

### Technical data

| Technical data                                                                     | operation when directly connected to chimney                                      |                                                                                   | operation when connected accumulation mass |              |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|--------------|
|                                                                                    | cupola                                                                            | hot air exchanger                                                                 | cupola                                     | adaptor      |
| Energy label                                                                       |  |  | ----                                       | ----         |
| Operating data                                                                     |                                                                                   |                                                                                   |                                            |              |
| Nominal heat power                                                                 | 8 kW                                                                              | 13 kW                                                                             | ----                                       | ----         |
| Efficiency                                                                         | > 80 %                                                                            | > 80 %                                                                            | ----                                       | ----         |
| Consumption of wood                                                                | 2,3 kg/h                                                                          | 3,8 kg/h                                                                          | 5,5 kg                                     | 5,5 kg       |
| Total heat output of the burning chamber                                           | ----                                                                              | ----                                                                              | 22 kW                                      | 22 kW        |
| Average heat output / heat accumulation time <sup>5</sup>                          | ----                                                                              | ----                                                                              | 2,2 kW / 8 h                               | 2,2 kW / 8 h |
| Mass flow of flue gas                                                              | 8 g/s                                                                             | 11 g/s                                                                            | 20 g/s                                     | 20 g/s       |
| Required chimney pressure                                                          | 12 Pa                                                                             | 12 Pa                                                                             | 12 Pa                                      | 15 Pa        |
| Required amount of combustion air                                                  | 25 m³/h                                                                           | 35 m³/h                                                                           | 50 m³/h                                    | 50 m³/h      |
| Average flue gas temperature                                                       |                                                                                   |                                                                                   |                                            |              |
| on the output                                                                      | 257 °C                                                                            | 265 °C                                                                            | 376 °C                                     | 385 °C       |
| behind 3,4 m of ceramic accumulation system KMS 300 <sup>1</sup>                   | ----                                                                              | ----                                                                              | 199 °C                                     | ----         |
| behind accumulation rings (5x acc. ring Ø440mm)                                    | ----                                                                              | ----                                                                              | ----                                       | 230 °C       |
| Heat distribution                                                                  |                                                                                   |                                                                                   |                                            |              |
| fireplace insert                                                                   | 62–80 %                                                                           | 62–80 %                                                                           | 40 %                                       | 35 %         |
| door glass (single / double)                                                       | 38 / 20 %                                                                         | 38 / 20 %                                                                         | 38 / 20 %                                  | 38 / 20 %    |
| additional accumulation mass                                                       | ----                                                                              | ----                                                                              | 22–40 %                                    | 30–45 %      |
| Information for ventilated builds                                                  |                                                                                   |                                                                                   |                                            |              |
| Minimal grill area supply / outgoing                                               | 900 cm²                                                                           | 1200 cm²                                                                          | 1200 cm²                                   | 1200 cm²     |
| Minimum distance from insulated areas / floor                                      | 80 / 0 mm                                                                         |                                                                                   | 80 / 0 mm                                  |              |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 120 / 0 / 80 / 0 mm                                                               |                                                                                   | 120 / 0 / 80 / 0 mm                        |              |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 90 / 0 / 60 / 0 mm                                                                |                                                                                   | 90 / 0 / 60 / 0 mm                         |              |
| Information for non-ventilated builds (closed grills)                              |                                                                                   |                                                                                   |                                            |              |
| Minimum radiant area <sup>4</sup>                                                  | suitable                                                                          |                                                                                   | 4,5 m²                                     |              |
| Minimum distance from insulated areas / floor                                      | 80 / 20 mm                                                                        |                                                                                   | 80 / 20 mm                                 |              |
| Reference insulation <sup>2</sup><br>ceiling / back wall / side wall / floor       | 160 / 0 / 100 / 20 mm                                                             |                                                                                   | 160 / 0 / 100 / 20 mm                      |              |
| Calciumsilicate insulation <sup>3</sup><br>ceiling / back wall / side wall / floor | 120 / 0 / 75 / 20 mm                                                              |                                                                                   | 120 / 0 / 75 / 20 mm                       |              |
| General technical information                                                      |                                                                                   |                                                                                   |                                            |              |
| Total weight / lining weight                                                       | circa 250 / 113 kg                                                                |                                                                                   | circa 250 / 113 kg                         |              |
| Burning chamber dimensions (width x depth)                                         | 705 x 355 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                                                                       | 1. BImSchV (Stufe2), 15a BVG                                                      |                                                                                   |                                            |              |

