

# Product datasheet

Loadhouse

Crawford LH6080L

**ASSA ABLOY**

ASSA ABLOY Entrance Systems

The global leader in  
door opening solutions



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# Technical facts

## Features

|   |   |
|---|---|
| Sizes - nominal length*                         | 2000, 2450, 3000 mm   |
| Sizes - nominal width*                          | 3300, 3500, 3600, 3750 mm   |
| Insulated cladding:<br>Thickness of insulation: | Roof and wall panels with 40 mm insulation  |
| Surface treatment:                              | Hot dip galvanised<br>Inside colour-coated<br>Outside colour coated 25 µm             |
| Uninsulated cladding:<br>Thickness of material: | 0,6 mm profiled steel sheet   |
| Surface treatment:                              | Hot dip galvanised<br>Inside protective coating 10 µm<br>Outside colour-coating 25 µm |
| Surface steel frame:                            | Hot dip galvanised  |

\* Other sizes are available on request

## Performance

|                       |                        |            |
|-----------------------|------------------------|------------|
| Basic wind load       | 0,84 kN/m <sup>2</sup> | Eurocode 3 |
| Basic snow load       | 2,00 kN/m <sup>2</sup> | Eurocode 3 |
| Accumulated snow load | 3,50 kN/m <sup>2</sup> | Eurocode 3 |

Observe the local building regulations

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# 1. Description

## 1.1 General

### 1.1.1 Application

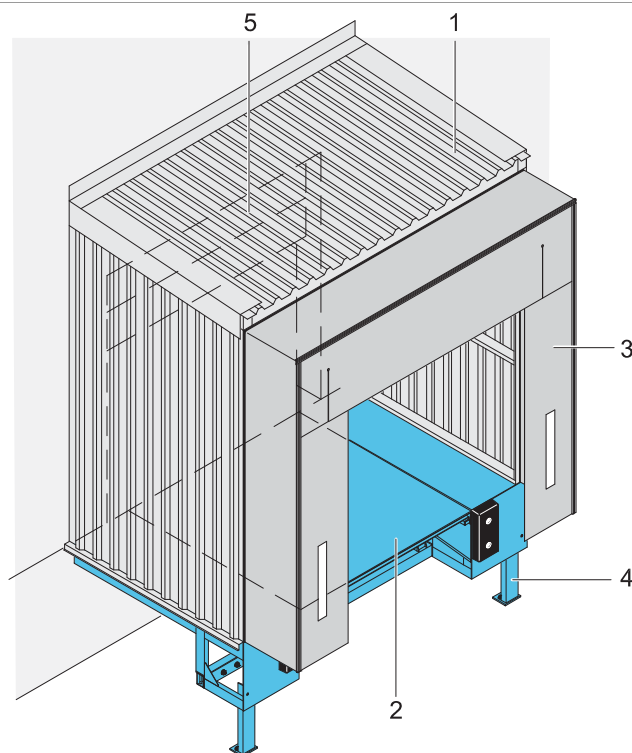
The Crawford LH6080L heavy duty stand alone loadhouse is a loading system that represents a complete and stand-alone unit that is installed in front of the building. It comprises all components of a docking system: an Autodock leveller, a dock shelter and an overhead sectional door. These components are presented in their individual product datasheets. This product datasheet describes the steel cladding; the load house in which all components are integrated.

Since it is installed outside the building directly in front of the door opening it has great advantages over a conventional internal ramp for both new buildings as well as for existing buildings that are to be upgraded without any major modifications to the construction of the building. As a standard the entire steel frame construction of the Crawford LH6080L heavy duty stand alone loadhouse is hot dip galvanised. Recommended options are a roof drainage system and flashing, adapted to your building.

### 1.1.2 Advantages

- Thermal separation of warehouse and docking system guarantees considerable energy saving, important for temperature controlled and freezer warehouses.
- Easy and fast installation of pre-assembled components on existing foundations which can be fastened on the outside wall of the building, without disrupting the daily use of the building.
- The cladding consists either of non-insulated profile sheet material or of 40 mm insulation panels; it can also be cladded with the material of the warehouse facade.
- The Crawford LH6080L heavy duty stand alone loadhouse design allows the use of an Autodock swinglip or telescopic lip leveller and the installation of a mechanical or inflatable dock shelter, whatever best suits the loading frequency.
- Because of individual components it can be installed as a single house or a multiple system.
- The single house can be installed at a 45° or 135° angle if the room in front of the loading system is limited.
- The storage room in the warehouse is extended since the complete docking system is placed outside the building.
- Even shorter tax depreciation periods are possible. Please ask your tax lawyer.

