

Data sheet

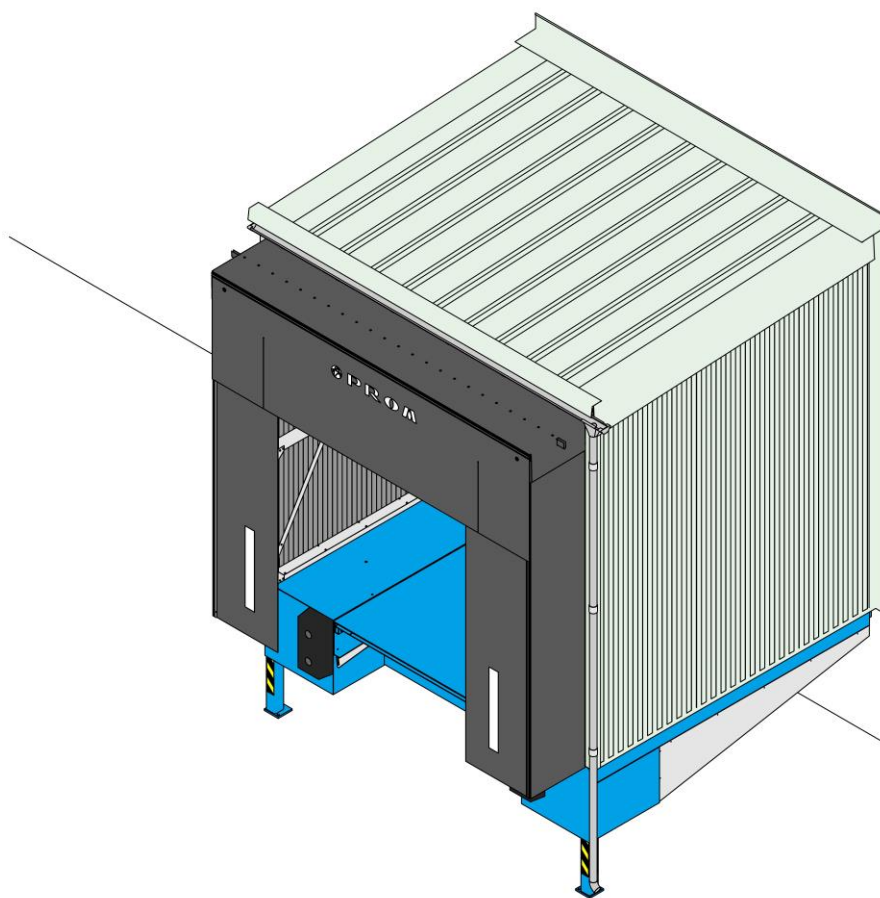


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1. General information

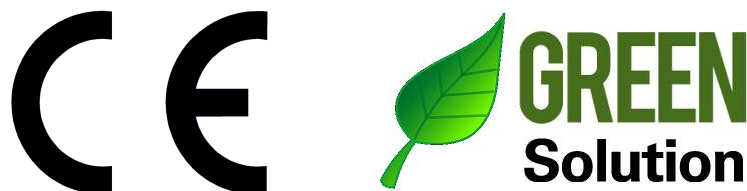
The external loading house is a roofed structure which together with the external loading platform, the segment industrial gate and the dock shelter make a complete loading system installed outside the building.

Houses can be mounted both in new and existing buildings. Loading houses allow you to save a valuable warehouse space, while ensuring thermal insulation of the site.

