

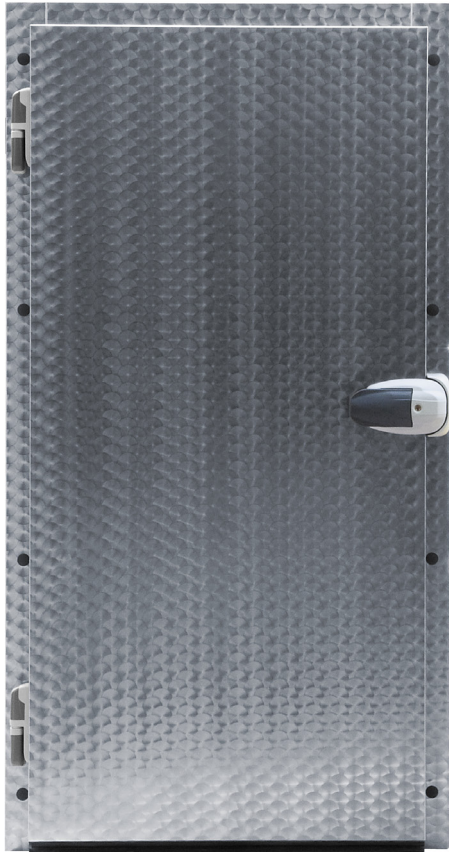
Insulated Panels
Poland, Lithuania, Latvia, Estonia, Ukraine

Kingspan DCH1

Cold storage doors (hinged)

Cold store doors (hinged, single leaf) for use in buildings where the required interior temperature range is 0°C to +16°C.





Technical information:

Temperature range:

- For use in buildings where the required interior temperature range is 0°C to +16°C

Door leaf:

- Door leaf thickness: 80, 100 mm
- Galvanized steel covered with 25 µm PES coating in R9002/R9010; protection foil.
- Other material can be used, e.g. INOX stainless steel, Foodsafe chemically neutral coating 150 µm thick for interior and food contact applications, etc.
- Foamed-in-place polyurethane insulation of 42 (+/- 2) kg/m³ density
- Rounding gasket to seal the contact point between the door leaf and the frame.
- Bottom gasket to seal the space between the door leaf and the threshold.
- Possibility to equip the door with a combined, two-chamber window and plastic bumpers.

Door frame:

- Fitted onto the opening.
- Galvanized steel covered with 25 µm PES coating in R9002/R9010; protection foil.
- Foamed-in-place polyurethane insulation of 50 (+/- 2) kg/m³ density.
- Double frame (interior/exterior) for installation in insulated panel walls
- One-sided for traditional assembly

Hardware:

- Locks provided by Fermod, French leader in hardware for refrigeration industry.
- Rising hinges provided by STUV, German leader in cold store door equipment.
- Safety lock with key.
- Door adjustment with out disassembly

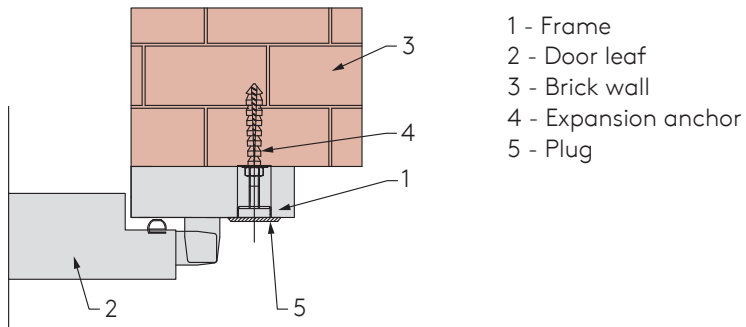
Standard dimensions range:

- min.: 700x1800 mm, max.: 1500x2600 mm
- Non-standard dimensions are also available.

