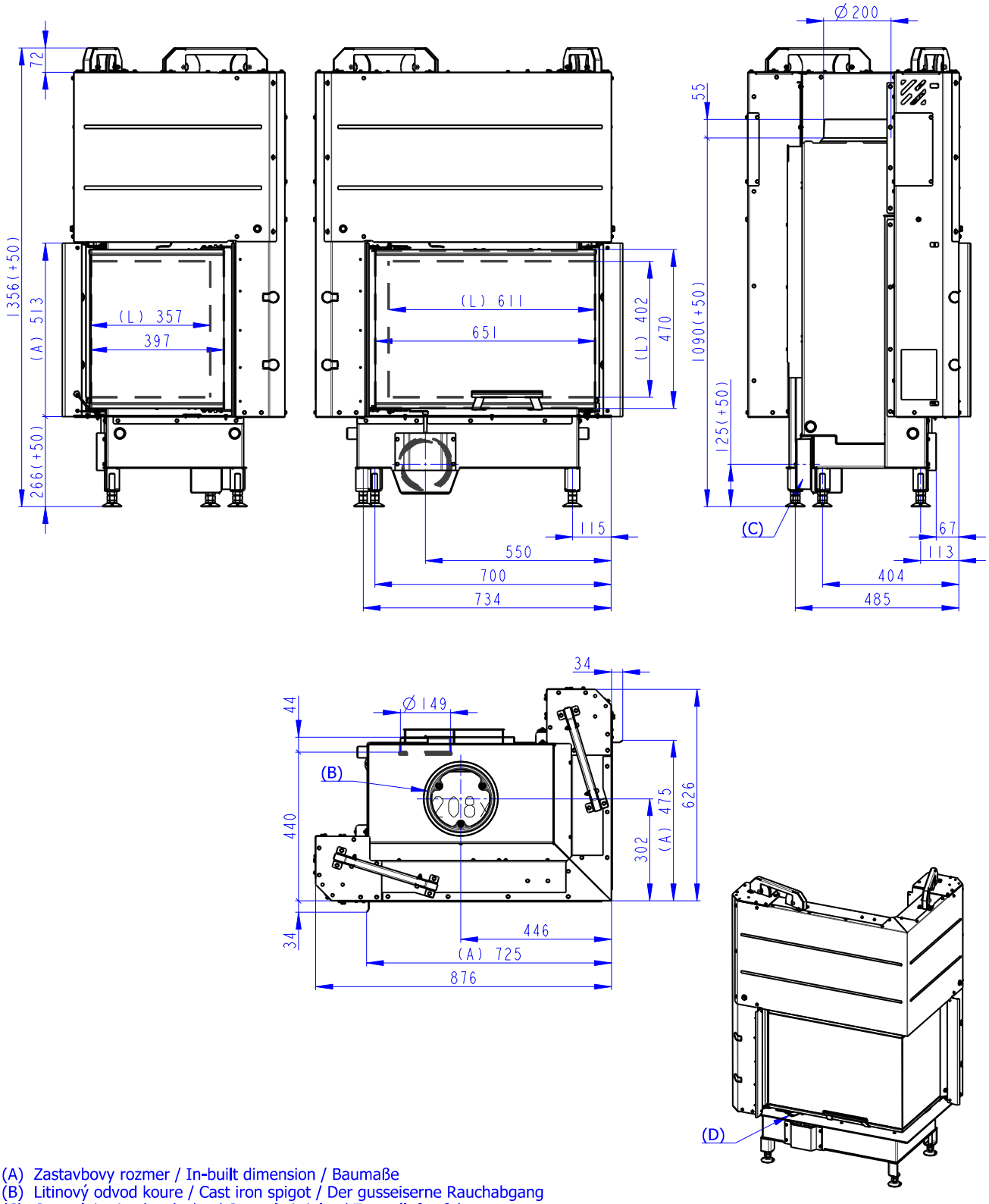
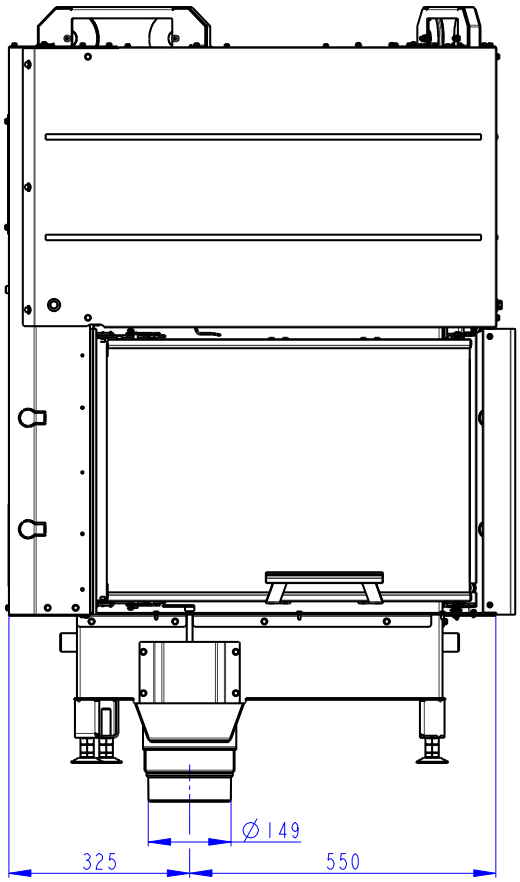
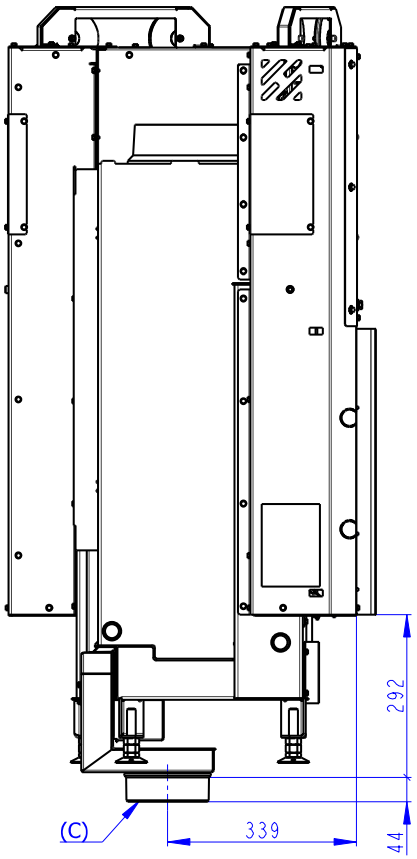
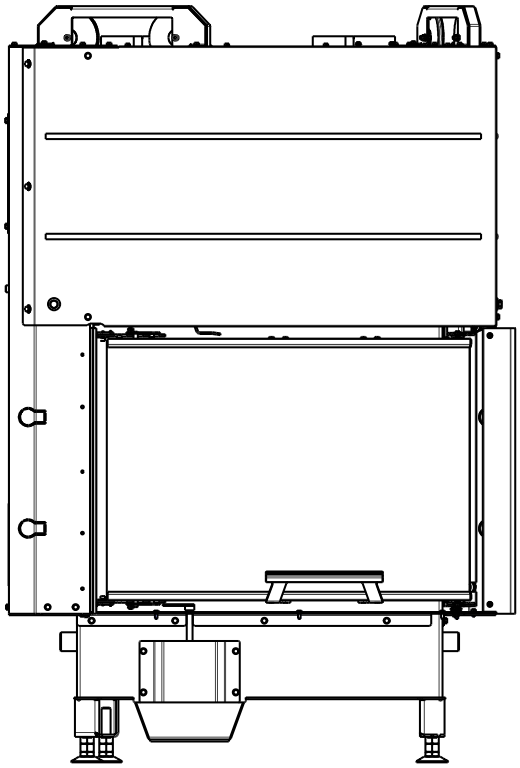
# Heat R 3g L 65.51.40.21 (24,25,26)

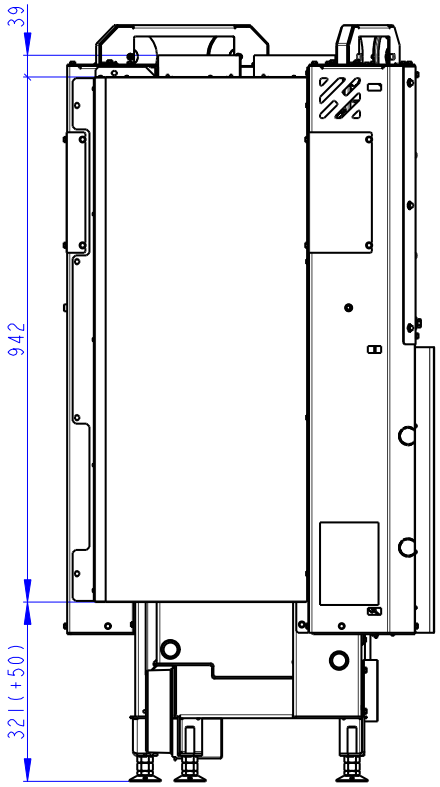


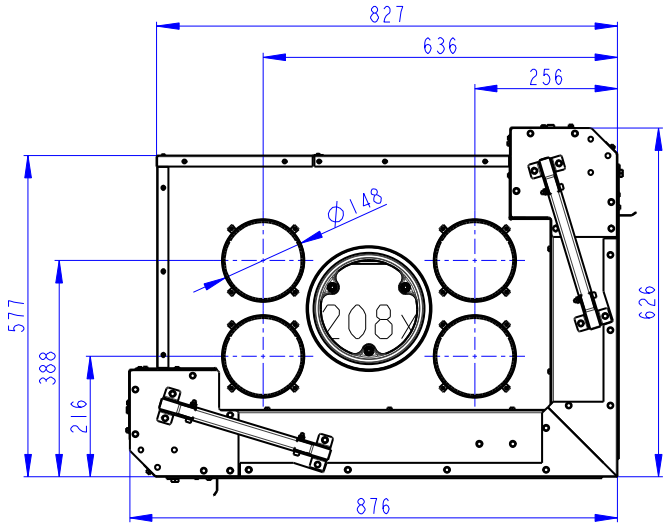

(A) Zastavbovy rozmer / In-built dimension / Baumaße
(B) Litinový odvod koure / Cast iron spigot / Der gusseiserne Rauchabgang
(C) Centralni privod vzduchu / Central air inlet / Zentralluftzufuhr
(D) Primarni a sekundarni vzduch / Primary and secondary air / Primärluft und Sekundärluft
(L) Volna plocha proskleni / Free glass area / Freie Glassichtfläche