### 1.1.3 Overview



- 1) Steel cladding
- 2) Autodock leveller
- 3) Dock shelter
- 4) Autodock support structure
- 5) Overhead sectional door

### 1.1.4 Standard

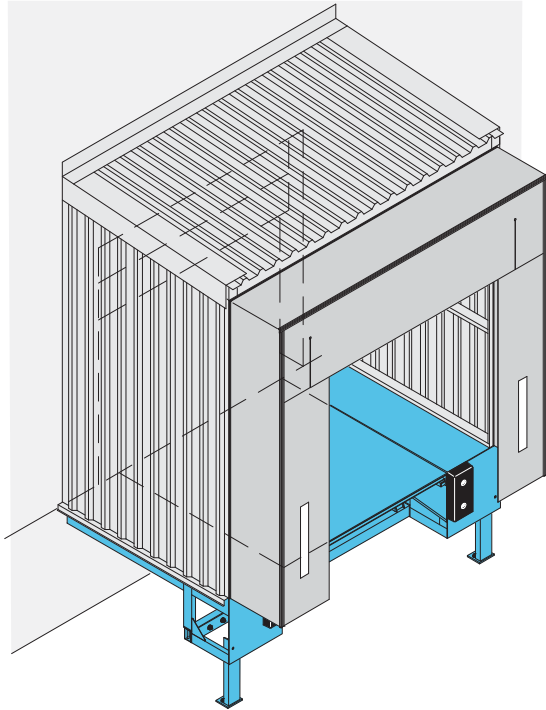
|                     |                           |
|---------------------|---------------------------|
| Nominal length:     | 2000, 2450, 3000 mm       |
| Nominal width:      | 3300, 3500, 3600, 3750 mm |
| Angular adjustment: | 90°                       |

### 1.1.5 Options

|                      |   |
|----------------------|---|
| Models:              | HM - house mechanical<br>HI - house inflatable            |
| Cladding types:      | I - insulated<br>U - uninsulated<br>X - steel frame       |
| Angular adjustments: | 45° or 135°   |
| Roof:                | Drain pipe and gutter<br>Anti-drip-coating                |
| Wall:                | Wall connection profile<br>Wall protection plywood veneer |

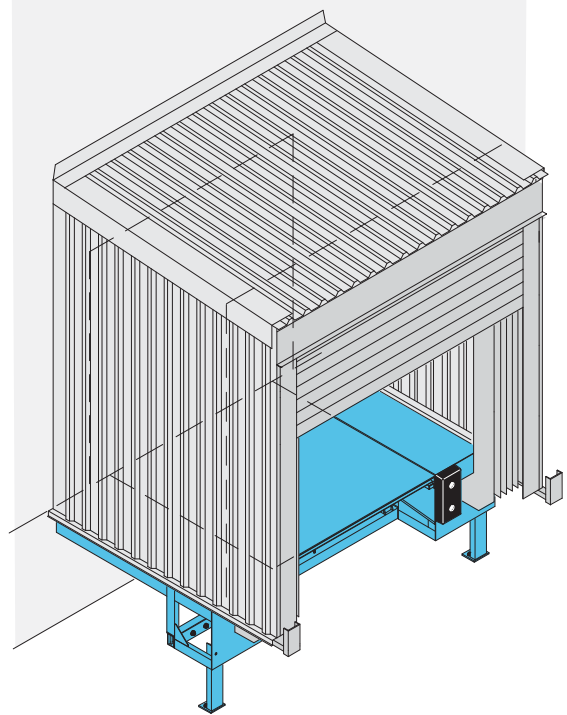
### 1.1.6 Model HM - House mechanical

The model HM is designed for an Autodock leveller with a mechanical dock shelter type SME or SMP. This loadhouse model is the most economical solution for external dock installations.



### 1.1.7 Model HI - House inflatable

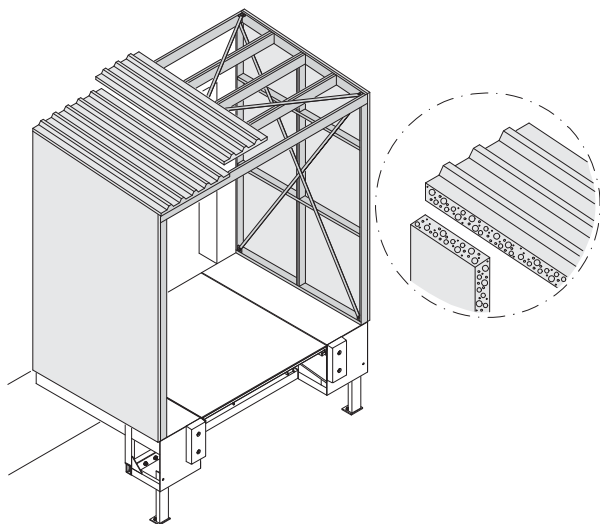
The model HI is designed for an Autodock leveller with an inflatable dock shelter type SIR or SIB. This loadhouse model provides a high degree of sealing.