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

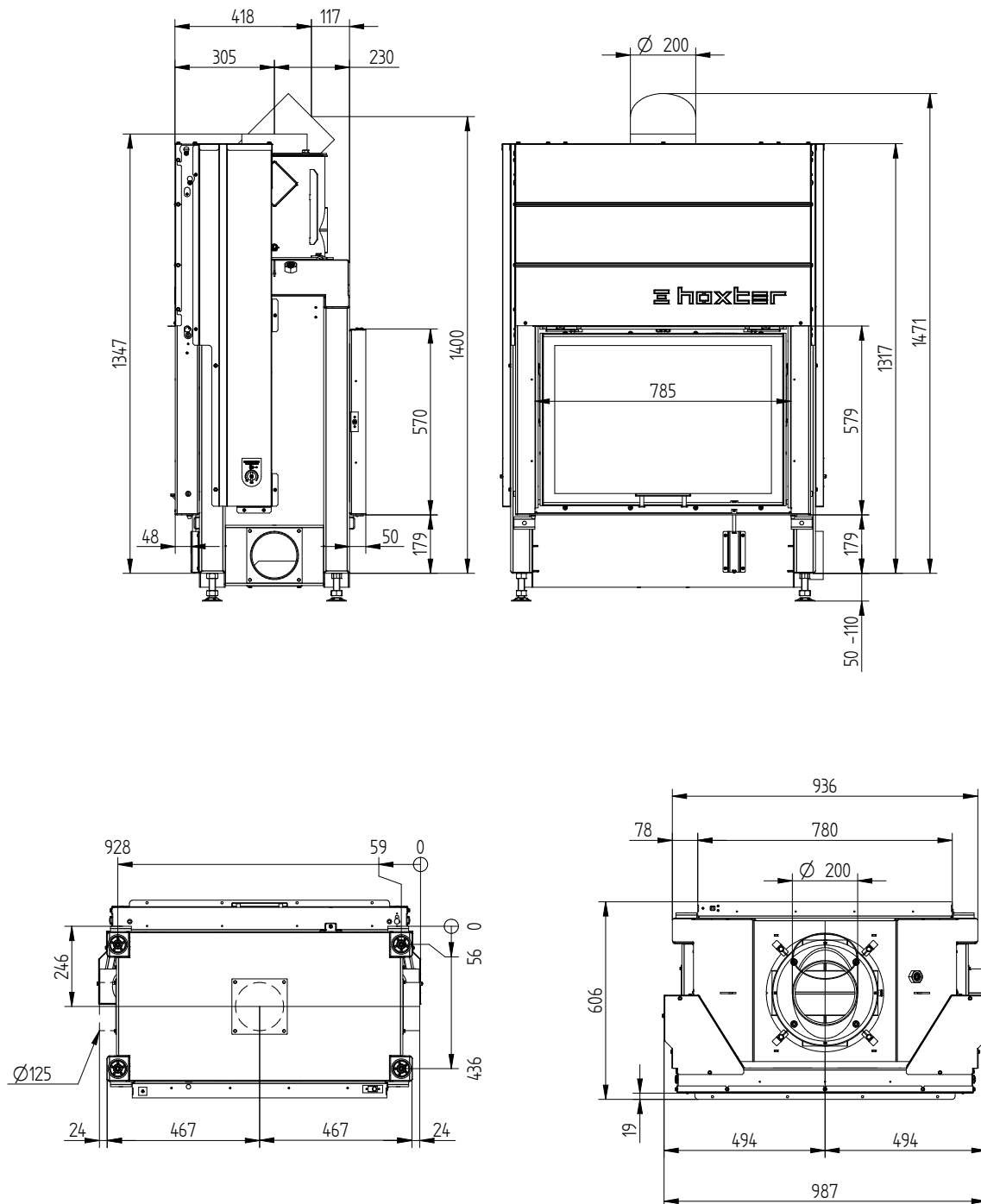
<sup>2</sup> Mineral wool according to AGI-Q 132