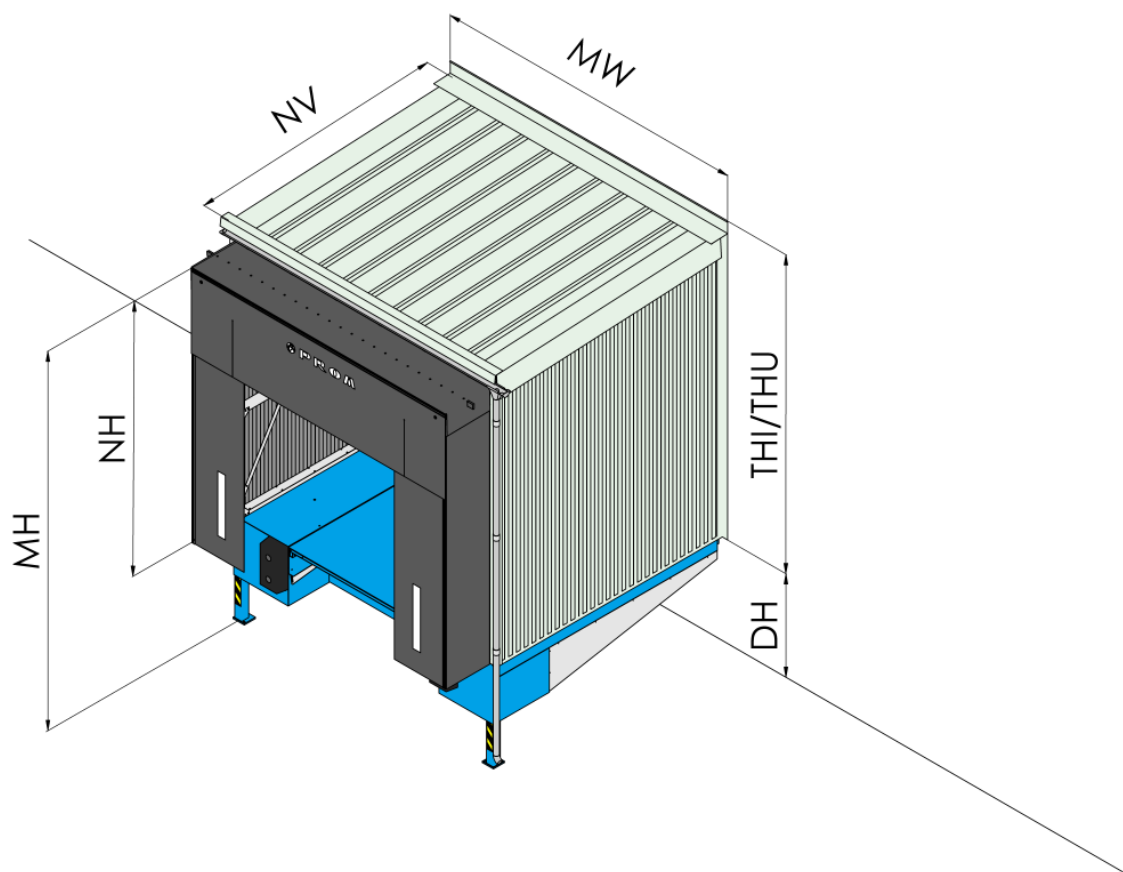
The whole steel structure of the external loading house is hot-dip galvanised. As an additional option, we offer facade components adjusted to your building.

Advantages of the loading house:

- Thermal insulation of the warehouse and loading system guarantee significant reduction of power costs. It is particularly important for warehouses in which constant temperature has to be maintained.
- Easy and quick assembly of house components on the existing parts of the loading system. Assembly can be carried out when performing loading operations.
- Depending on needs, the casing consists of non-insulated trapezoidal sheet or 40 mm thick ISO panels. It can also be covered with the same material used for the building facade.
- With this conception, it is possible to use levellers with hinge or telescopic lip and install different types of dock shelters perfectly adjusted to the needs of a given loading system.
- As Promstahl products are assembled using ready components, they can be mounted in series to buildings and, if there is little space in front of the building, at an angle as structures mounted in series with offset.
- All devices intended for loading operations are located outside the building, thus additional storage space is provided.
- Strength in accordance with DIN 1055 parts 4+5
 - Max snow load 2.8 kN/m²
 - Max wind resistance 0.65 kN/m²
 - Steel structure as per DIN 18800
 - Local building regulations have to be observed



1.1 Design features



- NV loading house nominal length (NL+20)
- MW house width
- NW leveller nominal width
- THI house height (with insulation)
- THU house height (without insulation)
- DH platform height
- NH dock shelter nominal height
- MH dock shelter mounting height, recommended value: MH=4500 for a vehicle up to 4000 mm in height

External loading house PL

NV	2020			2470		
DH	950-1050	1100-1250	1300-1500	950-1050	1100-1250	1300-1500
THI	4040	3840	3640	4065	3865	3665
THU	3995	3795	3595	4020	3820	3620
MW	for all dimensions 3300, 3500, 3600					

All dimensions in mm

NV	3020			3520		
DH	950-1050	1100-1250	1300-1500	950-1050	1100-1250	1300-1500
THI	4090	3890	3690	4115	3915	3715
THU	4045	3845	3645	4070	3870	3670
MW	for all dimensions 3300, 3500, 3600					

All dimensions in mm

Standard house mounting angles: 90°, 45°/135°, 75°/105° and 60°/120°. Other angles available on request.