## 1.2 Cladding types

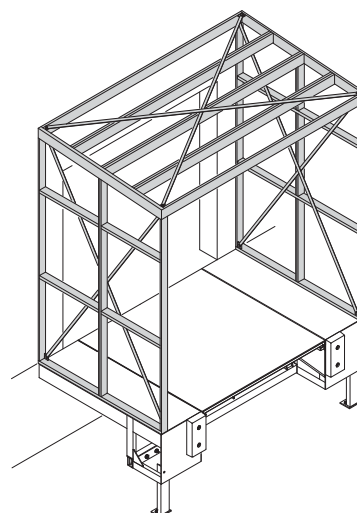
### 1.2.1 I - Insulated

For optimal insulation the I-insulated type is provided with 40 mm insulated cladding.



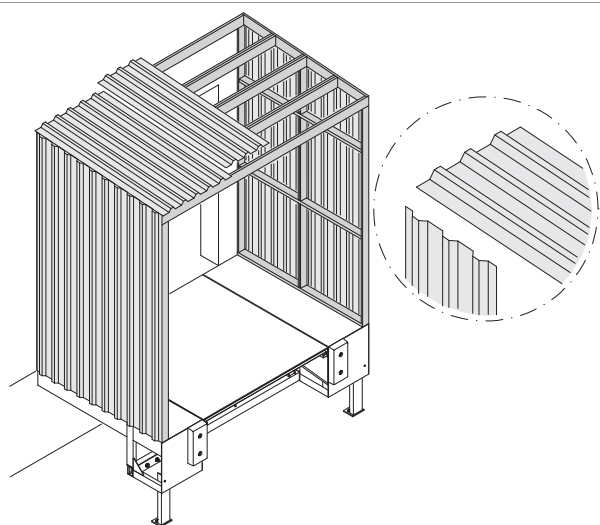
### 1.2.3 X - Steel frame

For applications where the existing building facade cladding is used, the X-steel frame type is provided with only a steel frame.



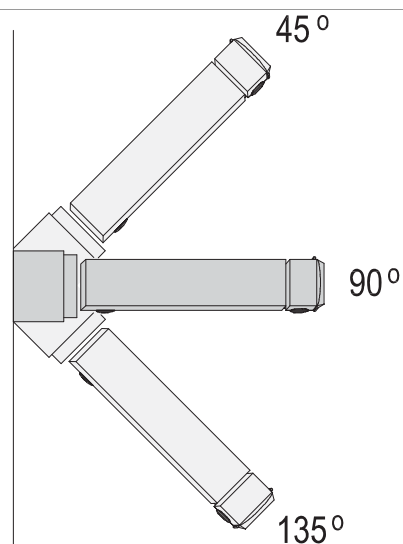
### 1.2.2 U - Uninsulated

The U-uninsulated type is provided with non-insulated profile sheet material cladding.



### 1.2.4 Angular adjustment

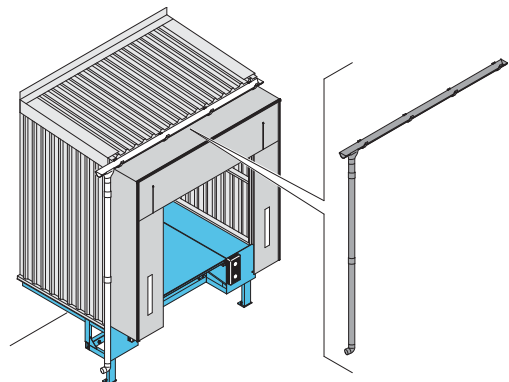
For applications where the yard space is limited, the load house can be installed with angular adjustments.





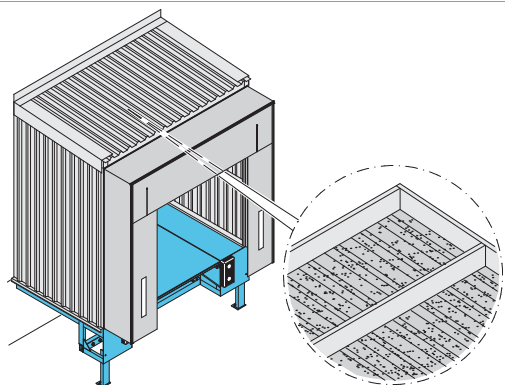
### 1.2.5 Drain pipe and gutter

To have controlled water drainage, the loadhouse can be equipped with drain pipe and gutter.