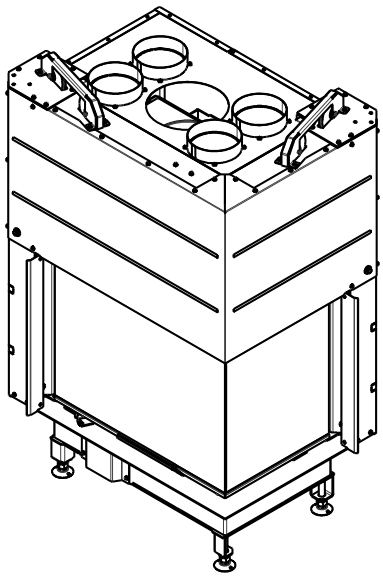

Ø149
325
550


292
(C)
339
44



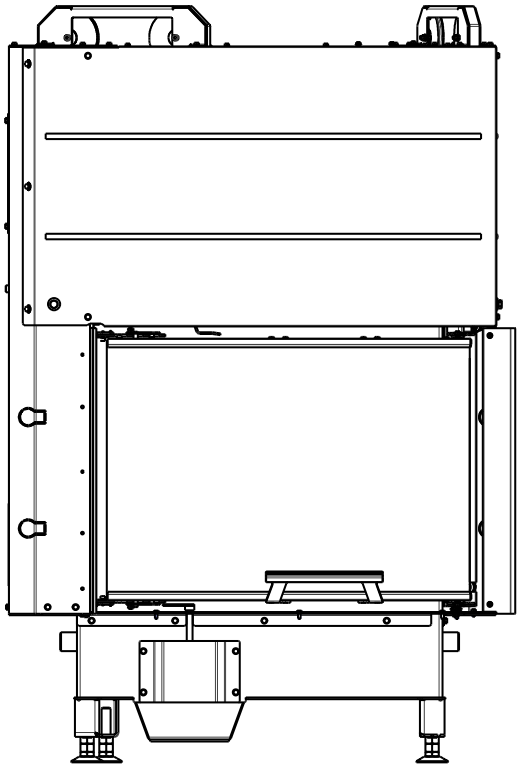


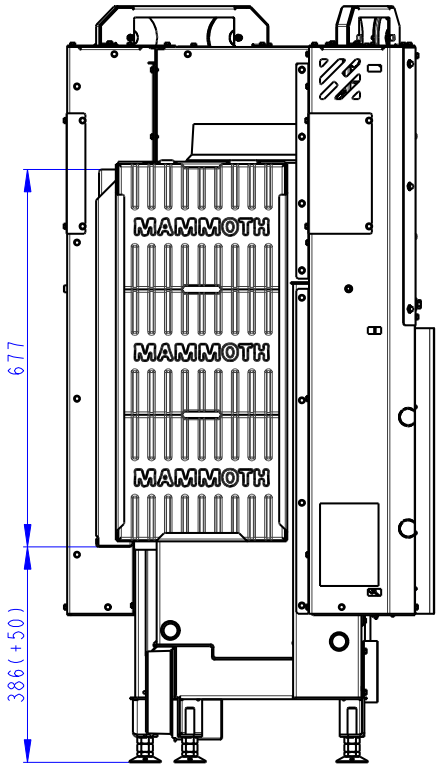



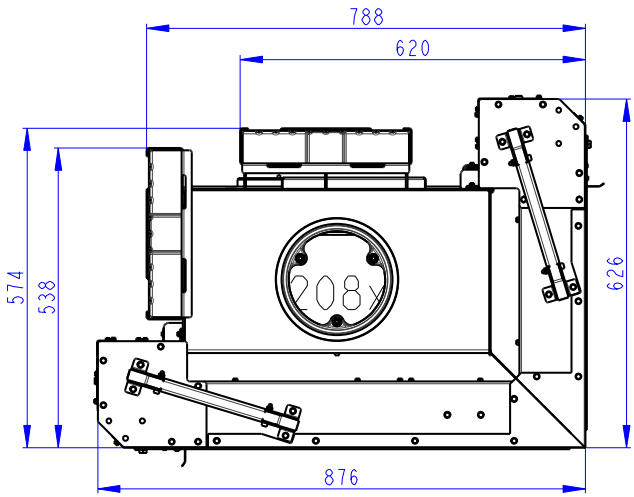



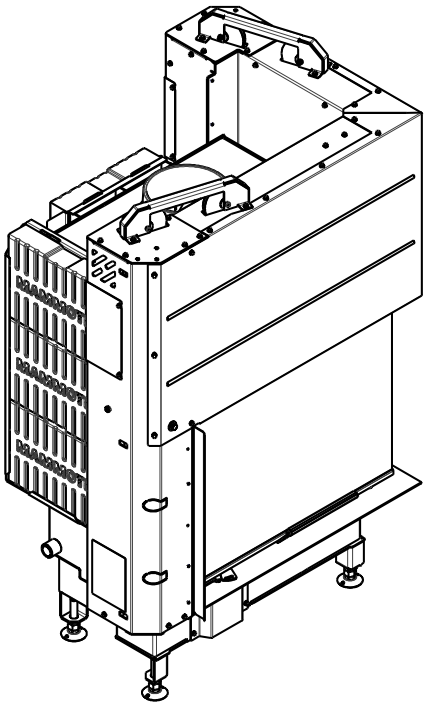
NELZE KOMBINOVAT SE SADAMI AKUMULACI AKKUM KV 02, AKKUM KV 04
UNABLE TO COMBINE WITH ACCUMULATION SETS AKKUM KV 02, AKKUM KV 04
NICHT KOMBINIERBAR MIT SPEICHERSATZ AKKUM KV 02, AKKUM KV 04

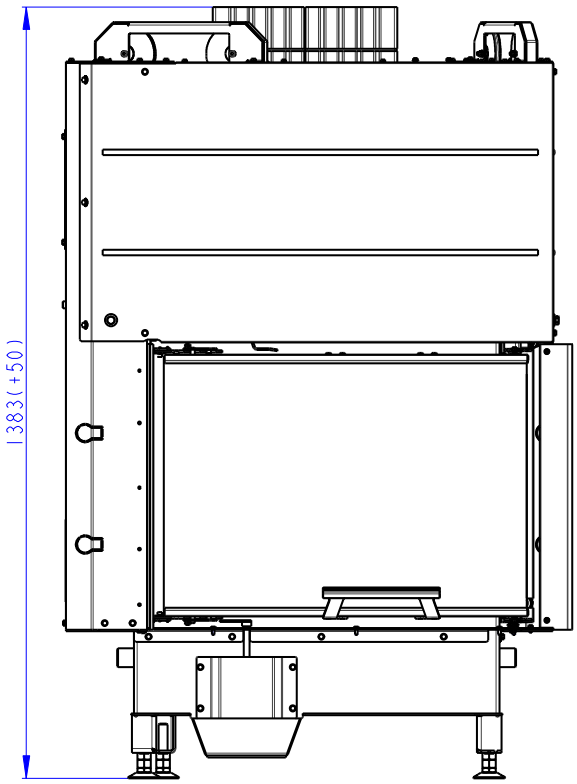
# Heat R 3g L 65.51.40.21 (24,25,26) + AKKUM KV 02

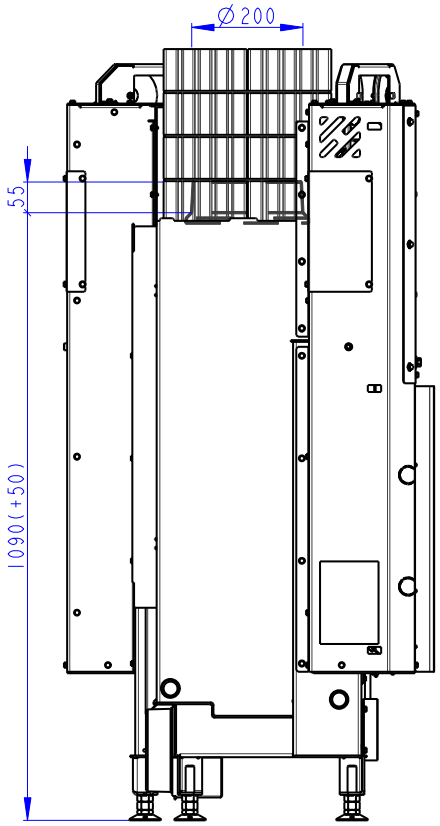


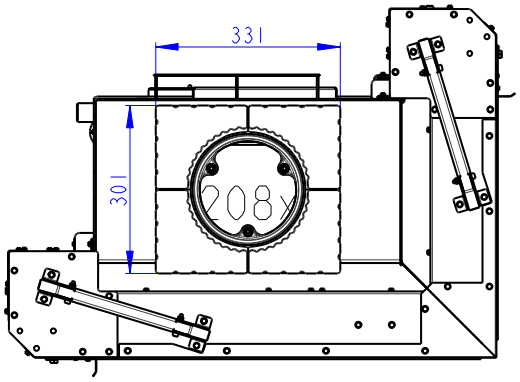


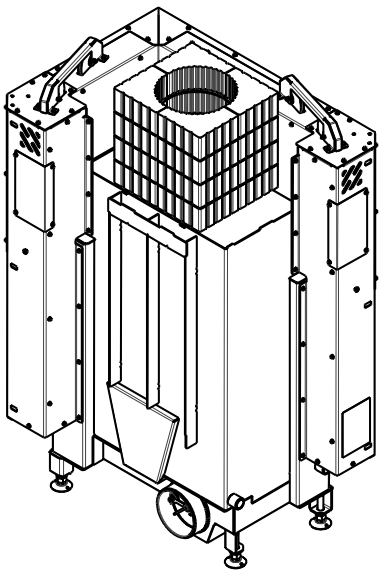



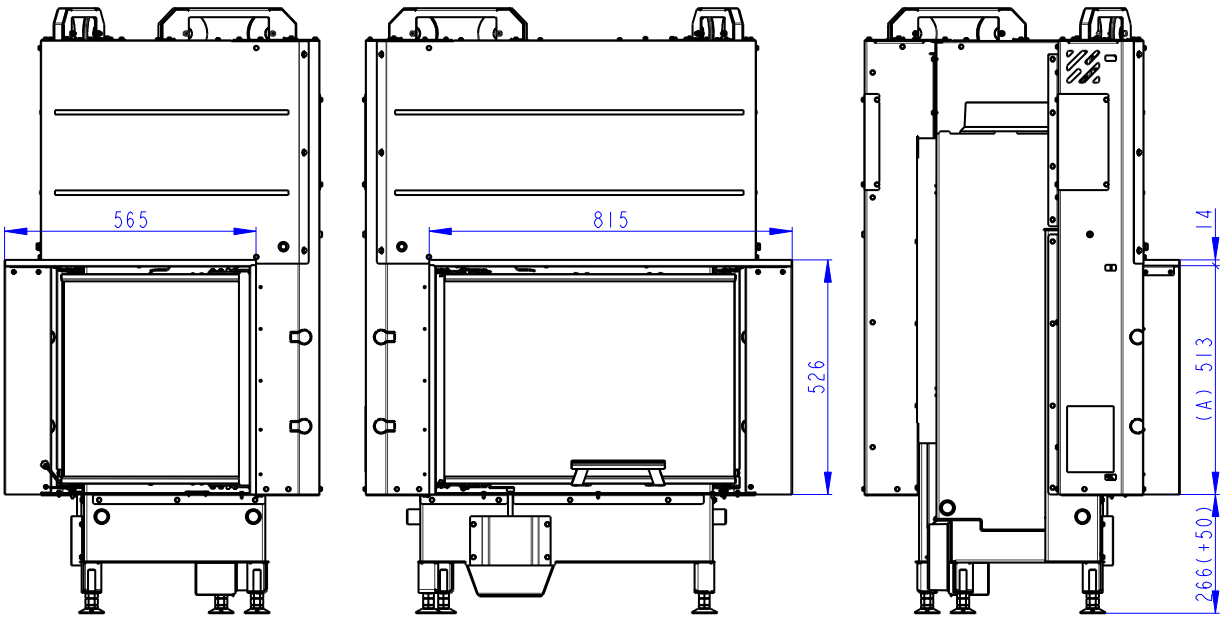



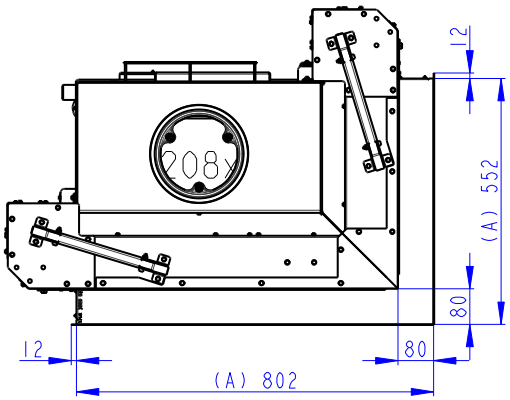

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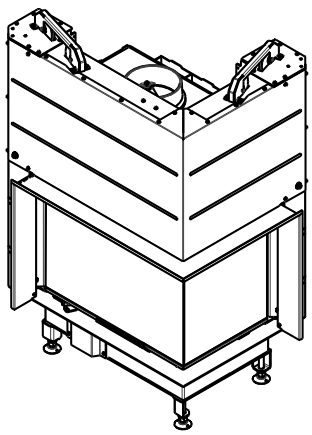

Ø200
55
1090(+50)