Colour palette

All insulated and non-insulated casings are available in standard colours:

External:

RAL 9002 (grey white)

RAL 9006 (white aluminium)

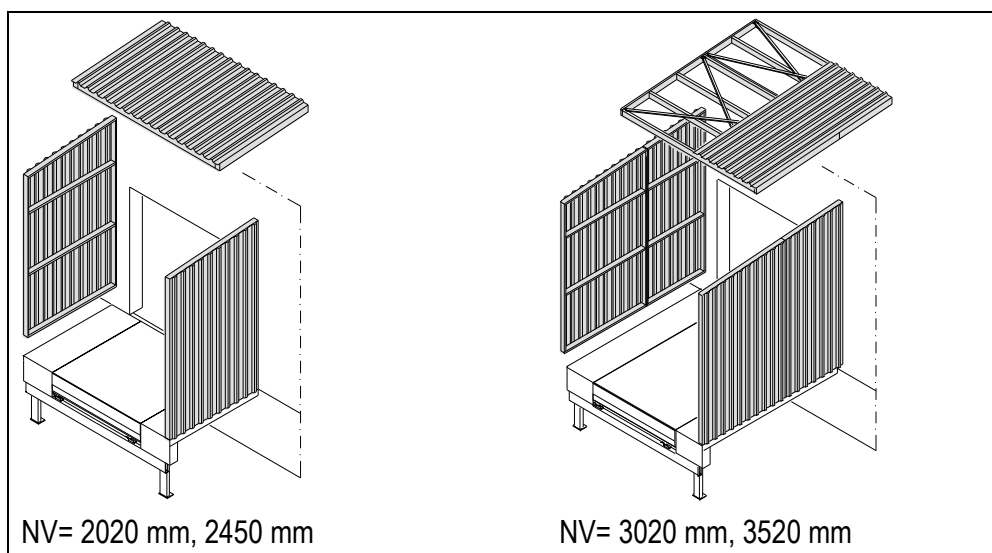
Other colours available on request.

Internal:

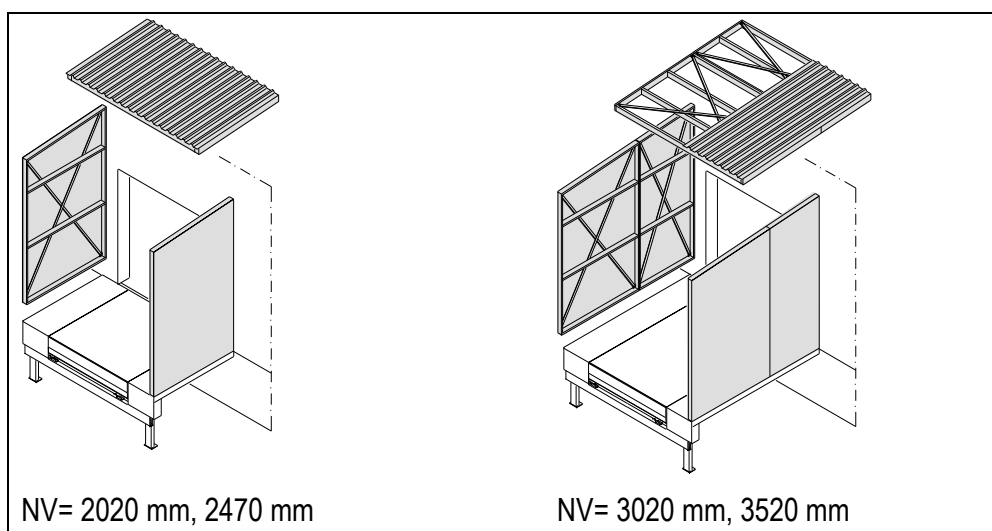
RAL 9002 (grey white)