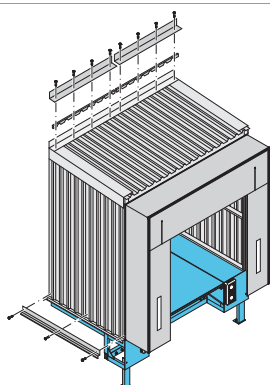
### 1.2.6 Anti-drip-coating (only for cladding type U - uninsulated)

To avoid condense water leading to moisture in the loading area, the inside surface of the roof sheet material can be delivered with a layer of felt as anti-drip-coating.



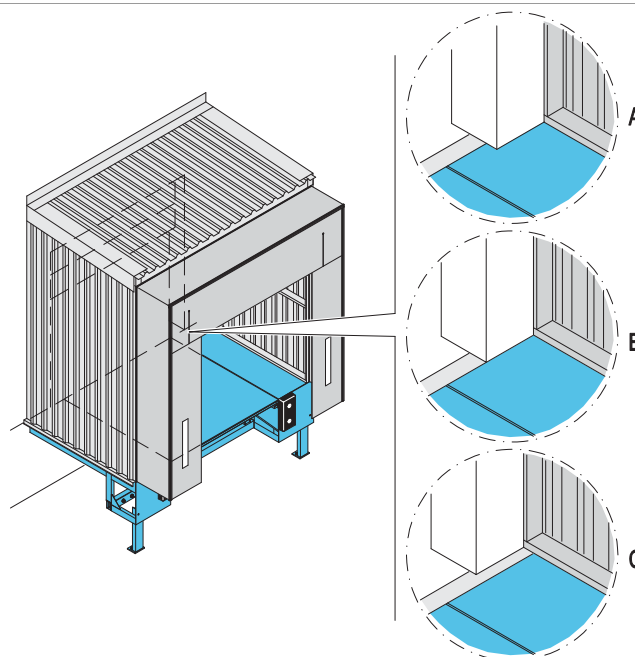
### 1.2.7 Wall profile and water nose

To connect the loadhouse structure to the building, horizontal angle profiles including sealing material can be included in the installation. Water is led off the loadhouse by a water nose on the side.



### 1.2.8 Protrusion on façade

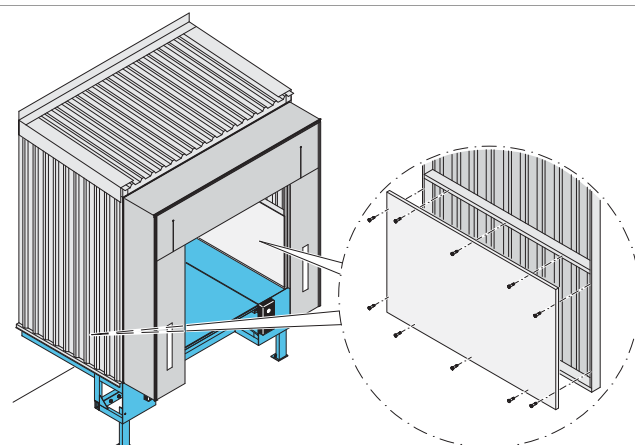
In order to meet all kind of façades a protrusion on the façade of +100mm to -100mm is available.



- a) Positive protrusion
- b) No protrusion
- c) Negative protrusion

### 1.2.9 Wall protection plywood veneer

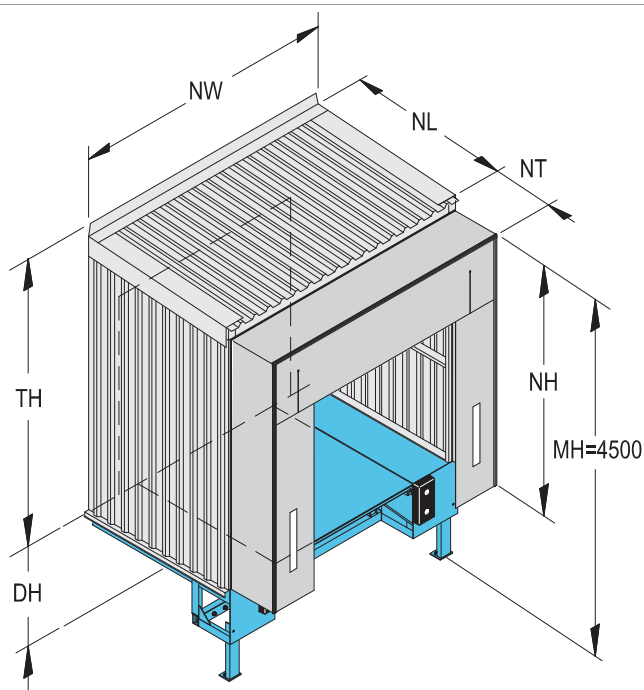
To protect the walls inside the loadhouse against possible damages from the handling equipment, the lower part can be equipped with a cover of a plywood veneer (1200 mm high). This is also the recommended solution for applications where the inside walls needs to be closed and have a straight surface.