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

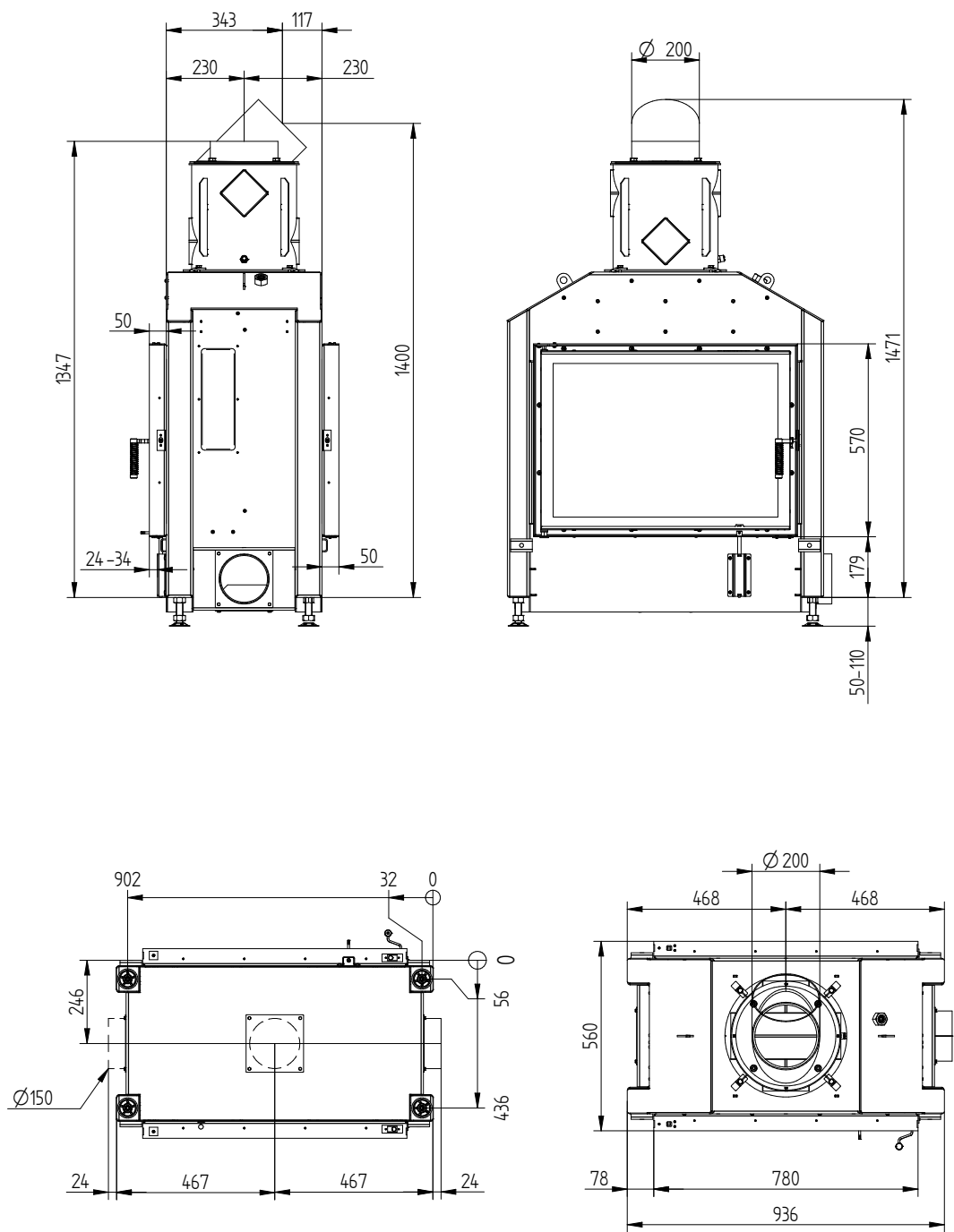
<sup>4</sup> Depends on accumulation period and material characteristics. Listed values calculated with average specific heat output = approx. 500 W/m²