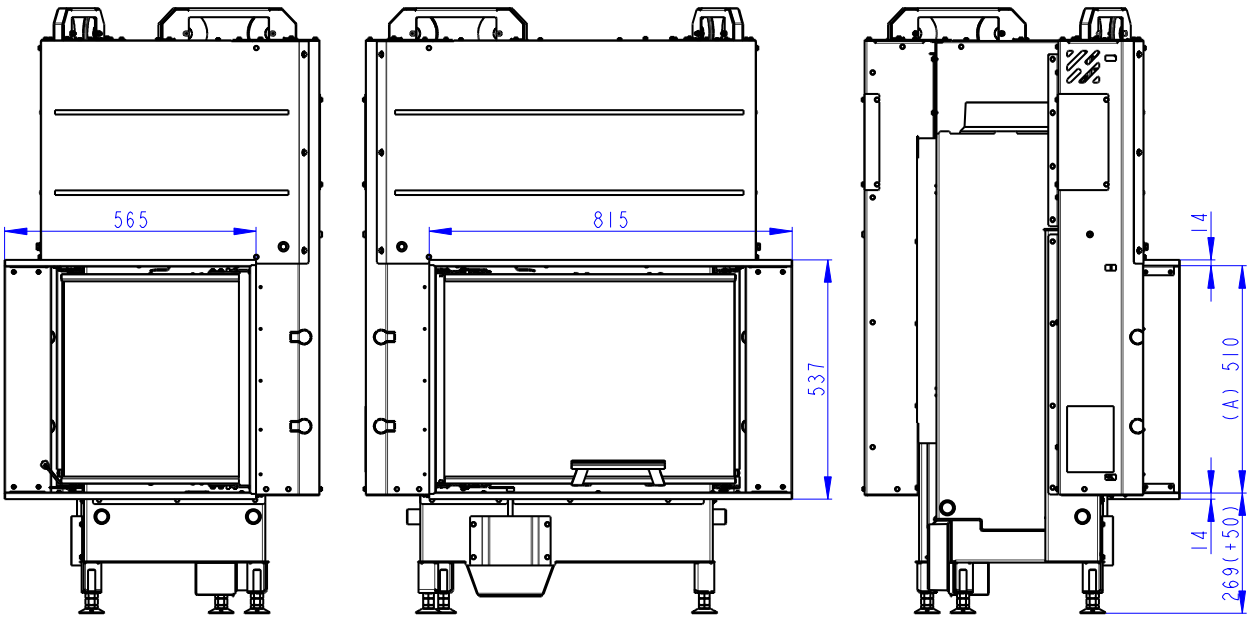

331
301
208x

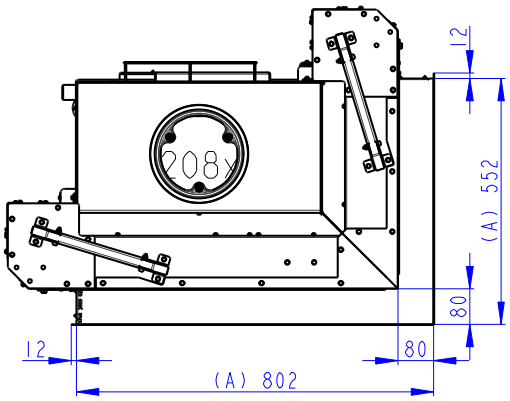


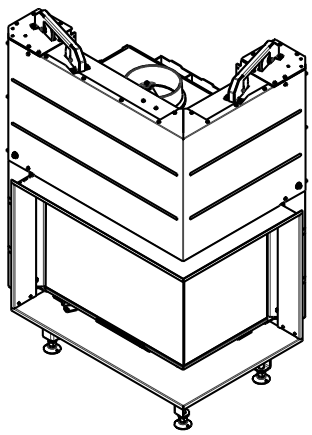

565
815
526
14
(A) 513
266(+50)


208
12
(A) 552
80
12
80
(A) 802

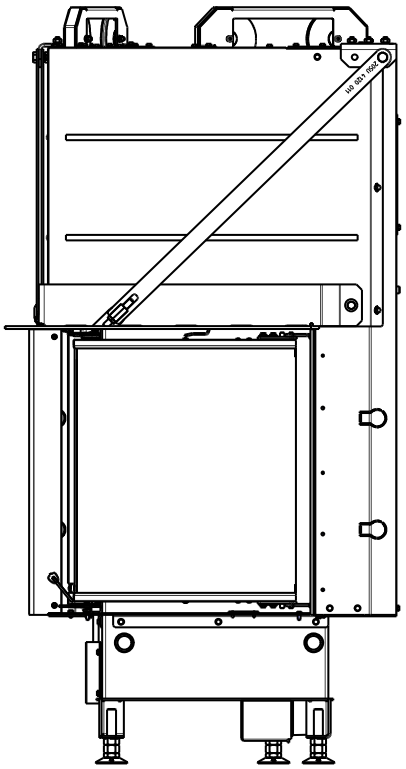


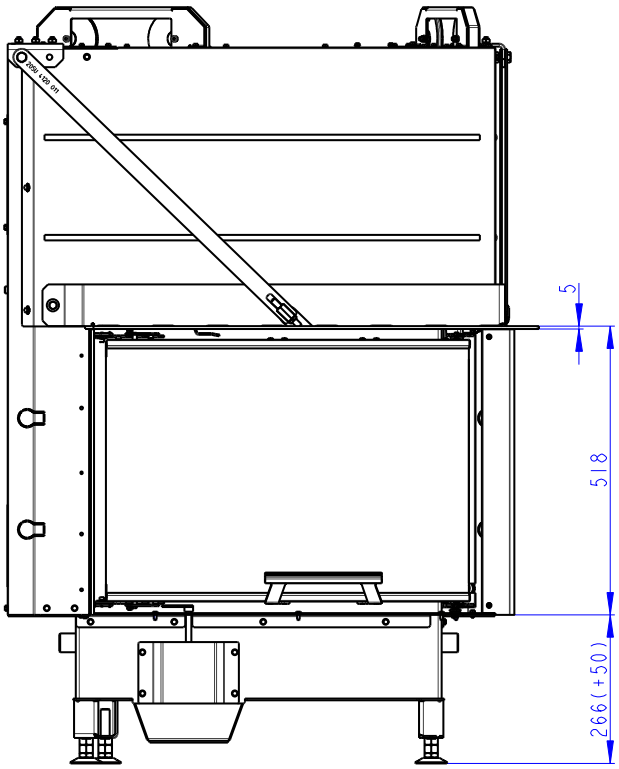

565
815
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(A) 510
14
269(+50)

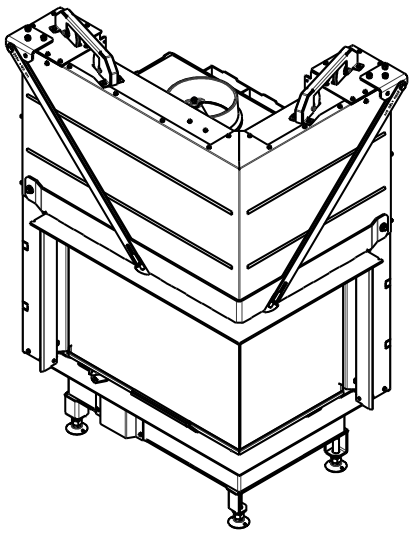

208
12
(A) 552
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(A) 802

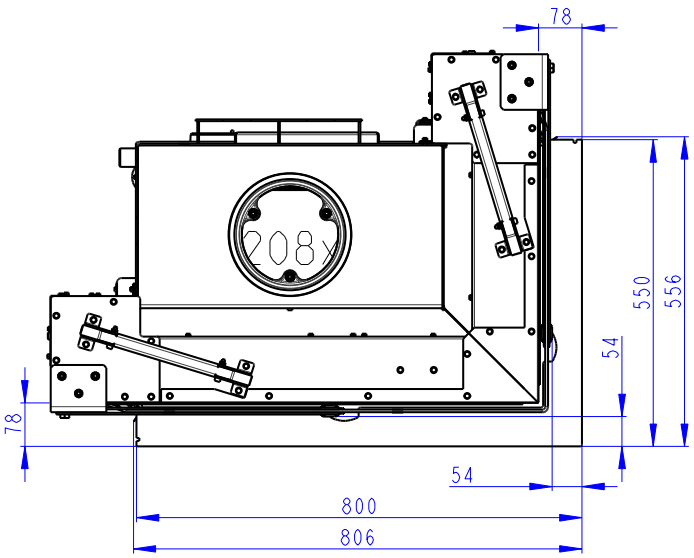


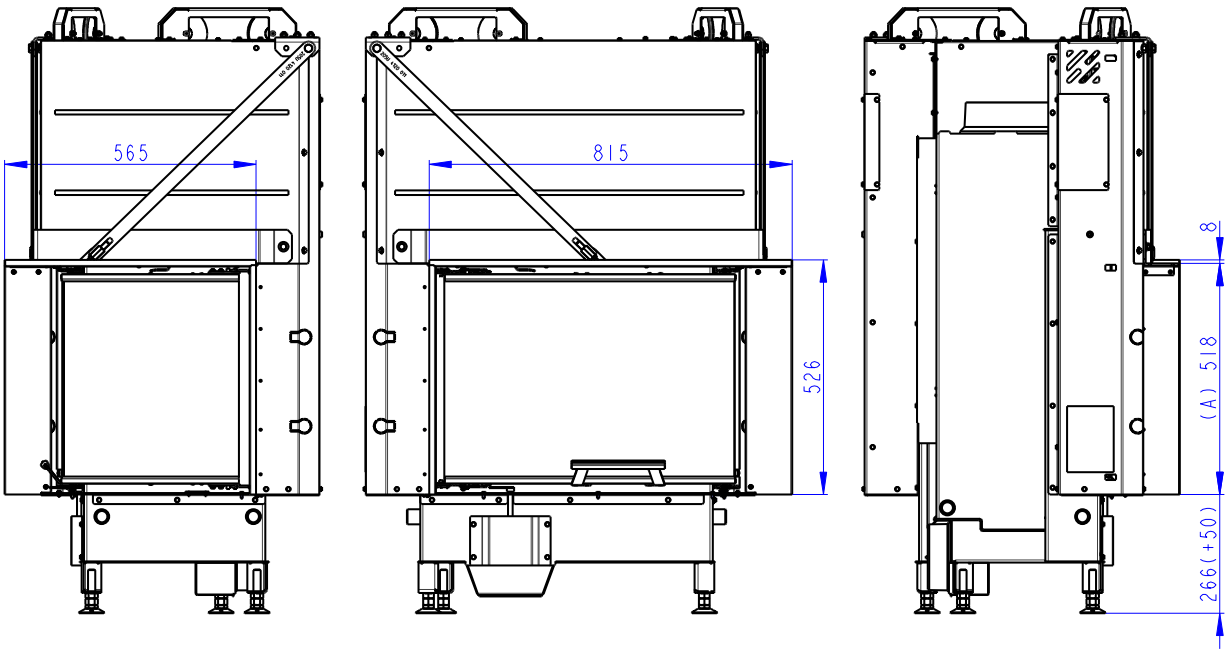
# Heat R 3g L 65.51.40.21 (24,25,26) + HR3LG RAM15