## 2. Specifications

### 2.1 Dimensions HM



|    |   |
|----|---|
| NW | Nominal width [3300, 3500, 3600 mm]   |
| NL | Nominal length  |
| TH | Total height  |
| DH | Dock height   |
| NH | Nominal height dock shelter   |
| NT | Nominal width dock shelter  |
| MH | Assembly height dock shelter Recommendation:<br>MH=4500 for lorry-heights up to 4000 mm |

|      |      | Total Height > TH* |         |         |
|------|------|--------------------|---------|---------|
|      |      | NL 2000            | NL 2450 | NL 3000 |
| DH   | 950  | 3880               | 3910    | 3950    |
|      | 1000 | 3830               | 3860    | 3900    |
|      | 1050 | 3780               | 3810    | 3850    |
|      | 1100 | 3730               | 3760    | 3800    |
|      | 1150 | 3680               | 3710    | 3750    |
|      | 1200 | 3630               | 3660    | 3700    |
|      | 1250 | 3580               | 3610    | 3650    |
|      | 1300 | 3530               | 3560    | 3600    |
|      | 1350 | 3480               | 3510    | 3550    |
|      | 1400 | 3430               | 3460    | 3500    |
| 1450 | 3380 | 3410               | 3450    |         |
| 1500 | 3330 | 3360               | 3400    |         |

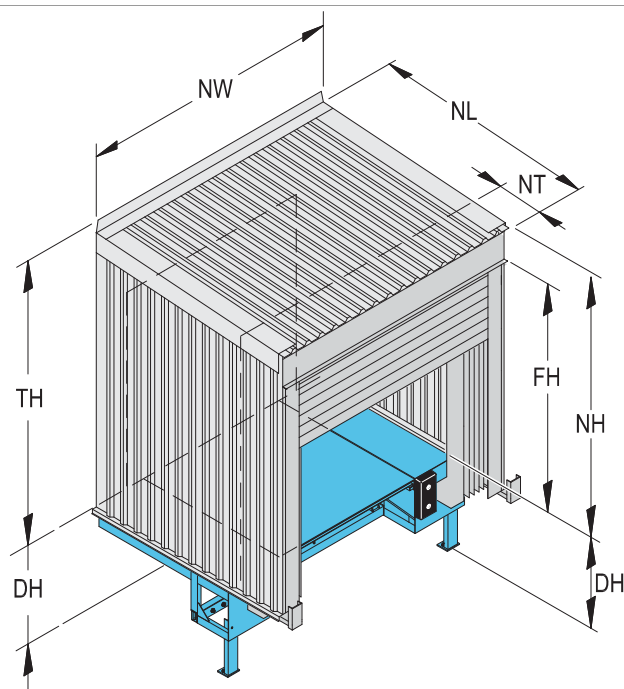
\* Measurement only valid for insulated wall setup. For uninsulated wall setup TH is 60mm less. When the loadhouse is supplied with rain pipe and gutter add 100mm.

## 2.2 Shelter selection guide HM

Depending on the installation type (single or multi) and the width of the loadhouse, the right selection of the type of mechanical shelter & nominal width is indicated in this table.

| HM type | HM width | SMP NW 3200 | SME/SMP NW 3250 | SMP NW 3400 | SME/SMP NW 3450 | SMP NW 3500 |
|---------|----------|-------------|-----------------|-------------|-----------------|-------------|
| Multi   | 3300     | ■           |                 |             |                 |             |
| Single  | 3300     |             | ■               |             |                 |             |
| Multi   | 3500     |             |                 | ■           |                 |             |
| Single  | 3500     |             |                 |             | ■               |             |
| Multi   | 3600     |             |                 |             |                 | ■           |
| Single  | 3600     |             |                 |             |                 | ■           |