<sup>5</sup> Storage operation, one wood charge for storage duration, with closed construction and efficiency > 80%

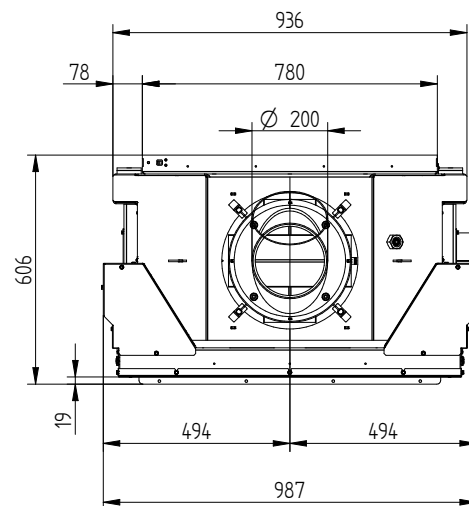
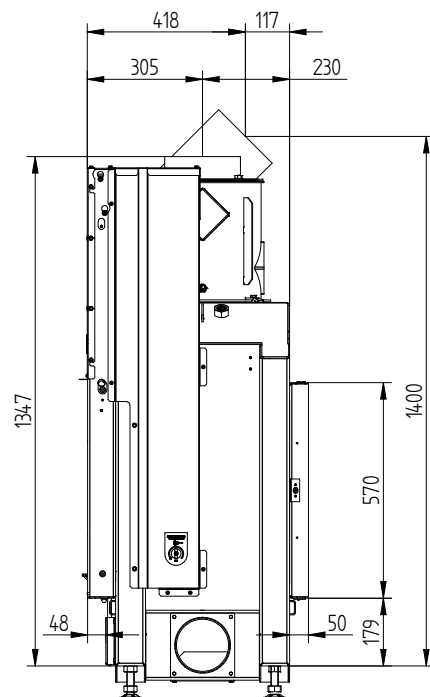
## HAKA 78/57 tunnel hot air exchanger vertical / smoke outlet 45° / air inlet / feet



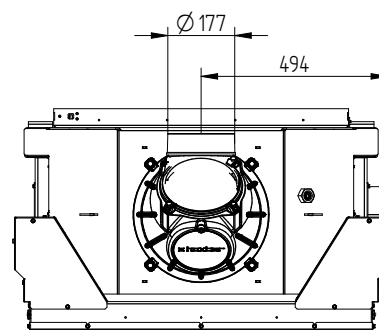
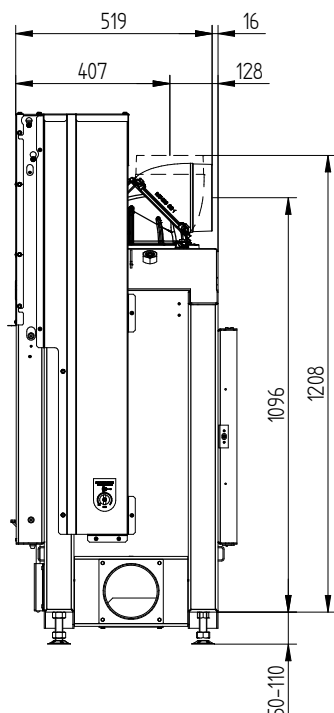
HAKA 78/57 tunnel hot air exchanger vertical / smoke outlet 45° / air inlet / feet