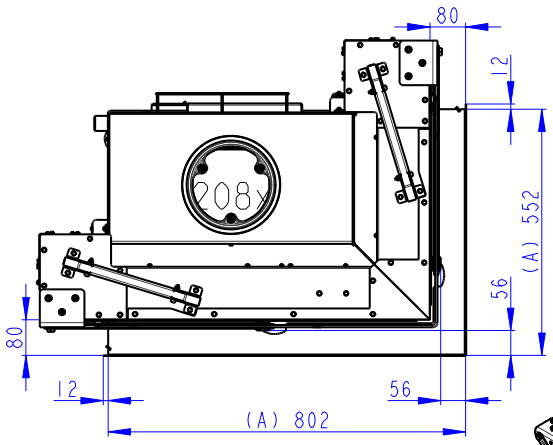


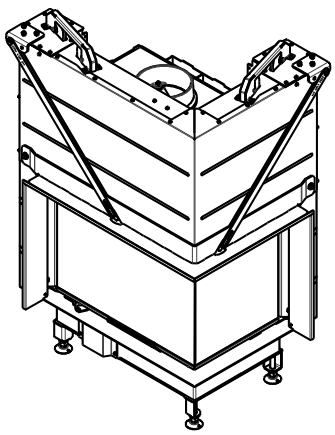


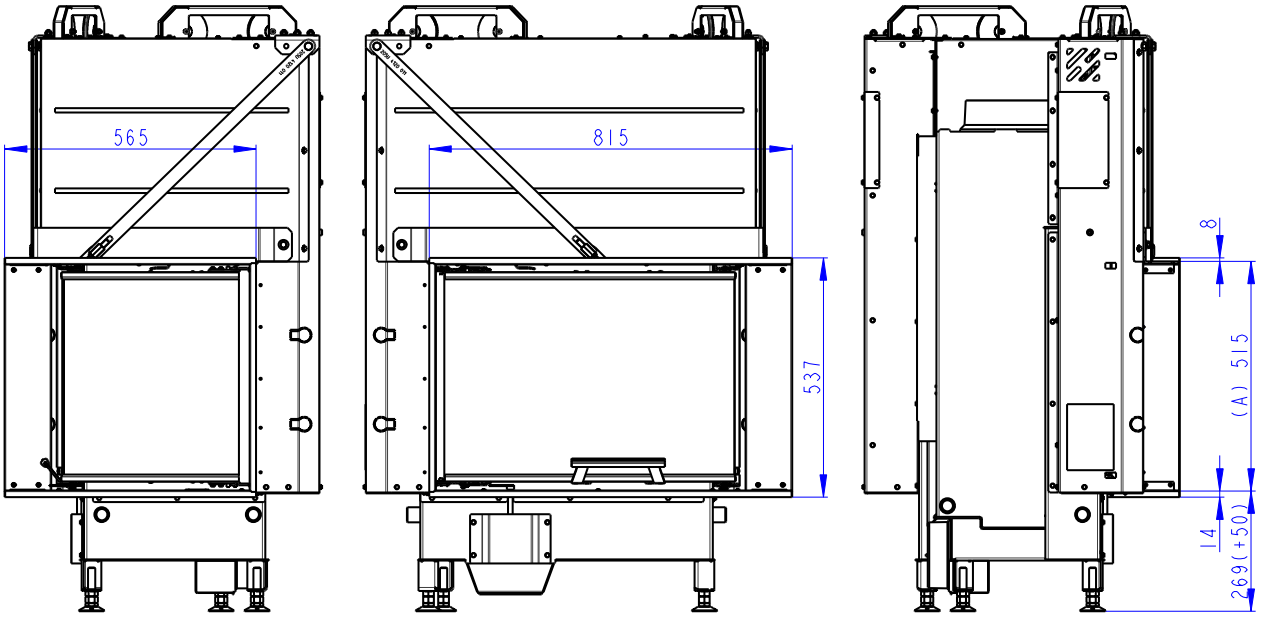


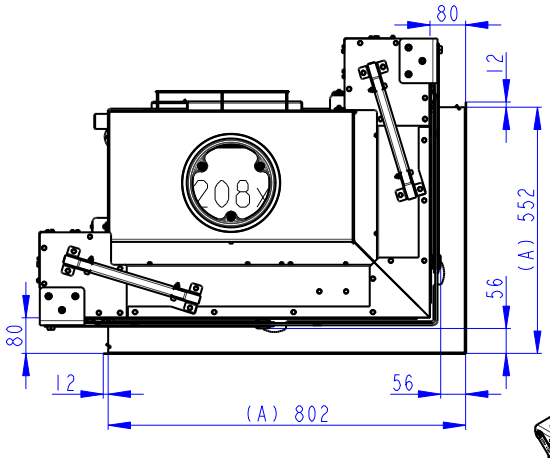

565
815
526
8
(A) 518
266(+50)

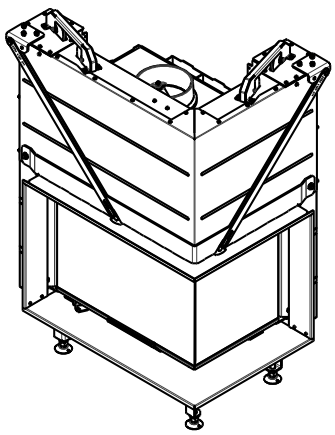

80
12
208
(A) 552
56
80
12
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(A) 802

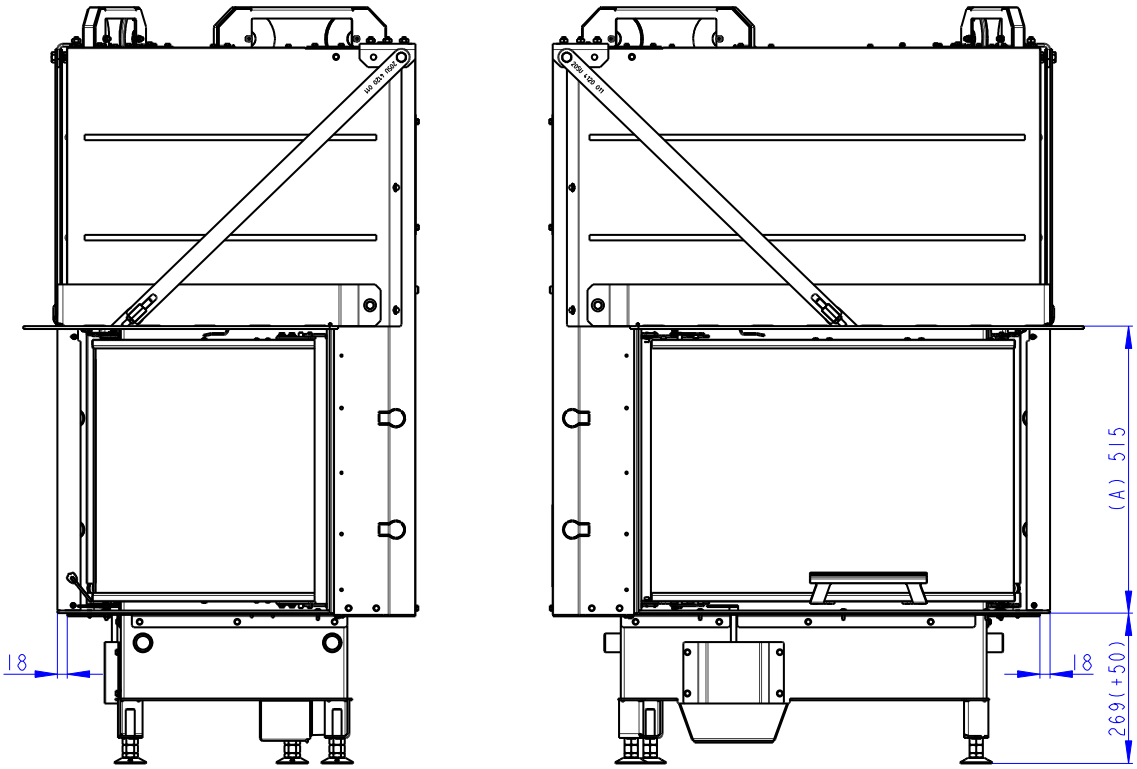


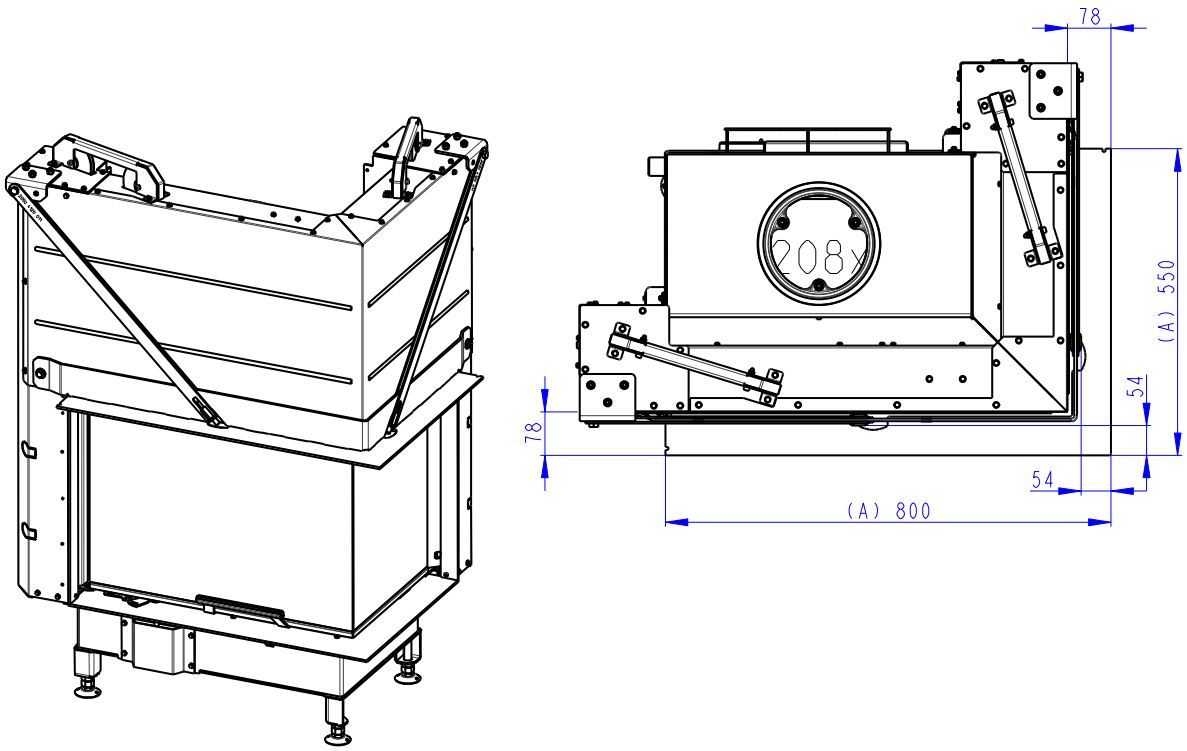
# Heat R 3g L 65.51.40.21 (24,25,26) + HR3LG RAM15 + HR3LG RAM12