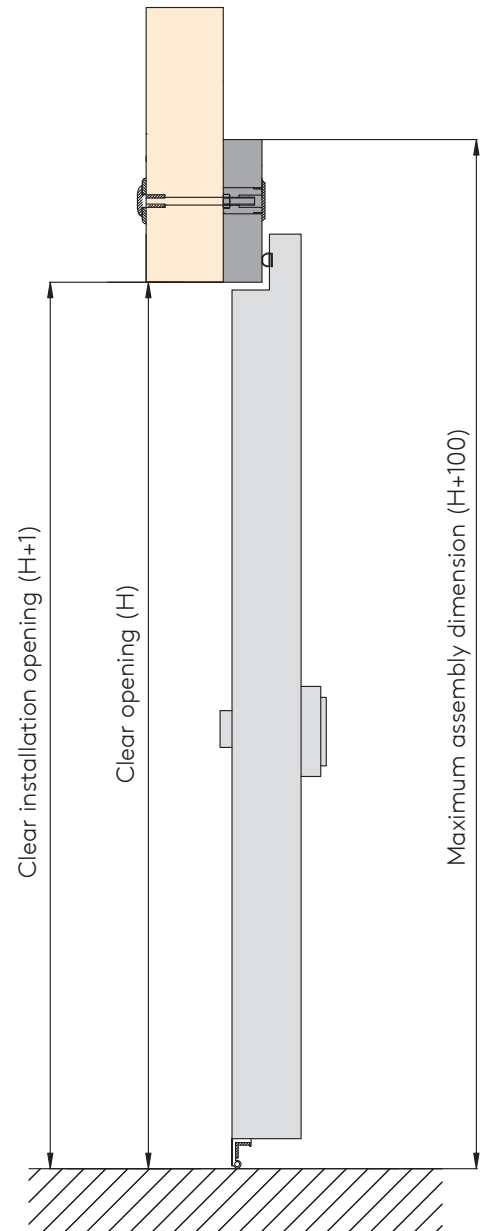


Drawings of installation:

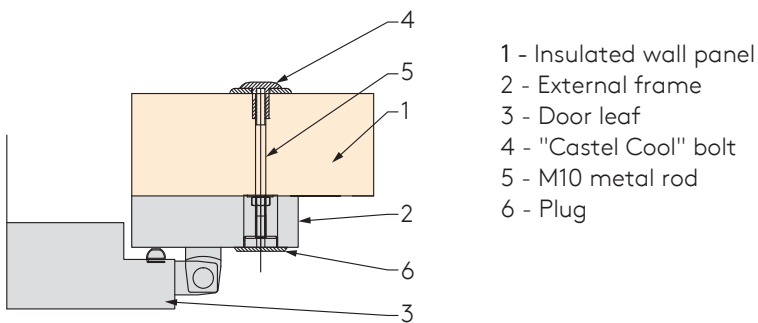
Traditional assembly (brickwall)



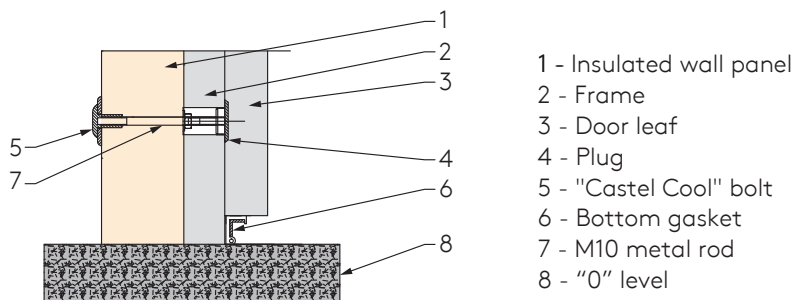
Assembly to wall panel



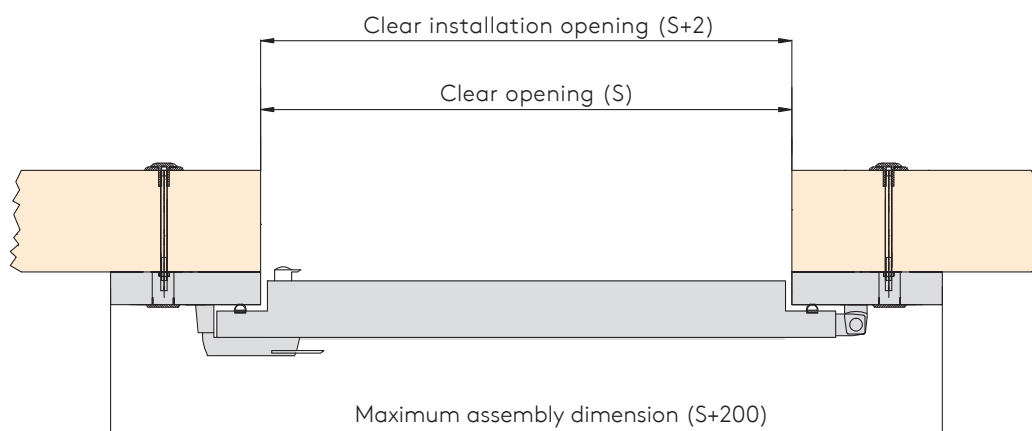
Assembly to insulated wall panel – one frame