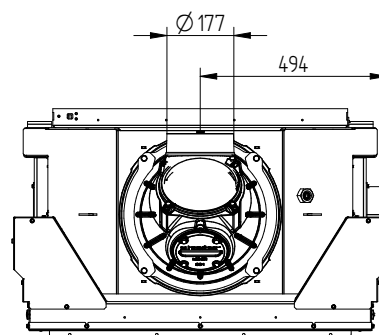
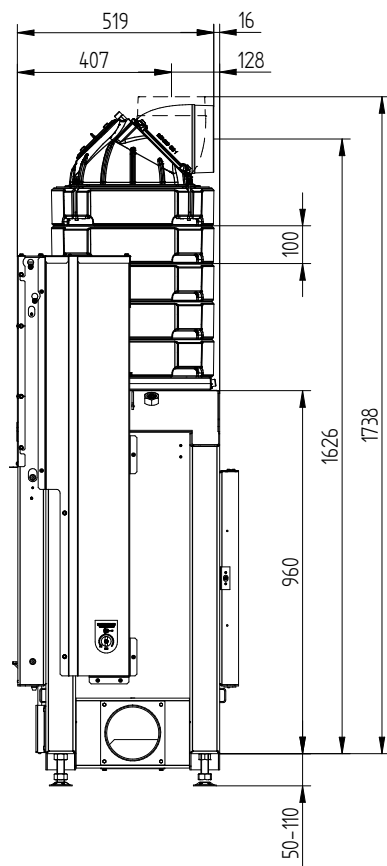
## HAKA 78/57 tunnel hot air exchanger vertical