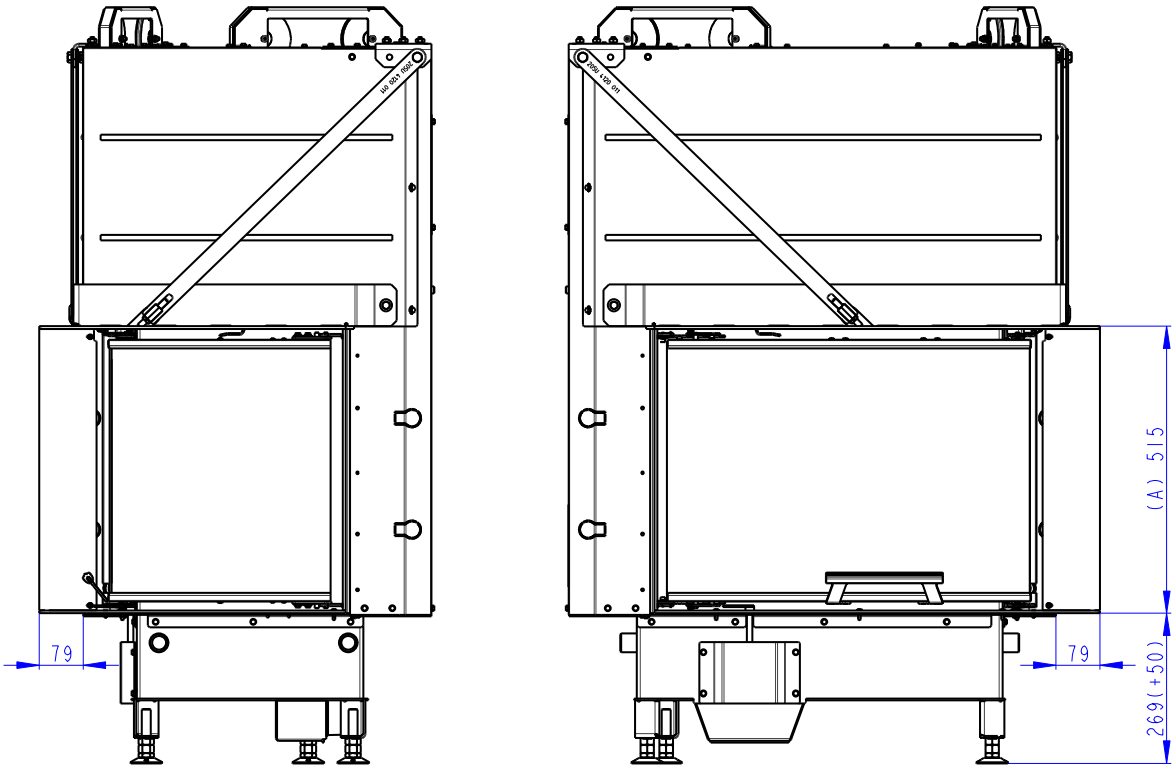


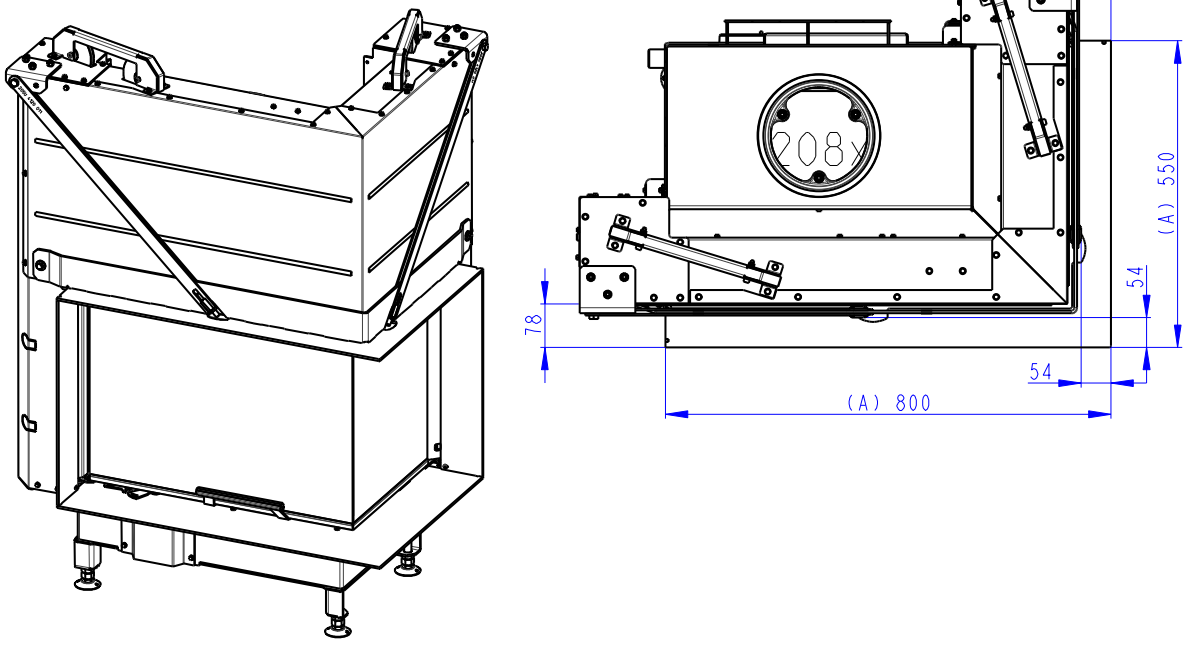




18
(A) 515
18
269(+50)


78
208x
(A) 550
54
78
54
(A) 800


79
79
(A) 515
269(+50)


78
208x
(A) 550
54
78
54
(A) 800

## Declared qualities stated

| | | | | | |
|---|---|---|---|---|---|
| Harmonised technical specification | ✓ EN 16510-1:2022 \| EN 16510-2-2:2022 | ✓ Ecodesign | ✓ DIN+ | ✓ BImSchV2 | ✓ 15a B-VG 2015 |

| | | | | |
|---|---|---|---|---|
| Classification of appliance | | Type BE | | |
| | | **Nominal heat output (nom)** | **Part load heat output (part)** | |
| Energy efficiency | $\eta_{nom}$ \| $\eta_{part}$ | 81 | --- | % |
| Seasonal space heating energy efficiency at nominal heat output | $\eta s_{nom}$ \| $\eta s_{part}$ | 71 | --- | % |
| Energy Efficiency Index | EEI | 107 | | |
| Energy label | | A+ | | |
| Fuel | | Wood logs | | |
| Fuel length | | 180-350 | | mm |
| Average fuel consumption | | 3,12 | --- | kg/h |
| Allowed fuel dose | | 4,1 | | kg/h |
| Fuel supply interval | | 1 hour | | |
| Base layer of fuel | | 0,31 | --- | kg |
| Criterion for the end of the test cycle | | 4,0 | --- | Vol.-% |
| Amount of combustion air | | 39,5 | | $m^3/h$ |
| Nominal heat output | $P_{nom}$ \| $P_{part}$ | 10,4 | --- | kW |
| Hot-water exchanger nominal heat output | $P_{Wnom}$ \| $P_{Wpart}$ | --- | --- | kW |
| Maximum water operating pressure | $p_W$ | --- | | bar |
| Dry flue gas mass flow rate | $\Phi_{f,\,g\,nom}$ \| $\Phi_{f,\,g\,part}$ | 9,4 | --- | g/s |
| Flue gas outlet temperature | $T_{snom}$ \| $T_{spart}$ | 300 | --- | °C |
| Flue draught | $p_{nom}$ \| $p_{part}$ | 12 | --- | Pa |
| Chimney temperature class | | T400 | | |
| Connection to the common chimney | | Yes | | |
| Storage of fuel in the wood shed area<br>Maximum warming of the wood in the wood shed | | No<br>--- | | <br>°C |
| Dust $O_2$ = 13 % | $PM_{nom}$ \| $PM_{part}$ | 40 | --- | $mg/Nm^3$ |
| $CO_2$ | | 9,37 | --- | % |
| Emissions of gases of combustion (CO in the flue gases at $O_2$ = 13 %) | $CO_{nom}$ \| $CO_{part}$ | 0,0930<br>1250 | ---<br>--- | %<br>$mg/Nm^3$ |
| OGC $O_2$ = 13 % | $OGC_{nom}$ \| $OGC_{part}$ | 120 | --- | $mg/Nm^3$ |
| NOx $O_2$ = 13 % | $NO_{xnom}$ \| $NO_{xpart}$ | 200 | --- | $mg/Nm^3$ |
| Automatic regulation unit of burning | | --- | --- | |
| Electricity consumption in standby mode | $el_{SB}$ | --- | | kW |
| Electricity consumption | $el_{max}$ \| $el_{min}$ | --- | --- | kW |
| Intermittent operation \| Continuous operation | INT \| CON | INT | | |

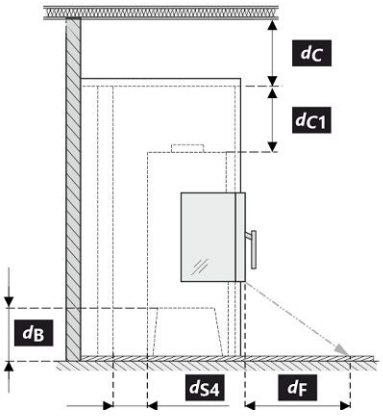
## Basic technical data

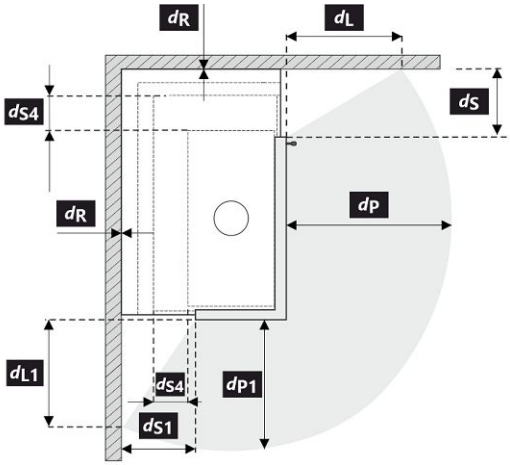
| | | | |
|---|---|---|---|
| Principal dimensions (Height \| Width \| Length) | H \| W \| L | 1357 \| 876 \| 626 | mm |
| Combustion chamber dimensions | H \| W \| L | 545 \| 546 \| 287 | mm |
| Fireplace door dimensions | H \| W \| L | 470 \| 650 \| 400 | mm |
| Axis height of the rear (side) outlet | | --- | mm |
| Volume of hot-water exchanger | | --- | l |
| Minimum flue diameter | | 200 | mm |
| Diameter of flue throat | $d_{out}$ | 200 | mm |
| Diameter of external air connection | | 150 | mm |
| Maximum length (pipe) of external air intake | | 6000 | mm |
| Weight | m | 247 | kg |

**Heat capacity**
**minimum size of the room of appliance installation**

| | | | |
|---|---|---|---|
| Insulation of the house – very good (20 W/m³) | e.g. new, insulated house / permanently inhabited | 308 | m³ |
| Insulation of the house – good (22,5 W/m³) | | 274 | m³ |
| Insulation of the house – middle (32 W/m³) | | 193 | m³ |
| Insulation of the house – bad (45 W/m³) | | 137 | m³ |
| Insulation of the house – very bad (50 W/m³) | e.g. old, uninsulated house / cottage / chalet | 123 | m³ |

| **Distances from flammable materials** | | **Note** | | |
|---|---|---|---|---|
| Back | $d_R$ | 0 | | mm |
| Front | $d_P$ \| $d_{P1}$ | 1000 | 800 | mm |
| Front to the floor | $d_F$ \| $d_{F1}$ | 340 | 300 | mm |
| Side | $d_S$ \| $d_{S1}$ | 270 | 270 | mm |
| Side – niche | $d_{S2}$ | --- | | mm |
| Side – location 45° | $d_{S3}$ | --- | | mm |
| Side radiation | $d_L$ \| $d_{L1}$ | 330 | 280 | mm |
| From the floor | $d_B$ | 100 | | mm |
| From the ceiling | $d_C$ | 500 | | mm |
| From the back and side edge of the fireplace insert to the inside of the insulation | $d_{S4}$ | 120 | | mm |



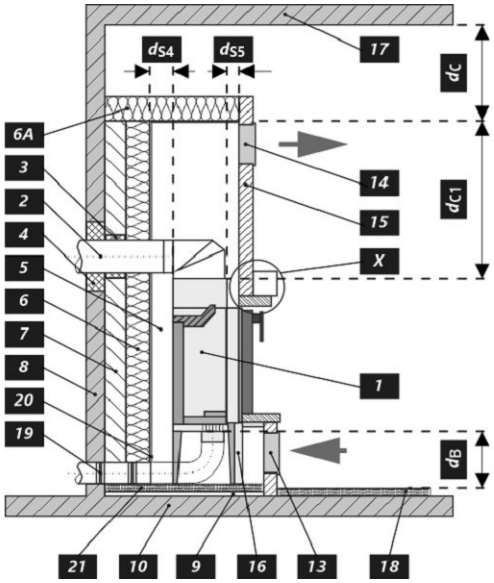

All local regulations, including regulations relating to national and European standards, must be observed during the installation and operation of the product.

