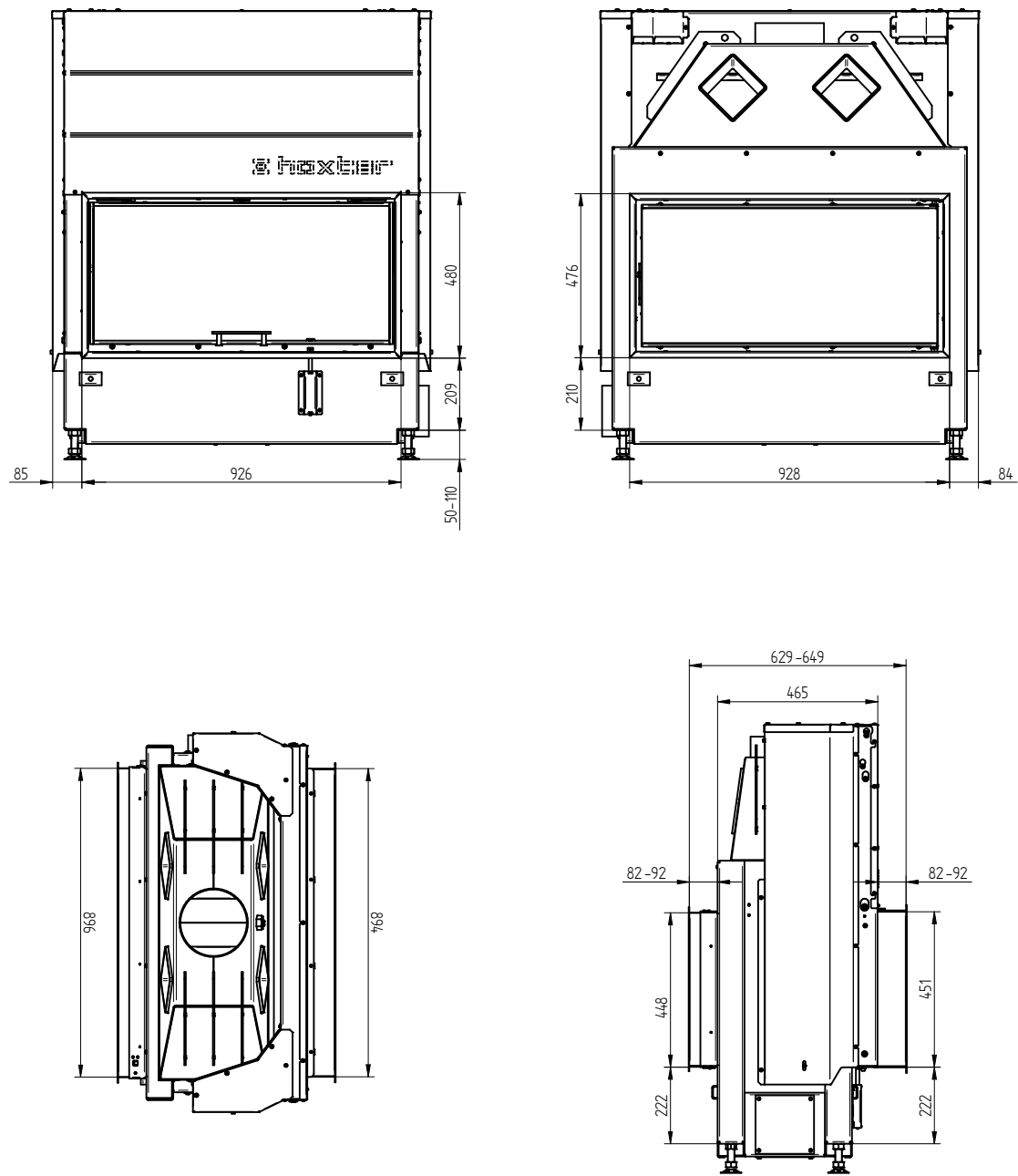
Cover frame 89/45 4sides 1 x 90°, 50 mm



# HAKA 89/45T

Technical data  
Date 06/2026

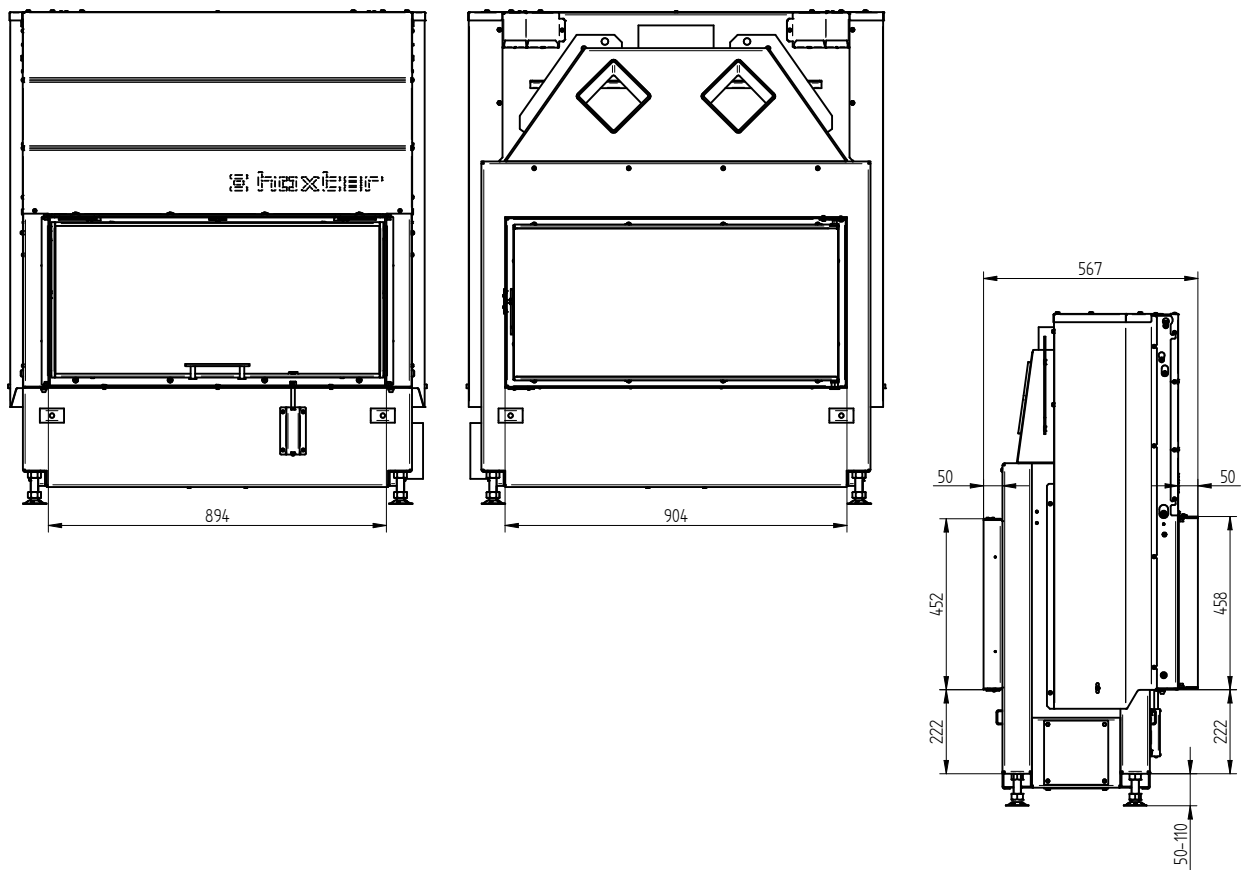
Cover frame 89/45 4sides 1 x 90°, 80 mm



# HAKA 89/45T

Technical data  
Date 06/2026

Build-on frame 89/45 4sides, 50 mm



Build-on frame 89/45 4sides, 80 mm