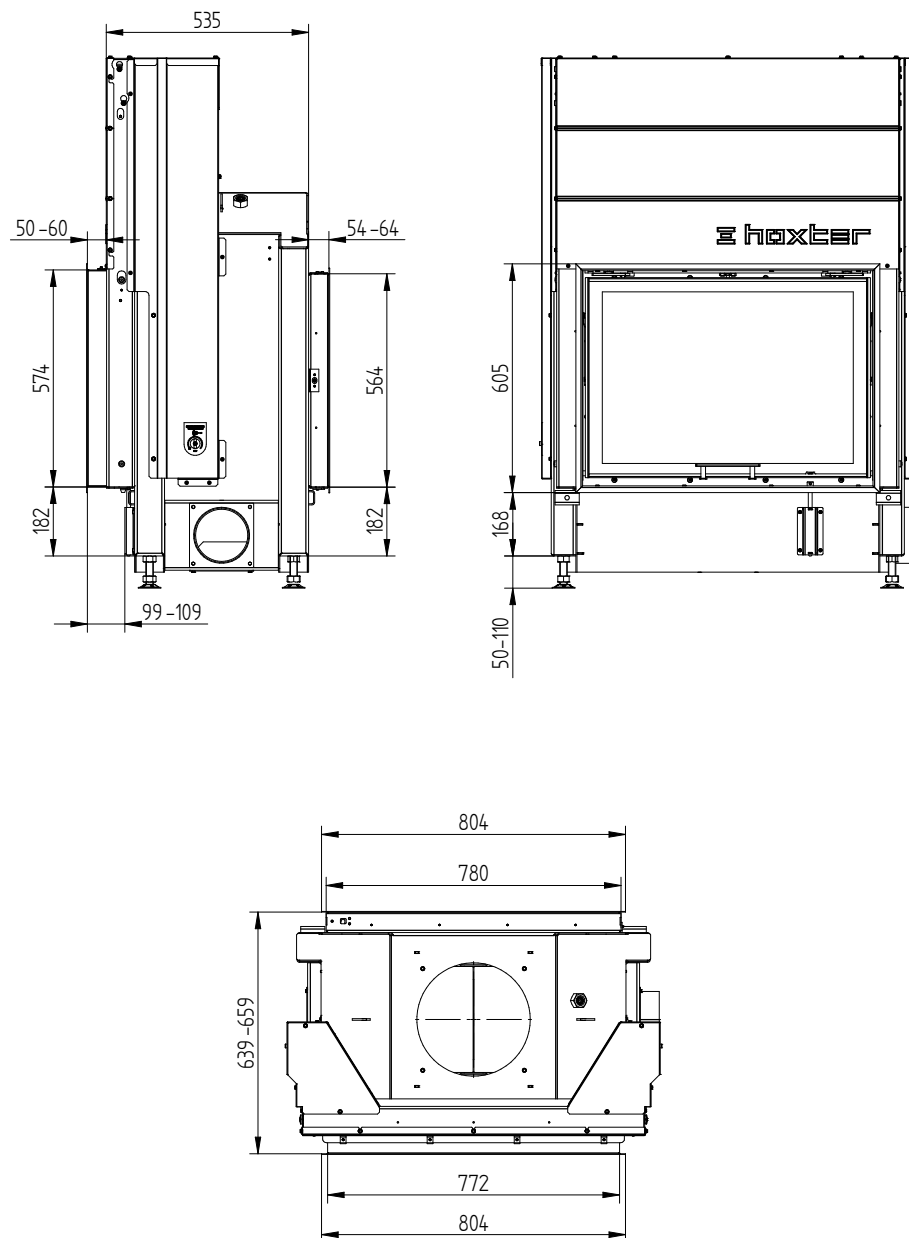
## HAKA 78/57 tunnel cupola



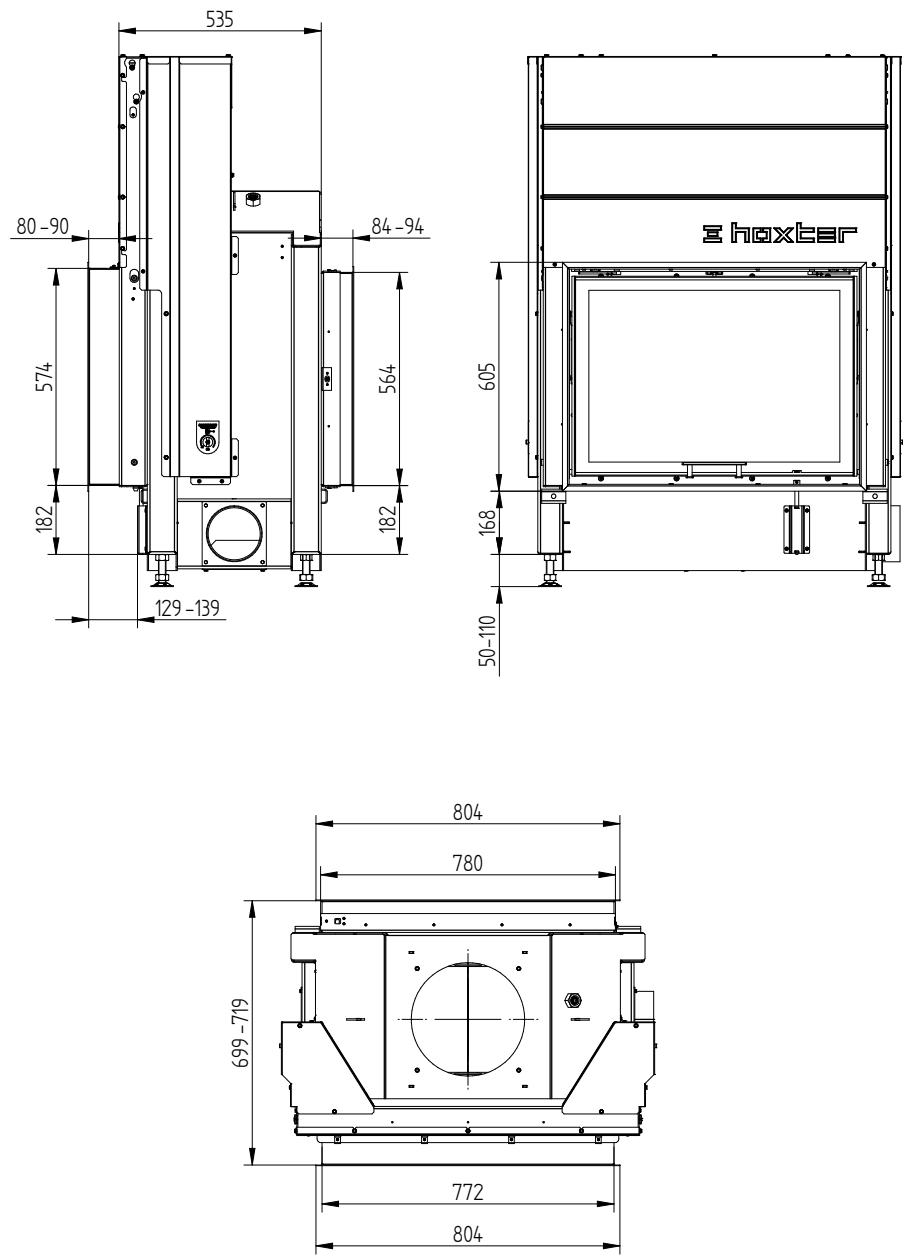
HAKA 78/57 tunnel accumulation set



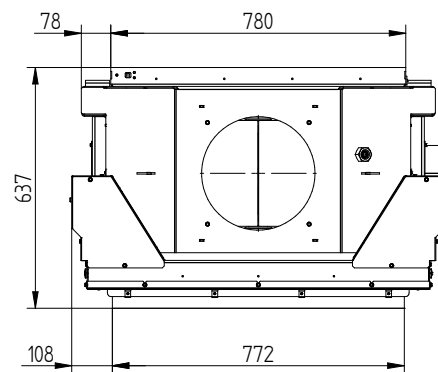