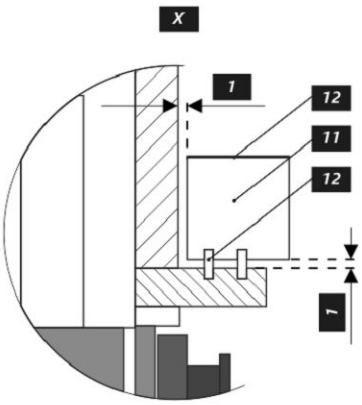
| Legend | Note | Description | Material | Dimension |
|---|---|---|---|---|
| **1** | | Appliance | 174P 0000 003 | |
| **2** | | Flue gas outlet | metal | DN 200 |
| **3** | | Insulation of the flue gas connection | | |
| **4** | | Mineral insulation | | |
| **5** | | Convection air space around the appliance | | |
| **6** | | Protective insulation of walls | SILCA 250 | 2x50 mm |
| **6A** | | Protective ceiling insulation | SILCA 250 | 80 mm |
| **7** | | Protective wall | hollow burnt brick | 100 mm |
| **8** | | Combustible wall | | |
| **9** | | Concrete slab | | |

| | | | |
|---|---|---|---|
| **10** | Combustible floor | | |
| **11** | Decorative / ornamental beam | | |
| **12** | Beam with ventilation air gap | | |
| **13** | Convection air inlet | | 700 $cm^2$ |
| **14** | Convection air outlet | | 900 $cm^2$ |
| **15** | Lining | SILCA 250 | 40 mm |
| **16** | Support frame | | |
| **17** | Combustible ceiling | | |
| **18** | Protective insulation board for combustible floors | SILCA 250 | 40 mm |
| **19** | Combustion air regulation | | |
| **20** | Sheet metal cover if mineral wool is used | | |
| **21** | If necessary, a floor protection plate under the appliance | | |
| **$d_C$** | From the top of the exhaust vent to the combustible ceiling | | 500 mm |
| **$d_{C1}$** | – From the top of the fireplace insert to the underside of the ceiling insulation<br>– In the case of an installed heat exchanger from the top edge of the heat exchanger to the underside of the ceiling insulation | | 300 mm<br>200 mm |
| **$d_{S4}$** | From the back and side edge of the fireplace insert to the inside of the insulation | | 120 mm |
| **$d_{S5}$** | From the front edge of the fireplace insert to the inside of the insulation | | 10 mm |
| **$d_B$** | From the bottom of the fireplace insert to the fireproof floor | | 100 mm |

**Caution:** Fire protection / insulation boards SILCA® 250SB can be replaced by a suitable nonflammable material with a thermal conductivity (λ) ≤ 1,1 $W \cdot m^{-1} \cdot K^{-1}$.

Protective wall – hollow burnt brick (thickness 100 mm) can be replaced by a suitable nonfammable material with a thermal conductivity (λ) ≤ 0,36 $W \cdot m^{-1} \cdot K^{-1}$.



## Deklarierte Produkteigenschaften

| | | | | |
|---|---|---|---|---|
| Harmonisierte technische Spezifikation | ✓ EN 16510-1:2022 \| EN 16510-2-2:2022 ✓ Ecodesign ✓ DIN+ ✓ BImSchV2 ✓ 15a B-VG 2015 | | | |
| Produktklassifizierung | | Type BE | | |
| | | **Nennwärmeleistung (nom)** | **Teillastwärmeleistung (part)** | |
| Energiewirkungsgrad | $\eta_{nom}$ \| $\eta_{part}$ | 81 | --- | % |
| Raumheizungs-Jahresnutzungsgrad | $\eta s_{nom}$ \| $\eta s_{part}$ | 71 | --- | % |
| Energieeffizienzindex | EEI | 107 | | |
| Energielabel | | A+ | | |
| Brennstoff | | Scheitholz | | |
| Brennstofflänge | | 180-350 | | mm |
| Durchschnittlicher Brennstoffverbrauch | | 3,12 | --- | kg/h |
| Zulässiger Brennstoffverbrauch | | 4,1 | | kg/h |
| Brennstofflieferintervall | | 1 Stunde | | |
| Grundglutmasse | | 0,31 | --- | kg |
| Kriterium für das Ende des Prüfzyklus | | 4,0 | --- | Vol.-% |
| Verbrennungsluftmenge | | 39,5 | | $m^3/h$ |
| Nennwärmeleistung | $P_{nom}$ \| $P_{part}$ | 10,4 | --- | kW |
| Wärmetauscherleistung | $P_{Wnom}$ \| $P_{Wpart}$ | --- | --- | kW |
| Maximaler Wasserbetriebsdruck | $p_W$ | --- | | bar |
| Rauchgasmassenstrom (trocken) | $\Phi_{f,g\ nom}$ \| $\Phi_{f,g\ part}$ | 9,4 | --- | g/s |
| Rauchgasaustrittstemperatur | $T_{snom}$ \| $T_{spart}$ | 300 | --- | °C |
| Förderdruck | $p_{nom}$ \| $p_{part}$ | 12 | --- | Pa |
| Temperaturklasse | | T400 | | |
| Mehrfachbelegung | | Ja | | |
| Lagerung von Brennstoff im Holzfach<br>Maximale Erwärmung des Holzes im Holzfach | | Nein<br>--- | | <br>°C |
| Feinstaub $O_2$ = 13 % | $PM_{nom}$ \| $PM_{part}$ | 40 | --- | $mg/Nm^3$ |
| $CO_2$ | | 9,37 | --- | % |
| Abgasemission<br>(CO in den Abgasen bei $O_2$ = 13 %) | $CO_{nom}$ \| $CO_{part}$ | 0,0930<br>1250 | ---<br>--- | %<br>$mg/Nm^3$ |
| OGC $O_2$ = 13 % | $OGC_{nom}$ \| $OGC_{part}$ | 120 | --- | $mg/Nm^3$ |
| $NO_X$ $O_2$ = 13 % | $NO_{xnom}$ \| $NO_{xpart}$ | 200 | --- | $mg/Nm^3$ |
| Automatische Abbrandsteuerung | | --- | --- | |
| Stromverbrauch im Bereitschaftszustand | $el_{SB}$ | --- | | kW |
| Stromverbrauch | $el_{max}$ \| $el_{min}$ | --- | --- | kW |
| Intervallbetrieb \| Dauerbetrieb | INT \| CON | INT | | |

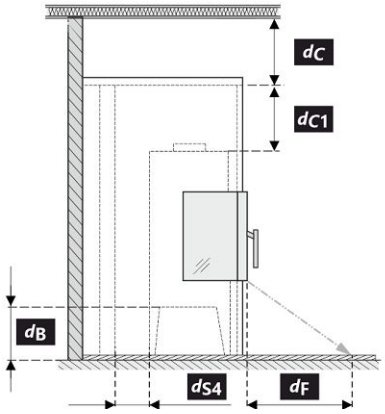
## Technische Grunddaten

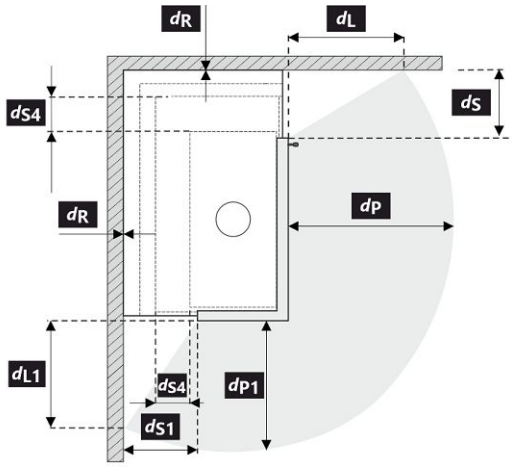
| | | | |
|---|---|---|---|
| Hauptabmessungen (Höhe \| Breite \| Tiefe) | H \| W \| L | 1357 \| 876 \| 626 | mm |
| Abmessungen der Brennkammer (Höhe \| Breite \| Tiefe) | H \| W \| L | 545 \| 546 \| 287 | mm |
| Abmessungen der Feuerraumtür (Höhe \| Breite \| Tiefe) | H \| W \| L | 470 \| 650 \| 400 | mm |
| Achshöhe hinterer (seitlichen) Rauchrohanschluss | | --- | mm |
| Volumen Wärmetauscher | | --- | l |
| Minimale Rauchrohrdurchmesser | | 200 | mm |
| Abgasstutzen | $d_{out}$ | 200 | mm |
| Durchmesser zentrale Luftzufuhr | | 150 | mm |
| Maximale Länge (Rohrleitung) der zentralen Luftzufuhr | | 6000 | mm |
| Gewicht | m | 247 | kg |

**Heizleistung (Brennwert)**
**mindestraumgröße für die Installation des Produkts**

| | | | |
|---|---|---|---|
| Wärmedämmung des Hauses – sehr gut (20 W/m³) | z.B. neues, isoliertes Haus / ständig bewohnt | 308 | m³ |
| Wärmedämmung des Hauses – gut (22,5 W/m³) | | 274 | m³ |
| Wärmedämmung des Hauses – mittel (32 W/m³) | | 193 | m³ |
| Wärmedämmung des Hauses – schlecht (45 W/m³) | | 137 | m³ |
| Wärmedämmung des Hauses – sehr schlecht (50 W/m³) | z.B. altes, ungedämmtes Haus / Hütte / Chalet | 123 | m³ |

| **Abstand zu brennbaren Materialien** | **Bemerkung** | | | |
|---|---|---|---|---|
| Rückwand | $d_R$ | 0 | | mm |
| Strahlungsbereich | $d_P$ \| $d_{P1}$ | 1000 | 800 | mm |
| Strahlungsbereich zum Boden | $d_F$ \| $d_{F1}$ | 340 | 300 | mm |
| Seitenwände | $d_S$ \| $d_{S1}$ | 270 | 270 | mm |
| Seite – Nische | $d_{S2}$ | --- | | mm |
| Seite – Ausrichtung 45° | $d_{S3}$ | --- | | mm |
| Seitliche Strahlung | $d_L$ \| $d_{L1}$ | 330 | 280 | mm |
| Von dem Boden | $d_B$ | 100 | | mm |
| Decke | $d_C$ | 500 | | mm |
| Von der hinteren- und seitlichen Kante des Kamine-insatzes bis zur Innenseite der Isolierung | $d_{S4}$ | 120 | | mm |



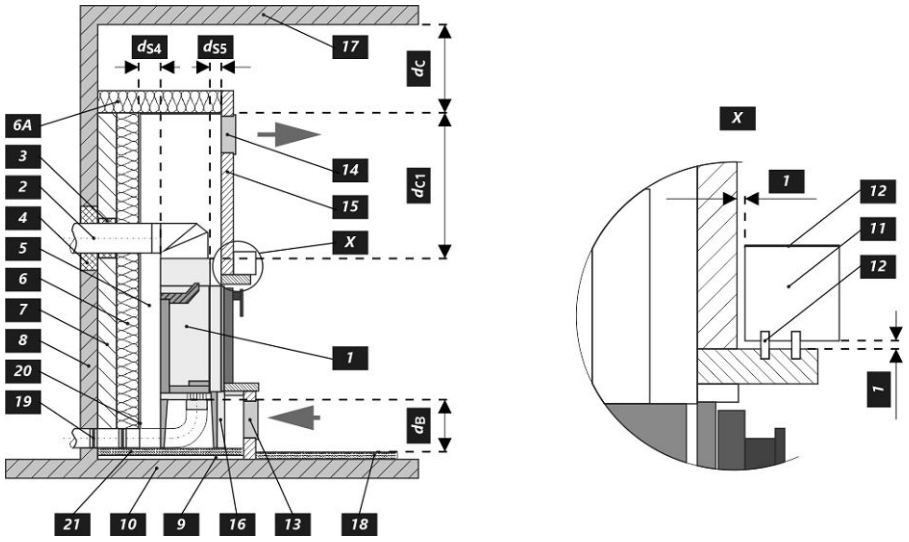

Bei der Installation und dem Betrieb des Ofens sind alle örtlichen Vorschriften sowie nationale und europäische Normen zu beachten.

| **Legende** | **Bemerkung** | **Beschreibung** | **Material** | **Maß** |
|---|---|---|---|---|
| **1** | | Gerät | 174P 0000 003 | |
| **2** | | Rauchgasabgang | metall | DN 200 |
| **3** | | Isolierung Anschluss Rauchgasabgang | | |
| **4** | | Mineralwolleisolierung | | |
| **5** | | Konvektionsraum um das Gerät | | |
| **6** | | Schutzisolierung der Wände | SILCA 250 | 2x50 mm |
| **6A** | | Schutzisolierung der Decke | SILCA 250 | 80 mm |
| **7** | | Schutzwand | gebrannter hohlziegel | 100 mm |
| **8** | | Brennbare Wand | | |

| | | | |
|---|---|---|---|
| **9** | Betonplatte | | |
| **10** | Brennbarer Boden | | |
| **11** | Dekorativer Träger | | |
| **12** | Träger mit Belüftungsspalt | | |
| **13** | Konvektionslufteinlass | | 700 $cm^2$ |
| **14** | Konvektionsluftauslass | | 900 $cm^2$ |
| **15** | Verkleidung | SILCA 250 | 40 mm |
| **16** | Tragrahmen | | |
| **17** | Brennbare Decke | | |
| **18** | Schutzisolierungsplatte des brennbaren Bodens | SILCA 250 | 40 mm |
| **19** | Verbrennungsluftregulierung | | |
| **20** | Blechabdeckung bei Verwendung von Mineralwolle | | |
| **21** | Falls nötig eine Bodenschutzplatte unter dem Gerät | | |
| **$d_C$** | Von der Oberkante der Abluftöffnung bis zur brennbaren Decke | | 500 mm |
| **$d_{C1}$** | – Von der Oberkante des Kamineinsatzes bis zur Unterkante der Deckenisolierung<br>– Im Falle eines eingebauten Wärmetauschers – von der Oberkante des Wärmetauschers bis zur Unterseite der Deckenisolierung | | 300 mm<br>200 mm |
| **$d_{S4}$** | Von der hinteren- und seitlichen Kante des Kamineinsatzes bis zur Innenseite der Isolierung | | 120 mm |
| **$d_{S5}$** | Von der Vorder Kante des Kamineinsatzes bis zur Innenseite der Isolierung | | 10 mm |
| **$d_B$** | Von der Unterseite des Kamineinsatzes bis zum feuerfesten Boden | | 100 mm |

**Warnhinweise:** Brandschutz- / Dämmplatten SILCA® 250SB kann durch ein geeignetes nicht brennbares Material mit einer Wärmeleitfähigkeit (λ) ≤ 1,1 $W \cdot m^{-1} \cdot K^{-1}$ ersetzt werden.