2. Types of walls

U = without insulation

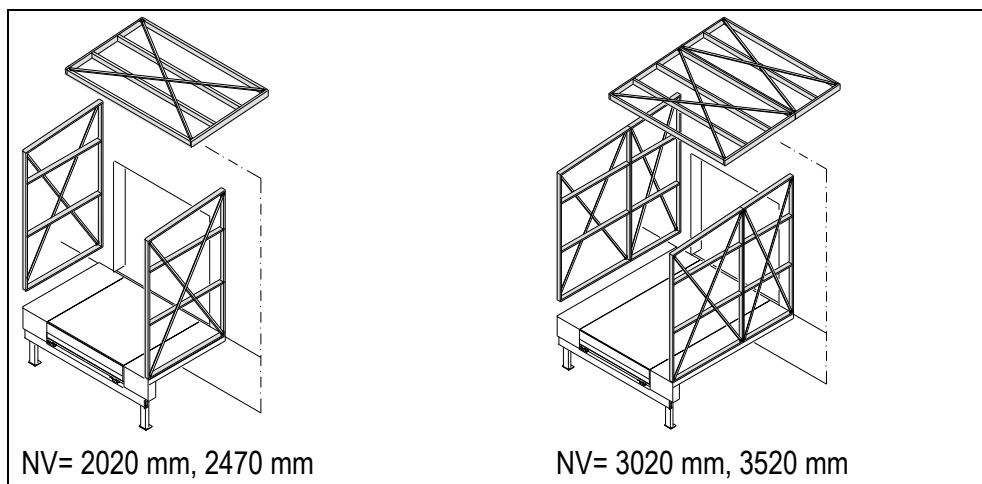


I = insulated

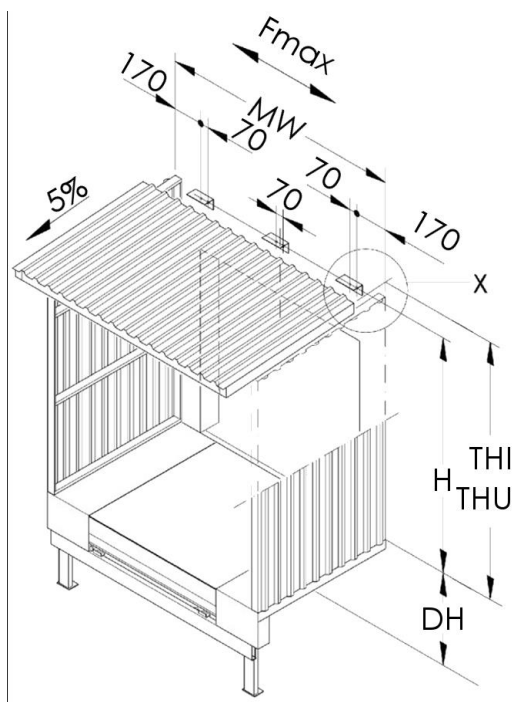


External loading house PL

X= steel frame



3. Fixing to a building wall



MW house width

NV loading house nominal length

H mounting height

THI house height (with insulation)

THU house height (without insulation)

DH platform height

Wall capacity:

$F_{max}=4.5$ kN (NV 2020, 2470)

$F_{max}=6.4$ kN (NV 3020, 3520)

NV	2020			2470		
DH	950-1050	1100-1250	1300-1500	950-1050	1100-1250	1300-1500
H	3610	3410	3210	3635	3435	3235
THI	4040	3840	3640	4065	3865	3665
THU	3995	3795	3595	4020	3820	3620

