

Garrison:

Technical information

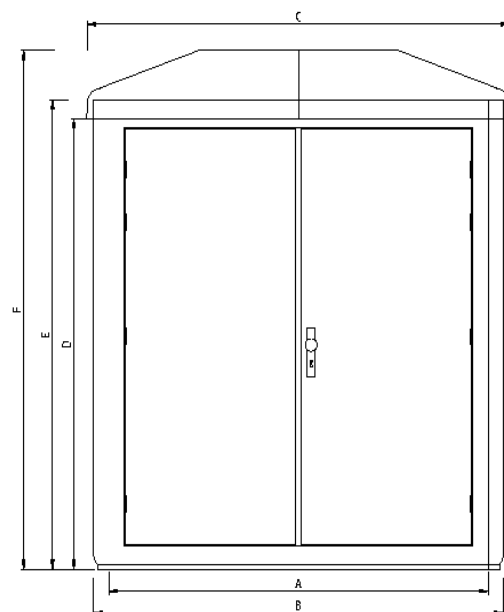
Dimensions

Minimum: 0.5 m length, 1.0 m width, 1.5 m height.

Maximum: unlimited length, 7 m width, 3 m height as 1 panel.

Greater height through construction by connecting panels.

- A. Effective inside length:
At any length up from 500 mm.
- B. Effective inner width:
Expandable by 500 or 1.000 mm up from 1.000 mm.
Maximum width 7.000 mm!
- C. Effective external dimensions +/- 160mm
- D. Panel height: 2.260, 2.520 and 3.020 mm
- E. Equal to panel height (D) +/- 70mm.
- F. Largest internal dimension (roof side):



Total external height in mm, according to table:

	W1000	W1500	W2000	W2500	W3000	W3500	W4000	W5000	W6000	W7000
H1500	1671	1715	1759	1805	1847	1891	1935	2023	2111	2199
H2000	2171	2215	2259	2305	2347	2391	2435	2523	2611	2699
H2260	2431	2475	2519	2565	2607	2651	2695	2783	2871	2959
H2500	2671	2715	2759	2805	2847	2891	2935	3023	3111	3199
H3000	3171	3215	3259	3305	3349	3391	3435	3523	3611	3699

Maximum internal height F. (measured at the ridge) =
Total external working height (F) +/- 26 mm.

Wall panels composition and structure

Glass fiber reinforced polyester sandwich elements with a 20 mm polyurethane foam core (optional: 30 or 40 mm). The outside is smooth and provided with a UV-stabilized gelcoat layer in color. The inside has a light gray topcoat with a fiberglass structure. The wall elements are designed as an intermediate element or with an integrated corner element (radius: 80 mm).

Roof elements

The roof elements are in the same design and construction as the wall elements.

Doors

- Single or double
- Fitted as standard with doorcatcher with catch spring, galvanized.
- Optional stainless steel door catch without spring
- Door width single: 832 or 900 mm
- Door width double: 1699 or 1835mm

- Door height: 1800, 2000, 2100, 2200, 2300 mm.
- Sill height: approx. 130 mm.
- Optional: removable sill.
- The exterior and interior finish corresponds to the finish of the wall elements.

Glass

- In various sizes and designs
- In wall and door panels
- Double glazing version
- Glass is standard laminated glass
- In aluminum profile
- In fixed, rotating, sliding or tilting version

Fittings

Mounting fittings and hinges in stainless steel 304 version opt. Stainless steel 316 version, with the exception of lifting eyes. Lock: standard 3-point closure construction, suitable for 17mm Euro profile or 22mm Keso cylinder. Material coated steel.



Foundation

The substrate must consist of a flat and perpendicular steel or concrete foundation, with a maximum height difference of 2 mm. This foundation is preferably laid at a slightly higher level compared to ground level. Delivery of the foundation is done by third parties. Anchoring and sealing on the foundation by means of separately supplied stainless steel anchors and closed cell compressive band. If desired, Poly Products can arrange the mounting of the housing on the foundation

Weight

Length x Width x Height (20 mm Pu-foam core)

- 2000 x 1000 x 1500 mm: approx. 235 kg
- 2000 x 2000 x 2000 mm: approx. 365 kg
- 3000 x 2000 x 2500 mm: approx. 575 kg
- 4000 x 3000 x 3000 mm: approx. 1000 kg

Mechanical properties of polyester

- Tensile strength: 52 Mpa (N/mm²)
- Flexural strength: 95 Mpa
- Compressive strength: 90 Mpa
- Modulus of elasticity: 5500 Mpa
- Impact resistance: 35 Kj/m²

Thermal properties

- In 20 mm PU-foam core: $K = 0,92 \text{ W/m}^2 \cdot K$
- In 30 mm PU-foam core: $K = 0,66 \text{ W/m}^2 \cdot K$
- In 40 mm PU-foam core: $K = 0,51 \text{ W/m}^2 \cdot K$

Sound insulation

- Standard: up to approx. 15 dB(A)
- Optional: up to approx. 30 dB(A)
- Optional: sound-absorbing grilles and ventilation facilities.

Protection class

Up to IP 56

Floor and steel frame

Floor and frame are optionally available. Standard floor load: 250 kg/m² optional till 600kg/m².

Construction:

- Polyester anti-slip or linoleum top layer
- Insulated sandwich floor
- Polyester underlay
- Optional recesses and penetrations.
- Frame is standard in galvanized version
- Equipped with lifting and mounting lips
- Optional stainless steel version

Chemical resistance

Polyester is standard resistant to most acids and alkalis at temperatures from -30°C to +80°C, with optional higher resistance

Fire behavior

Standard version fire-resistant class 4 according to NEN 6065, optionally higher fire resistance and lower smoke number

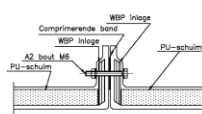
Other options

- Plywood in the walls for mounting purposes
- Electricity and lighting in standard or EEX version
- Ventilation grilles, fans, air conditioners, heating, etc
- Cutouts in roof, wall or floor
- Alternatives in dimensions, special constructions
- Technical calculations regarding ventilation, heating and strength

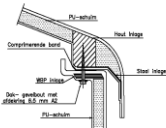
Delivery

The delivery time is approximately 8-10 weeks after receipt of the approved drawing. A Garrison housing is delivered pre-assembled (by truck). Housing with dimensions up from 4160 x 6160 mm are assembled on site.

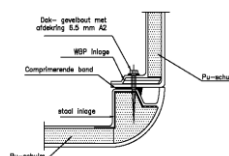
Prices and further specifications available on request.



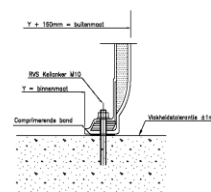
Wall connection/ assembly



Roof connection/ assembly



Corner wall connection/ assembly



Mounting on concrete foundation