## 2.3 Dimensions HI

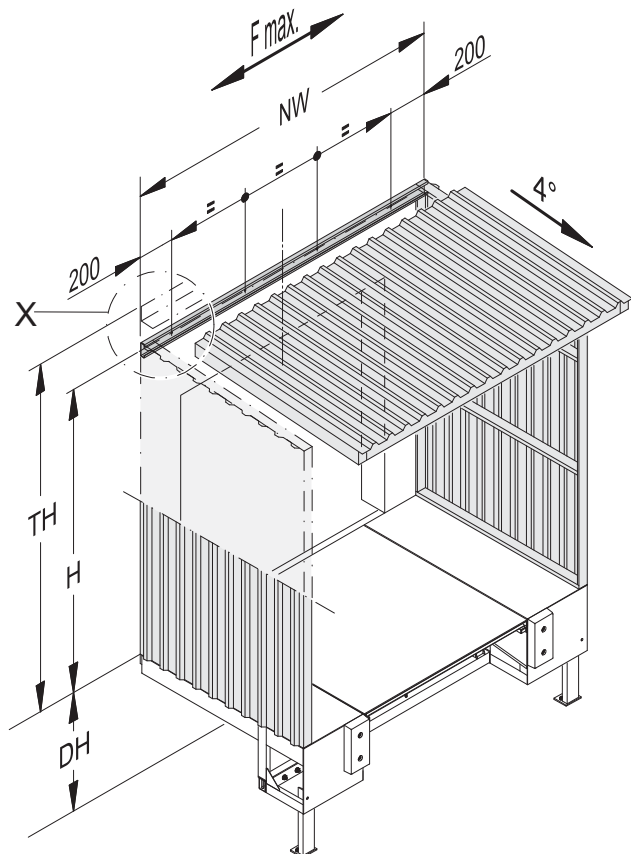


|                     |                                      |         |         |         |
|---------------------|--------------------------------------|---------|---------|---------|
| NW                  | Nominal width [3600, 3750 mm]        |         |         |         |
| L                   | Nominal length                       |         |         |         |
| TH                  | Total height                         |         |         |         |
| DH                  | Dock height                          |         |         |         |
| NH                  | Nominal height dock shelter          |         |         |         |
| NT                  | Nominal width dock shelter           |         |         |         |
| FH                  | Free height above finish floor level |         |         |         |
| Total Height -> TH* |                                      |         |         |         |
| NH                  | FH                                   | NL 2000 | NL 2450 | NL 3000 |
| 3555                | 3100                                 | 3880    | 3920    | 3960    |
| 3755                | 3300                                 | 4080    | 4120    | 4160    |
| 4055                | 3600                                 | 4380    | 4420    | 4460    |
| 4355                | 3900                                 | 4680    | 4720    | 4760    |
| 4555**              | 4100                                 | 4880    | 4920    | 4960    |

\* Measurement only valid for insulated wall setup.

## 3. Building and space requirements

### 3.1 Wall fixings



\* F max. = Maximum wall fixing force (kN)

#### 3.1.1 Fixing heights

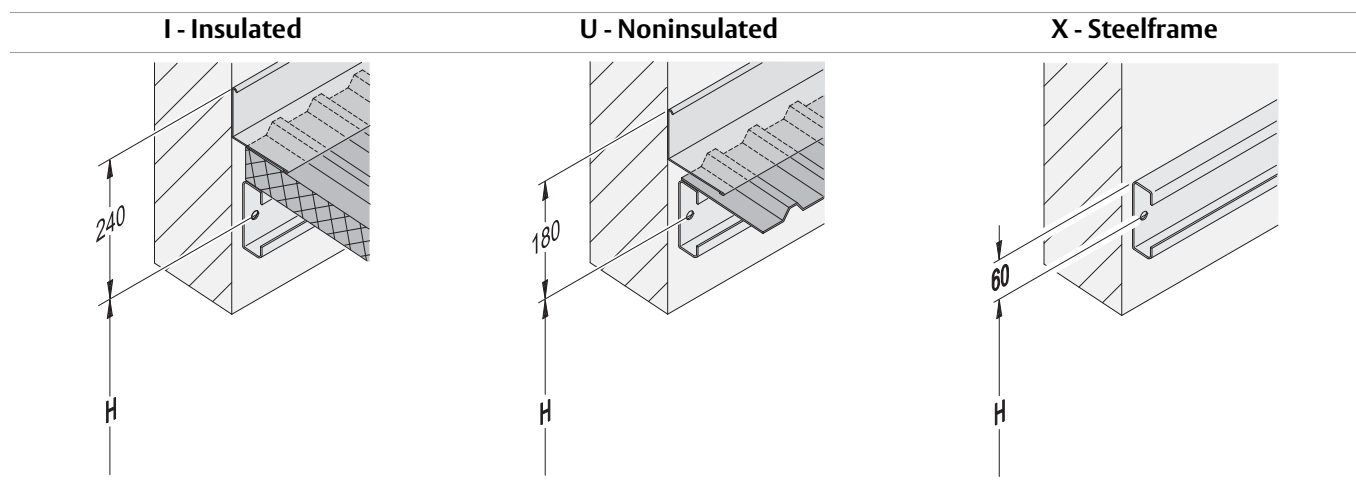
| TH insulated | TH uninsulated | Fixing height |
|--------------|----------------|---------------|
| 3330         | 3270           | 3090          |
| 3360         | 3300           | 3120          |
| 3380         | 3320           | 3140          |
| 3400         | 3340           | 3160          |
| 3410         | 3350           | 3170          |
| 3430         | 3370           | 3190          |
| 3450         | 3390           | 3210          |
| 3460         | 3400           | 3220          |
| 3480         | 3420           | 3240          |
| 3500         | 3440           | 3260          |
| 3510         | 3450           | 3270          |
| 3530         | 3470           | 3290          |
| 3550         | 3490           | 3310          |
| 3560         | 3500           | 3320          |