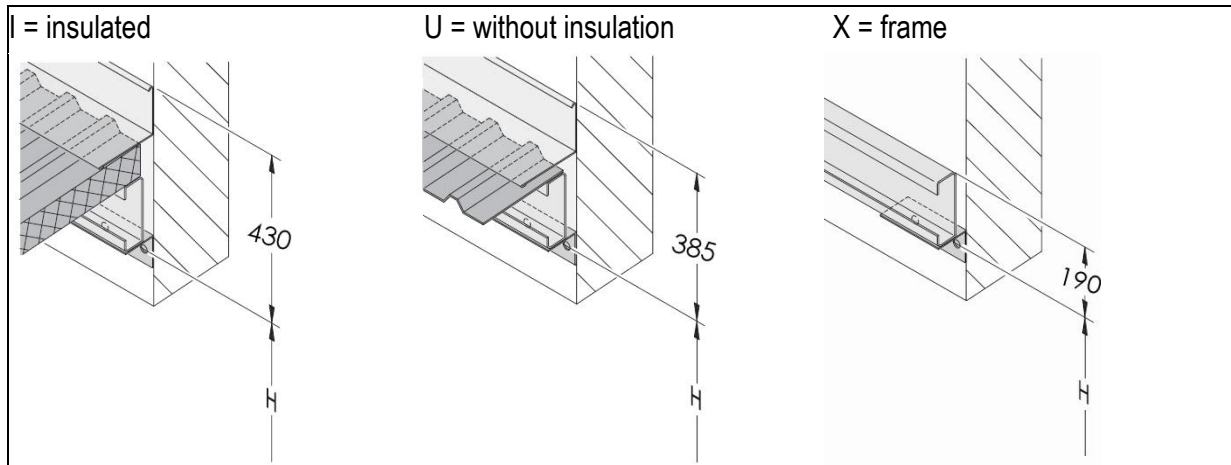
All dimensions in mm

NV	3020			3520		
DH	950-1050	1100-1250	1300-1500	950-1050	1100-1250	1300-1500
H	3660	3460	3260	3685	3485	3285
THI	4090	3890	3690	4115	3915	3715
THU	4045	3845	3645	4070	3870	3670

All dimensions in mm

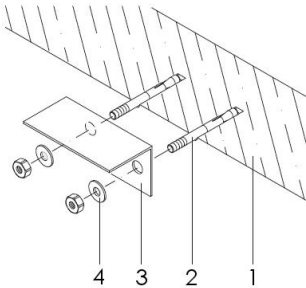
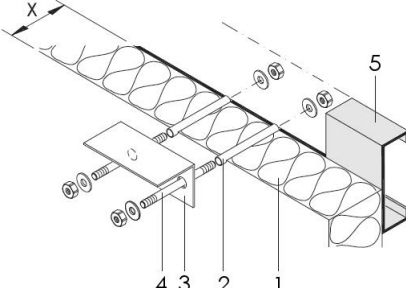
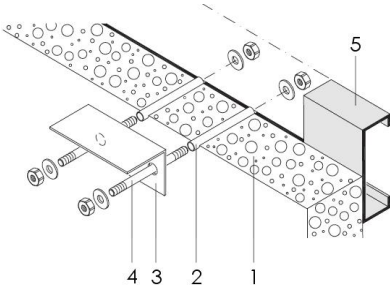
External loading house PL

'X' connection part

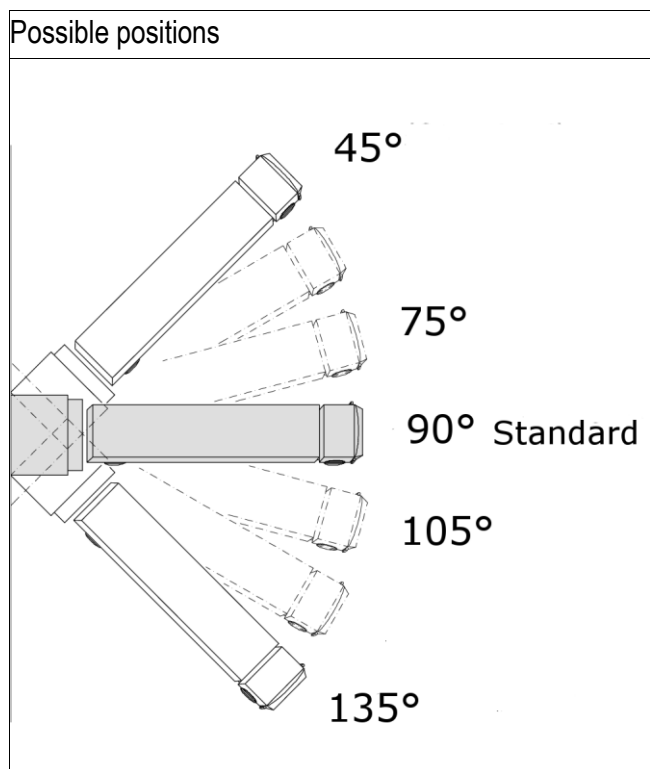


H – mounting height (min 100 mm above the door)

Wall installation

Concrete wall	ISO insulated wall	Aerated concrete wall
		
1 Concrete wall 2 Anchor 3 Angle bar 4 Washer	1 Insulated wall 2 Spacer sleeve 3 Angle bar 4 Pin with screw and washer 5 Mounting frame * - x Wall thickness (x=100 mm or 200 mm)	1 Aerated concrete wall 2 Spacer sleeve 3 Angle bar 4 Pin with screw and washer 5 Mounting frame* (z.B. C-profile 120x40x15x3 mm)
* not delivered by PROMStahl		

Positioning options



Other angles available on request.