Schutzwand – gebrannter Hohlziegel (Dicke 100 mm) kann durch ein geeignetes nicht brennbares Material mit einer Wärmeleitfähigkeit (λ) ≤ 0,36 $W \cdot m^{-1} \cdot K^{-1}$ ersetzt werden.



## Caractéristiques déclarées du produit

Norme(s) Européennes ✓ EN 16510-1:2022 | EN 16510-2-2:2022 ✓ Ecodesign ✓ DIN+ ✓ BImSchV2 ✓ 15a B-VG 2015

| | | | | |
|---|---|---|---|---|
| Classification de l'appareil | | Type BE | | |
| | | **Puissance thermique nominale (nom)** | **Puissance thermique partielle (part)** | |
| Efficacité énergétique | $\eta_{nom}$ \| $\eta_{part}$ | 81 | --- | % |
| Efficacité énergétique saisonnier à la puissance thermique nominale de l'appareil | $\eta s_{nom}$ \| $\eta s_{part}$ | 71 | --- | % |
| Indice d'efficacité énergétique EEI | EEI | 107 | | |
| Label énergétique | | A+ | | |
| Combustible | | Bûches | | |
| Longueur recommandée de bûches | | 180-350 | | mm |
| Consommation moyenne de combustible | | 3,12 | --- | kg/h |
| Charge en bois autorisé | | 4,1 | | kg/h |
| Intervalle entre les chargements de combustible | | 1 heure | | |
| Couche de base du combustible | | 0,31 | --- | kg |
| Critère de fin du cycle d'essai | | 4,0 | --- | Vol.-% |
| Débit massique des fumées | | 39,5 | | $m^3/h$ |
| Puissance thermique nominale | $P_{nom}$ \| $P_{part}$ | 10,4 | --- | kW |
| Puissance thermique nominale de l'échangeur | $P_{Wnom}$ \| $P_{Wpart}$ | --- | --- | kW |
| Pression d'eau maximale | $p_W$ | --- | | bar |
| Débit massique des gaz de combustion secs | $\Phi_{f,g\,nom}$ \| $\Phi_{f,g\,part}$ | 9,4 | --- | g/s |
| Température de sortie des gaz de combustion | $T_{snom}$ \| $T_{spart}$ | 300 | --- | °C |
| Tirage de conduit de fumée | $p_{nom}$ \| $p_{part}$ | 12 | --- | Pa |
| Classe de température | | T400 | | |
| Raccordement à une cheminée collective | | Oui | | |
| Stockage du combustible dans range bûches<br>Réchauffement maximal du bois dans range bûches | | Non<br>--- | | <br>°C |
| Poussière $O_2$ = 13 % | $PM_{nom}$ \| $PM_{part}$ | 40 | --- | $mg/Nm^3$ |
| $CO_2$ | | 9,37 | --- | % |
| Résidus de combustion émis<br>(CO dans les résidus de combustion pour $O_2$ = 13 %) | $CO_{nom}$ \| $CO_{part}$ | 0,0930<br>1250 | ---<br>--- | %<br>$mg/Nm^3$ |
| OGC $O_2$ = 13 % | $OGC_{nom}$ \| $OGC_{part}$ | 120 | --- | $mg/Nm^3$ |
| NOx $O_2$ = 13 % | $NO_{xnom}$ \| $NO_{xpart}$ | 200 | --- | $mg/Nm^3$ |
| Régulation automatique de la combustion | | --- | --- | |
| Consommation d'énergie en mode veille | $el_{SB}$ | --- | | kW |
| Consommation d'électricité | $el_{max}$ \| $el_{min}$ | --- | --- | kW |
| Fonctionnement par intermittence \| Service ininterrompu | INT \| CON | INT | | |

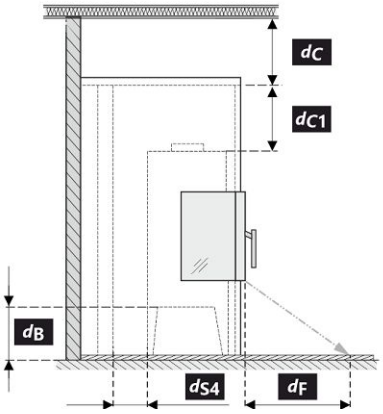
## Données techniques de base

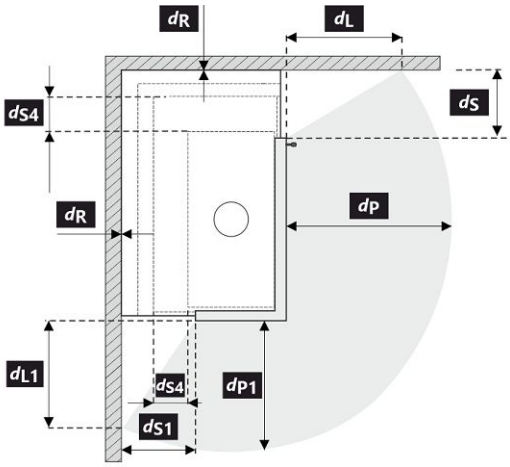
| | | | |
|---|---|---|---|
| Dimensions principales (Hauteur \| Largeur \| Profondeur) | H \| W \| L | 1357 \| 876 \| 626 | mm |
| Dimensions de la chambre de combustion<br>(Hauteur \| Largeur \| Profondeur) | H \| W \| L | 545 \| 546 \| 287 | mm |
| Dimensions de la porte (Hauteur \| Largeur \| Profondeur) | H \| W \| L | 470 \| 650 \| 400 | mm |
| Hauteur de l'axe de la sortie arrière (latérale) | | --- | mm |
| Volume de l'échangeur de chaleur | | --- | l |
| Diamètre minimal du conduit de fumée | | 200 | mm |
| Diamètre de buse d'air de combustion | $d_{out}$ | 200 | mm |
| Diamètre de l'arrivée d'air centrale | | 150 | mm |
| Longueur maximale (tuyau) d'arrivée d'air centrale | | 6000 | mm |
| Poids | m | 247 | kg |

**Capacité thermique (Pouvoir calorifique)**
**taille minimale de la pièce où est installé l'appareil**

| | | | |
|---|---|---|---|
| Isolation de la maison – très bon (20 W/m³) | par exemple, maison neuve et isolée / habitée en permanence | 308 | m³ |
| Isolation de la maison – bon (22,5 W/m³) | | 274 | m³ |
| Isolation de la maison – moyen (32 W/m³) | | 193 | m³ |
| Isolation de la maison – mauvais (45 W/m³) | | 137 | m³ |
| Isolation de la maison – très mauvais (50 W/m³) | par exemple une vieille maison / chalet / chalet non isolé | 123 | m³ |

| **Distance par rapport aux matériaux combustibles** | | | **Note** | |
|---|---|---|---|---|
| Arrière | $d_R$ | 0 | | mm |
| Avant | $d_P$ \| $d_{P1}$ | 1000 | 800 | mm |
| Avant (par rapport au sol) | $d_F$ \| $d_{F1}$ | 340 | 300 | mm |
| Latéral | $d_S$ \| $d_{S1}$ | 270 | 270 | mm |
| Latéral – niche | $d_{S2}$ | --- | | mm |
| Latéral – emplacement 45° | $d_{S3}$ | --- | | mm |
| Rayonnement latéral | $d_L$ \| $d_{L1}$ | 330 | 280 | mm |
| Depuis le sol | $d_B$ | 100 | | mm |
| Plafond | $d_C$ | 500 | | mm |
| Du bord arrière et latéral de l'insert de cheminée jusqu'à l'intérieur de l'isolation | $d_{S4}$ | 120 | | mm |



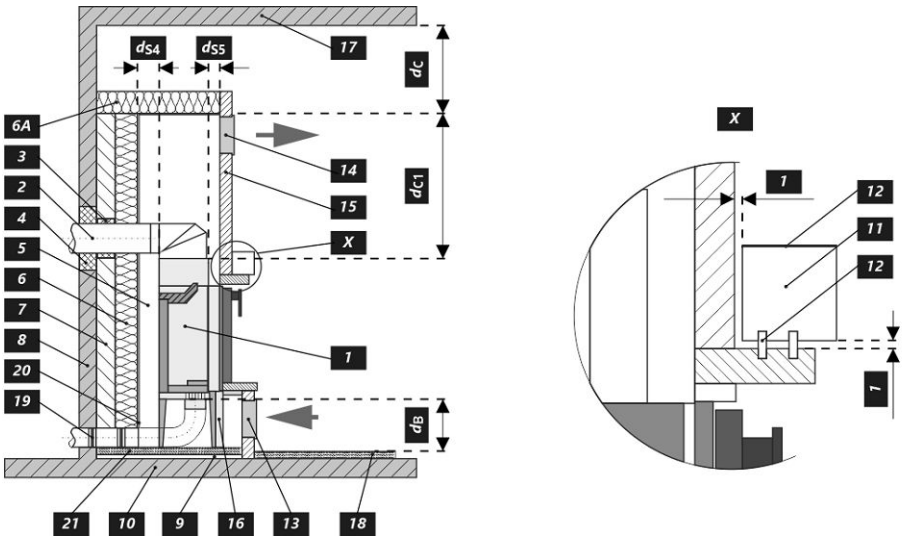

Lors de l'installation et de l'utilisation du produit, toutes les réglementations locales doivent être respectées, y compris celles relatives aux normes nationales et européennes.

| Légende | Note | Description | Matériel | Dimension |
|---|---|---|---|---|
| **1** | | Appareil ménager | 174P 0000 003 | |
| **2** | | Extraction des résidus de combustion | métal | DN 200 |
| **3** | | Isolation du raccordement des résidus de combustion | | |
| **4** | | Isolation minérale | | |
| **5** | | Espace de convection autour de l'appareil | | |
| **6** | | Isolation protectrice des murs | SILCA 250 | 2x50 mm |
| **6A** | | Isolation protectrice des plafonds | SILCA 250 | 80 mm |
| **7** | | Mur de protection | brique creuse cuite | 100 mm |
| **8** | | Mur inflammable | | |

| | | | |
|---|---|---|---|
| **9** | Plaque de béton | | |
| **10** | Sol inflammable | | |
| **11** | Support décoratif / ornemental | | |
| **12** | Support avec espace de ventilation | | |
| **13** | Entrée d'air de convection | | 700 $cm^2$ |
| **14** | Sortie d'air de convection | | 900 $cm^2$ |
| **15** | Habillage | SILCA 250 | 40 mm |
| **16** | Cadre de support | | |
| **17** | Plafond inflammable | | |
| **18** | Panneau isolant de protection pour sols combustibles | SILCA 250 | 40 mm |
| **19** | Régulation de l'air de combustion | | |
| **20** | Couverture en tôle si de la laine minérale est utilisée | | |
| **21** | Si nécessaire, une plaque de sol de protection située sous l'appareil | | |
| **$d_C$** | Du haut du conduit d'évacuation au plafond combustible | | 500 mm |
| **$d_{C1}$** | – Du haut de l'insert de cheminée jusqu'au bas de l'isolation du plafond<br>– Dans le cas d'un échangeur de chaleur installé – du bord supérieur de l'échangeur de chaleur à la partie inférieure de l'isolation du plafond | | 300 mm<br>200 mm |
| **$d_{S4}$** | Du bord arrière et latéral de l'insert de cheminée jusqu'à l'intérieur de l'isolation | | 120 mm |
| **$d_{S5}$** | Du bord avant de l'insert de cheminée à l'intérieur de l'isolation | | 10 mm |
| **$d_B$** | Du bas de l'insert de cheminée jusqu'au sol incombustible | | 100 mm |

**Avertissement:** Panneaux ignifuges / isolants SILCA® 250SB peut être remplacé par un matériau non combustible approprié avec une conductivité thermique (λ) ≤ 1,1 $W \cdot m^{-1} \cdot K^{-1}$.