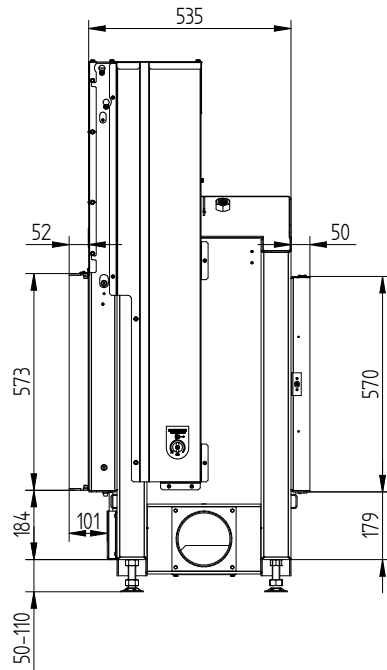
## Cover frame 78/57h 4sides 50 mm 1 x 90°



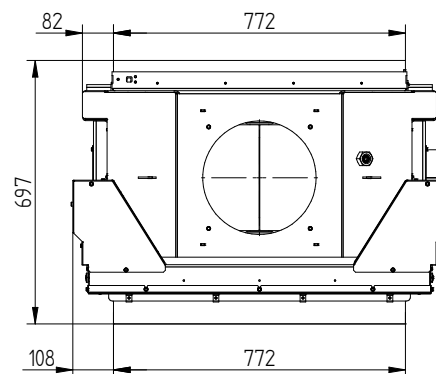
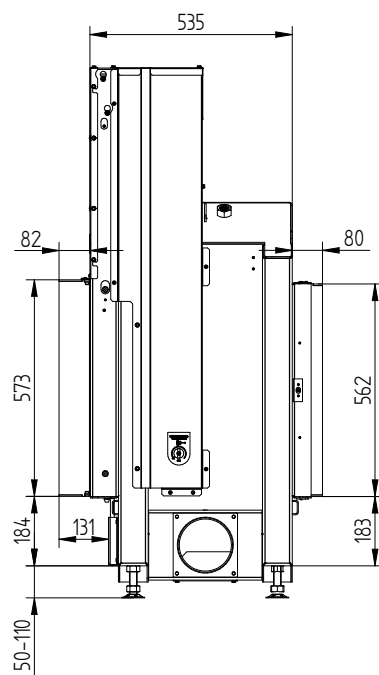
Cover frame 78/57h 4sides 80 mm 1 x 90°