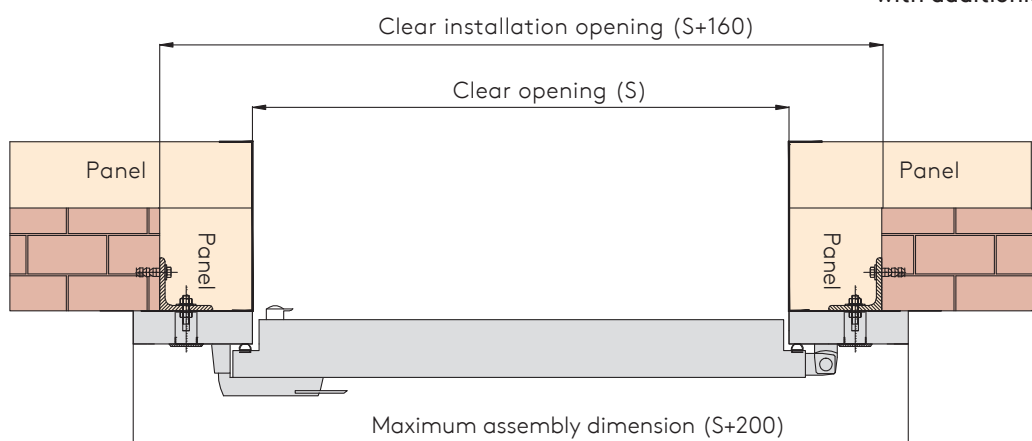
Assembly to insulated wall panel - threshold



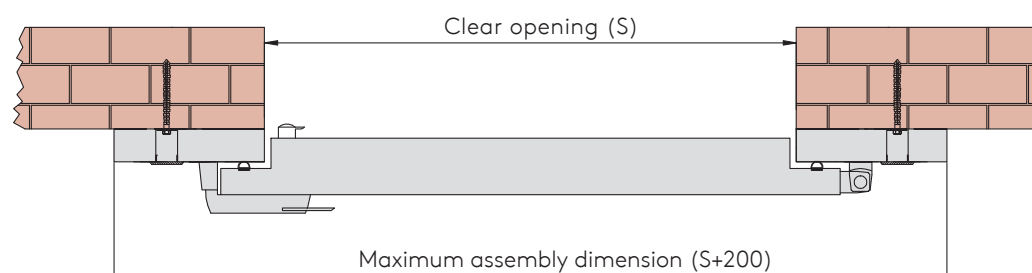
Assembly to insulated wall panel - one frame



Traditional assembly (brickwall) with additional insulation



Traditional assembly (brickwall)



Installation guide:

1. Unpack doors.
2. Read a product description and compare it with your order and goods that have arrived to you (width, height, opening direction).
3. Check dimensions of an opening in a wall with the ones recommended by a producer (see Picture no 1 and 2).
4. Clean and smooth edges and surfaces of the opening.
5. Check the floor level at the area of a leaf revolution. In case of a lack of a target form of the floor you should allow for a proper installation gap.
6. Take the door leaf down a frame and remove a technological beam.
7. Put the frame temporarily in the chosen opening in the wall and immobilize it.
8. Correct the initial arrangement of the frame in the opening and immobilize it with quick installation handles.
9. Indicate and make installation holes for screws (installation to panels) or anchors (installation to brick wall).
10. Install flashings in case of installation to panel.
11. Put the frame in the prepared place and immobilize it with quick installation handles. As far as freezer doors are concerned you should install a threshold on the same level as the existing floor and embed it in concrete.
12. Check the horizontal and vertical level of the frame and regulate it if necessary.
13. Check how the leaf closes and opens in the frame - depending on the situation, regulate it.
14. Tighten screws to install the arms of the frame.
15. Fill in a gap between the frame and the wall (the frame and a panel) with silicone.
16. Cover installation holes.
17. Remove protective foil from the leaf surface directly after the installation.

Maintenance

Recommendations:

- At least twice a year you should smear lubricant on all hinges and a lock.
- At least twice a year you should preserve gasket with a substance for sealant preservation.
- You should fill in a loss of lacquer or zinc layer (which has been caused by scratches) to prevent the product from corrosion. Losses should be filled in with commonly-used anticorrosion paints.

Transport and storage of doors

- You should exercise extreme caution while door transport and storage.
- Loading room should be clean and no sharp elements should stick out of the floor and walls to prevent doors from damage.
- Doors for transport (storage) should be laid vertically (separately) or horizontally – maximum 5 layers separated with a protective separator (standard-sized doors are packed in a carton box). In cases of big-sized doors, transport and storage should be arranged on a special rack.
- Doors that have been loaded on a truck should be belted to the vehicle in such a way that stability is ensured and goods are prevented from movement and damages during transport.
- Storage place should be dry and airy; apart from this it should shelter doors from rain, snow and sunlight.

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Issue: 05/08/2025 (v3)

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