Mur de protection – brique creuse cuite (épaisseur 100 mm) peut être remplacée par un matériau non combustible adéquat présentant une conductivité thermique (λ) ≤ 0,36 $W \cdot m^{-1} \cdot K^{-1}$.



## Proprietà dichiarate del prodotto

| | | | | |
|---|---|---|---|---|
| Specificazioni tecniche armonizzate | ✓ EN 16510-1:2022 \| EN 16510-2-2:2022 ✓ Ecodesign ✓ DIN+ ✓ BImSchV2 ✓ 15a B-VG 2015 | | | |
| Classificazione del prodotto | | Type BE | | |
| | | **Potenza termica nominale (nom)** | **Potenza termica parziale (part)** | |
| Efficienza energetica | $\eta_{nom}$ \| $\eta_{part}$ | 81 | --- | % |
| Efficienza energetica stagionale del riscaldamento d'ambiente | $\eta s_{nom}$ \| $\eta s_{part}$ | 71 | --- | % |
| Indice di efficienza prodotto | EEI | 107 | | |
| Etichetta energetica | | A+ | | |
| Combustibile | | Legna | | |
| Combustibile – lunghezza | | 180-350 | | mm |
| Consumo medio di combustibile | | 3,12 | --- | kg/h |
| Dose ammessa di combustibile | | 4,1 | | kg/h |
| Intervallo di aggiunta di combustibile | | 1 ora | | |
| Strato di base del combustibile | | 0,31 | --- | kg |
| Criterio per la fine del ciclo di test | | 4,0 | --- | Vol.-% |
| Quantità di aria di combustione | | 39,5 | | $m^3/h$ |
| Potenza termica nominale | $P_{nom}$ \| $P_{part}$ | 10,4 | --- | kW |
| Potenza ter. nom. dello scamniatore di acqua calda | $P_{Wnom}$ \| $P_{Wpart}$ | --- | --- | kW |
| Ppressione massima di funzionamento dell'acqua | $p_W$ | --- | | bar |
| Portata dei fumi di scarico secchi | $\Phi_{f,\,g\,nom}$ \| $\Phi_{f,\,g\,part}$ | 9,4 | --- | g/s |
| Temperatura d'uscita dei gas di scarico | $T_{snom}$ \| $T_{spart}$ | 300 | --- | °C |
| Tiro di esercizio | $p_{nom}$ \| $p_{part}$ | 12 | --- | Pa |
| Classe di temperatura del camino | | T400 | | |
| Collegamento al camino collettivo | | Sì | | |
| Stoccaggio del combustibile nell'area della stufa a legna<br>Riscaldamento massimo della legna nella stufa a legna | | No<br>--- | | <br>°C |
| Polvere $O_2$ = 13 % | $PM_{nom}$ \| $PM_{part}$ | 40 | --- | $mg/Nm^3$ |
| $CO_2$ | | 9,37 | --- | % |
| Emissioni<br>(CO nei gas comburenti all' $O_2$ = 13 %) | $CO_{nom}$ \| $CO_{part}$ | 0,0930<br>1250 | ---<br>--- | %<br>$mg/Nm^3$ |
| OGC $O_2$ = 13 % | $OGC_{nom}$ \| $OGC_{part}$ | 120 | --- | $mg/Nm^3$ |
| NOx $O_2$ = 13 % | $NO_{xnom}$ \| $NO_{xpart}$ | 200 | --- | $mg/Nm^3$ |
| Controllo automatico della combustione | | --- | --- | |
| Consumo di energia elettrica in modo stand-by | $el_{SB}$ | --- | | kW |
| Consumo di energia elettrica | $el_{max}$ \| $el_{min}$ | --- | --- | kW |
| Funzionamento intermittente \| Funzionamento continuo | INT \| CON | INT | | |

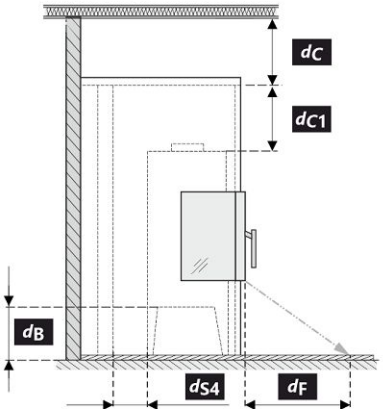
## Dati tecnici di base

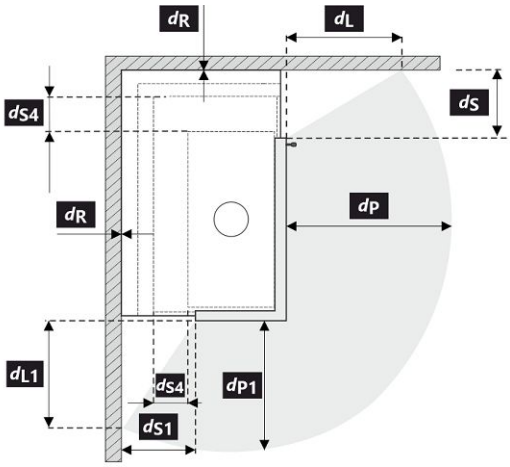
| | | | |
|---|---|---|---|
| Dimensioni principali (Altezza \| Larghezza \| Profondità) | H \| W \| L | 1357 \| 876 \| 626 | mm |
| Dimensioni della camera di combustione (Altezza \| Larghezza \| Profondità) | H \| W \| L | 545 \| 546 \| 287 | mm |
| Dimensioni dello sportello del focolare (Alt. \| Larg. \| Prof.) | H \| W \| L | 470 \| 650 \| 400 | mm |
| Altezza dell'asse dell'uscita posteriore (laterale) | | --- | mm |
| Volume dello scambiatore di aqua calda | | --- | l |
| Diametro minimo del condotto fumario | | 200 | mm |
| Diametro del gola della canna fumaria | $d_{out}$ | 200 | mm |
| Diametro dell'afflusso centralizzato di aria | | 150 | mm |
| Lunghezza mass. (tubo) di alimentazione centrale dell'aria | | 6000 | mm |
| Peso | m | 247 | kg |

**Capacità termica (Potere calorifico)**
**dimensione minima del locale in cui è installato l'apparecchio**

| | | | |
|---|---|---|---|
| Isolamento della casa – molto buono (20 W/m³) | ad esempio, casa nuova e isolata / abitata in modo permanente | 308 | m³ |
| Isolamento della casa – buono (22,5 W/m³) | | 274 | m³ |
| Isolamento della casa – medio (32 W/m³) | | 193 | m³ |
| Isolamento della casa – cattivo (45 W/m³) | | 137 | m³ |
| Isolamento della casa – molto male (50 W/m³) | ad esempio, una vecchia casa / un cottage / uno chalet non isolato | 123 | m³ |

| **Distanza di materiali infiammabili** | **Nota** | | | |
|---|---|---|---|---|
| Posteriore | $d_R$ | 0 | | mm |
| Anteriore | $d_P$ \| $d_{P1}$ | 1000 | 800 | mm |
| Anteriore (rispetto al pavimento) | $d_F$ \| $d_{F1}$ | 340 | 300 | mm |
| Laterali | $d_S$ \| $d_{S1}$ | 270 | 270 | mm |
| Laterali – nicchia | $d_{S2}$ | --- | | mm |
| Laterali – posizione 45° | $d_{S3}$ | --- | | mm |
| Radiazione laterale | $d_L$ \| $d_{L1}$ | 330 | 280 | mm |
| Dal pavimento | $d_B$ | 100 | | mm |
| Dal soffitto | $d_C$ | 500 | | mm |
| Dal bordo posteriore e laterale dell'inserto del caminetto fino all'interno dell'isolazione | $d_{S4}$ | 120 | | mm |




Durante il montaggio e l'uso del prodotto, devono essere rispettate tutte le normative locali, incluse le norme nazionali ed europee.

| Legenda | Nota | Descrizione | Materiale | Dimensione |
|---|---|---|---|---|
| **1** | | Apparecchio | 174P 0000 003 | |
| **2** | | Scarico fumi | metallo | DN 200 |
| **3** | | Isolamento del raccordo scarico fumi | | |
| **4** | | Isolamento minerale | | |
| **5** | | Spazio d'aria di convezione intorno all'inserto | | |
| **6** | | Isolazione della parete | SILCA 250 | 2x50 mm |
| **6A** | | Isolazione del soffitto | SILCA 250 | 80 mm |
| **7** | | Parete di protezione | refrattario trafialto | 100 mm |
| **8** | | Parete infiammabile | | |

| | | | |
|---|---|---|---|
| **9** | Lastra di calcestruzzo | | |
| **10** | Pavimento infiammabile | | |
| **11** | Trave decorativa | | |
| **12** | Trave con intercapedine di ventilazione | | |
| **13** | Ingresso aria di convezione | | 700 $cm^2$ |
| **14** | Uscita aria di convezione | | 900 $cm^2$ |
| **15** | Rivestimento | SILCA 250 | 40 mm |
| **16** | Telaio di supporto | | |
| **17** | Soffitto infiammabile | | |
| **18** | Pannello isolante protettivo per pavimenti infiammabili | SILCA 250 | 40 mm |
| **19** | Gestione dell'aria comburente | | |
| **20** | Copertura in lamiera con utilizzo di lana di roccia | | |
| **21** | Se necessario, piastra di protezione sotto l'apparecchio | | |
| **$d_C$** | Dall'alto della bocchetta aria superiore al soffitto combustibile | | 500 mm |
| **$d_{C1}$** | – Dalla parte superiore dell'inserto caminetto alla parte inferiore dell'isolazione del soffitto<br>– In caso di utilizzo scambiatore di calore, dal bordo superiore dello scambiatore alla parte inferiore dell'isolamento del soffitto | | 300 mm<br>200 mm |
| **$d_{S4}$** | Dal bordo posteriore e laterale dell'inserto del caminetto fino all'interno dell'isolazione | | 120 mm |
| **$d_{S5}$** | Dal bordo anteriore dell'inserto caminetto fino all'interno dell'isolazione | | 10 mm |
| **$d_B$** | Dal fondo dell'inserto caminetto al pavimento ignifugo | | 100 mm |

**Avviso:** I pannelli di protezione antincendio / isolamento SILCA® 250SB possono essere sostituiti da un materiale non infiammabile adatto con una conduttività termica (λ) ≤ 1,1 $W \cdot m^{-1} \cdot K^{-1}$.

Parete di protezione – refrattario trafialto (spessore 100 mm) possono essere sostituiti da un materiale non infiammabile adatto con una conduttività termica (λ) ≤ 0,36 $W \cdot m^{-1} \cdot K^{-1}$.