|      |      |      |
|------|------|------|
| 3580 | 3520 | 3340 |
| 3600 | 3540 | 3360 |
| 3610 | 3550 | 3370 |
| 3630 | 3570 | 3390 |
| 3650 | 3590 | 3410 |
| 3660 | 3600 | 3420 |
| 3680 | 3620 | 3440 |
| 3700 | 3640 | 3460 |
| 3710 | 3650 | 3470 |
| 3730 | 3670 | 3490 |
| 3750 | 3690 | 3510 |
| 3760 | 3700 | 3520 |
| 3780 | 3720 | 3540 |
| 3800 | 3740 | 3560 |
| 3810 | 3750 | 3570 |
| 3830 | 3770 | 3590 |
| 3850 | 3790 | 3610 |
| 3860 | 3800 | 3620 |
| 3880 | 3820 | 3640 |
| 3900 | 3840 | 3660 |
| 3910 | 3850 | 3670 |
| 3920 | 3860 | 3680 |
| 3950 | 3890 | 3710 |
| 3960 | 3900 | 3720 |
| 4080 | 4020 | 3840 |
| 4120 | 4060 | 3880 |
| 4160 | 4100 | 3920 |
| 4380 | 4320 | 4140 |
| 4420 | 4360 | 4180 |
| 4460 | 4400 | 4220 |
| 4680 | 4620 | 4440 |
| 4720 | 4660 | 4480 |
| 4760 | 4700 | 4520 |
| 4880 | 4820 | 4640 |
| 4920 | 4860 | 4680 |
| 4960 | 4900 | 4720 |

#### 3.1.2 Maximum wall fixing force (kN)

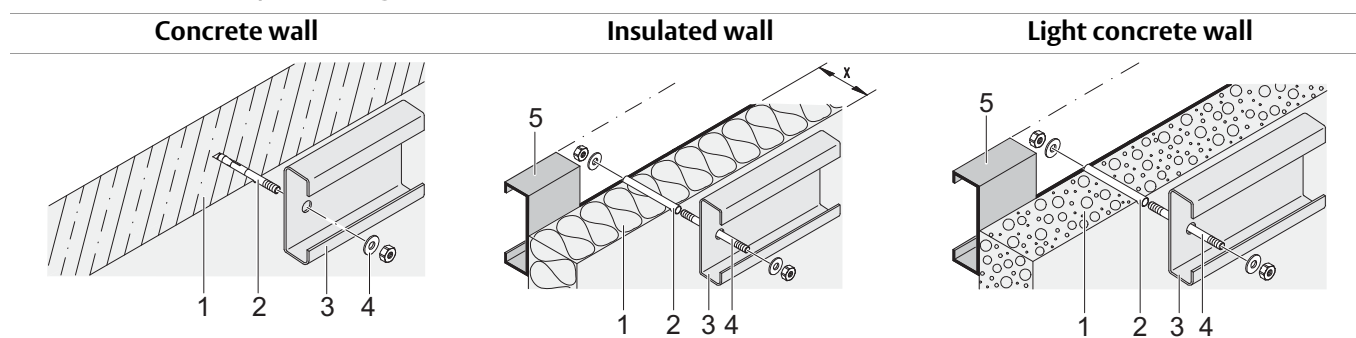
| NL      | F max. |
|---------|--------|
| 2000 mm | 6,3 kN |
| 2450 mm | 6,3 kN |
| 3000 mm | 7,5 kN |

### 3.1.3 Wall fixing details (X)



H: fixing height (min. 100 mm above door height)

### 3.1.4 Wall set up building



- 1) Concrete wall
- 2) Dowel
- 3) Roof profile
- 4) Washer

- 1) Insulated wall
- 2) Spacer tube
- 3) Roof profile
- 4) Threaded bolt with nut and washer
- 5) Mounting frame \*
- X) Wall thickness (x=100 or 120 mm)

- 1) Light concrete wall
- 2) Spacer tube
- 3) Roof profile
- 4) Threaded bolt with nut and washer
- 5) Mounting frame\*

\*(eg. c-profile 120x40x15x3 mm)

# 4. Service

## Preventive Maintenance Program and Modernization Services

As your entrances are part of your business flow, there's every reason to keep them working well. ASSA ABLOY Entrance Systems offers you a maintenance and modernization expertise to rely on. Our Maintenance Programs and Modernization Services are backed by a extensive expertise for all types of industrial door and docking systems, independent of brand. At your disposal is a team of dedicated expert technicians, proven through decades of maintenance, service and satisfied customers.