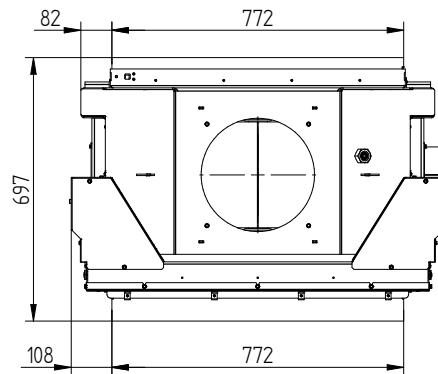
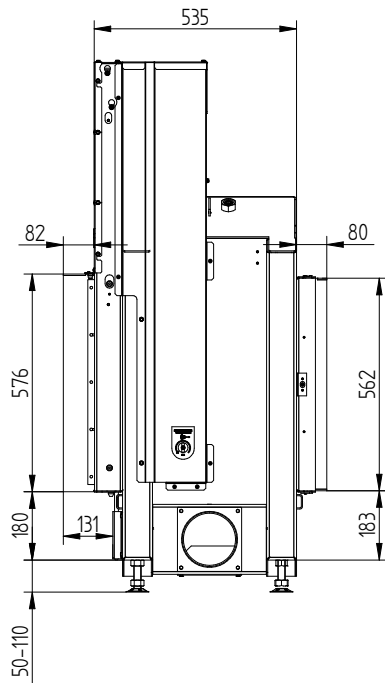
## Build-on frame 78/57h 4sides 50 mm



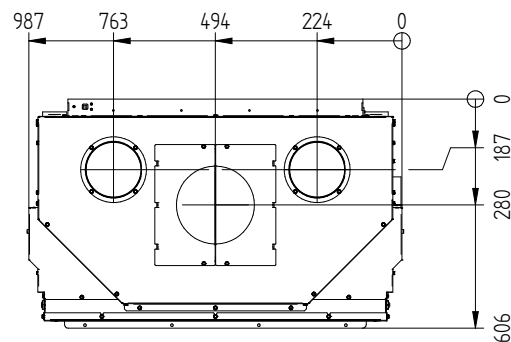
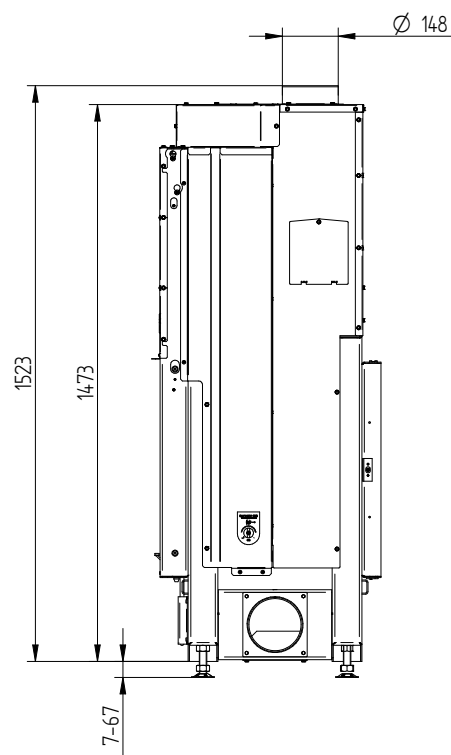
## Build-on frame 78/57h 4sides 80 mm



Build-on frame 78/57h 3sides 80 mm



Convection jacket 78/57h liftdoor hot air exchanger vertical



# HAKA 78/57T

Technical data  
Date 06/2026