### Preventive Maintenance Programs

Minimizing lost time, lost energy and unexpected hassle is our team's constant objective. Our service organization can support you 24/7 in maintaining all industrial door and docking systems, independent of brand. If you want to be one step ahead of break-downs, explore our portfolio of Pro-Active Care plans. Naturally, we also offer entrance upgrades to suit your specific wishes and business needs.

### Pro-Active Care - Maintenance plans to fit your business

Regular maintenance can extend the lifetime of your equipment and help prevent unexpected problems. Our technician arrives on-site equipped with the knowledge and tools to service all automatic entrances, independent of brand.

- **Pro-Active Bronze**

The base on which all Pro-Active Plans are built provides the security of knowing that your equipment is regularly inspected and certified for safety, as well as performing optimally. It includes a number of planned on-site visits depending on your needs. Any unplanned service calls required during the term of the contract (including labor, travel and parts) are billed at special Pro-Active Care prices.

- **Pro-Active Silver**

This plan provides all the benefits of Pro-Active Bronze with the added advantage of labor and travel being included for service calls during regular business hours. The only additional charge would be for any parts that may be needed throughout the term of the contract.

- **Pro-Active Gold**

This plan provides the ultimate protection for your automatic entrance investment. It includes all the benefits of Pro-Active Silver, plus replacement of any parts required during an unplanned repair or planned maintenance visit. Pro-Active Gold is an excellent way to budget your automatic door expenses annually.

- **Pro-Active Tailor-Flex**

Our most flexible maintenance and service offering. The Pro-Active Care plan is designed by you, our customer. The plan allows you to balance your maintenance expenses against your real-world budget and presents the option to add or delete a number of maintenance elements to suit your budget goals, while meeting your overall performance and safety needs.

### Modernization

Your entrances are a long-term investment, from which you always want the best. Products develop over time, so do regulations and your business. Let us help you increase energy savings and meet today's standards. We provide advice and modernization kits for outdated installations, ensuring your investment meet requirements and performs optimally for many more years to come.

| Re-Active Service |             | Pro-Active Care   |                   |                 |                        |   |
|-------------------|-------------|-------------------|-------------------|-----------------|------------------------|---|
| Corrective        | SafetyCheck | Pro-Active Bronze | Pro-Active Silver | Pro-Active Gold | Pro-Active Tailor Flex |   |
|                   |             | ○                 | ○                 | ○               | ●                      | Other customized requests such as Response Time, Performance InfoPack and Advanced User Training                    |
|                   |             | ○                 | ○                 | ●               | ○                      | Replacement of worn parts according to preventive Consumable Exchange Program                                       |
|                   |             | ○                 | ○                 | ●               | ○                      | Replacement of spare parts on breakdowns  |
|                   |             | ○                 | ●                 | ●               | ○                      | Travel and labor for additional call-out visits   |
|                   |             | ●                 | ●                 | ●               | ●                      | Preventive maintenance visits 1-4 times per year  |
|                   |             | ●                 | ●                 | ●               | ●                      | Travel and labor for preventive maintenance visits  |
|                   |             | ●                 | ●                 | ●               | ●                      | Response time and priority on call-outs <24h  |
|                   |             | ●                 | ●                 | ●               | ●                      | Preventive planned maintenance that meets the most demanding standards in the market                                |
|                   | ●           | ●                 | ●                 | ●               | ●                      | Safety and quality checks according to applicable regulations and norms. Documentation of test results provided     |
| ●                 | ●           | ●                 | ●                 | ●               | ●                      | Documentation of equipment status, assessment and service provided, all generated on site                           |
| ●                 | ●           | ●                 | ●                 | ●               | ●                      | Highly trained professional technicians with extensive knowledge, state-of-the-art tools and the right spare parts* |
| ●                 | ●           | ●                 | ●                 | ●               | ●                      | Dedicated Professional Customer Care Hotline  |

● = Included as standard

○ = Available at special prices

\* Well-stocked service vehicles with genuine and new spare parts

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ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. With our globally recognized product brands Besam, Crawford, Megadoor and Albany, we offer products and services dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations.  
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