

Models for **telescopic doors** 922T/TA and 924T/TA can be used to automate entrances with heads shorter than the width of the passage.

Table 1: TECHNICAL CHARACTERISTICS

Available models	922 T	924 T	922 TA	924 TA
Head profile	support + telescopic (Fig. 1)		support + telescopic + self-supporting (Fig. 2)	
Number of panels	1+1	1+1+1+1	1+1	1+1+1+1
Max. panel weight	100+100 kg	60+60+60+60 kg	100+100 kg	60+60+60+60 kg
Free passage width Vp	1100 - 3000 mm	1400 - 4000 mm	1100 - 3000 mm	1400 - 4000 mm
Number of drive units	1			
Power consumption	200 w			
Power supply	220 V ± 10% - 50 / 60 Hz			
Duty cycle	continuous			
Drive unit	24 Vdc motor with encoder			
Drive transmission	toothed belt			
Length of standard head Lt (*)	Vp x 1.5 + 100 mm (**)			
Opening speed (adjustable)	0.3 - 0.8 m/s			
Closure speed (adjustable)	0.2 - 0.6 m/s			
Static force (selectable)	90 - 150 N			
Anti-crushing device	standard			
Fail safe (automatic photocell test)	standard			

- (*) The length of the standard head is calculated by adding the following overlaps between the sliding and fixed panels:
- 922 left-right: 100 mm
 - 924: 50 mm + 50 mm
- Overlaps exceeding the above measurements must be specified on the order form.

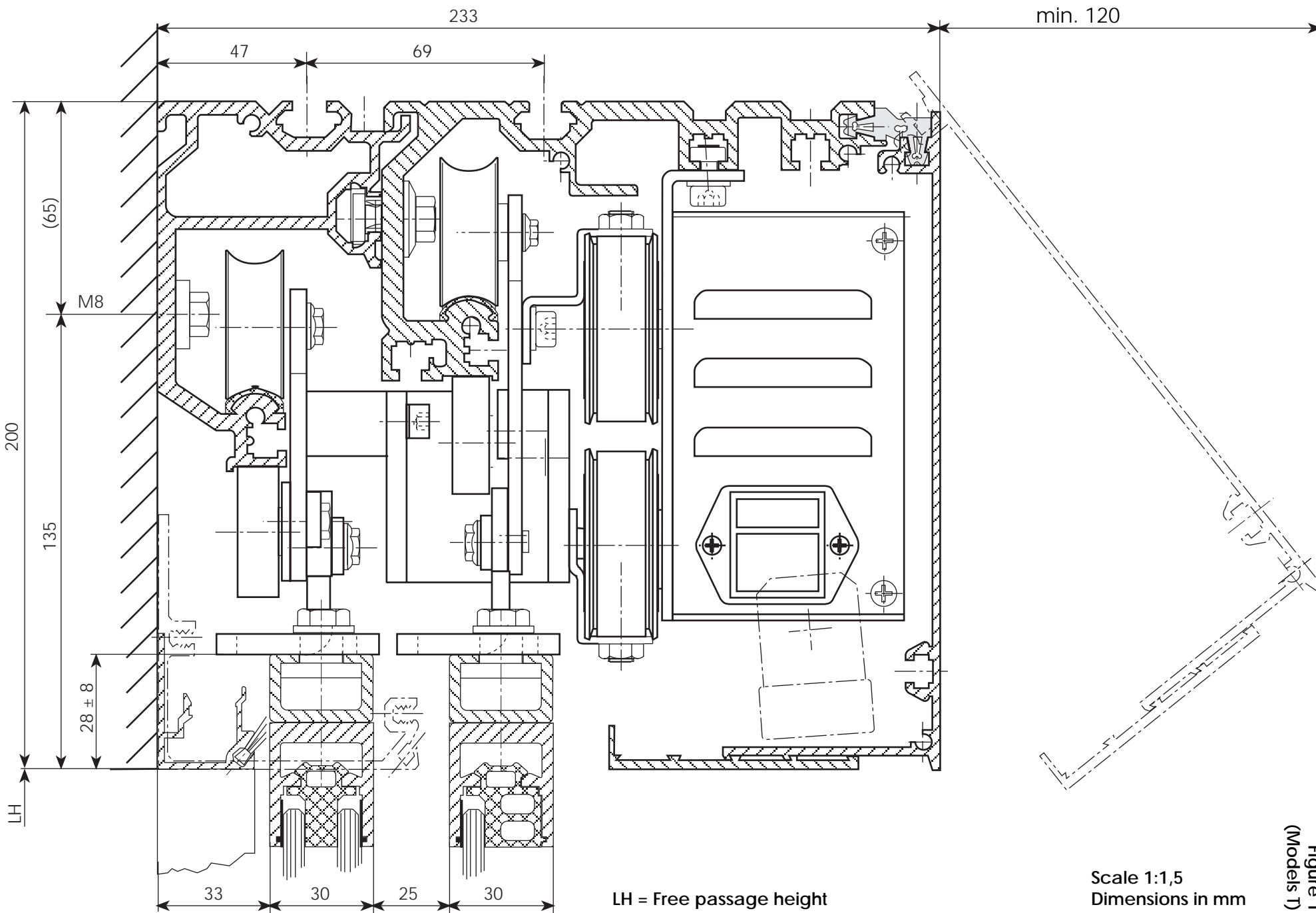
1. AUTOMATIC DOOR HEAD CONFIGURATION

The positions of the various components on the door head are indicated in the following drawings:

Drawing 1: 922 T/TA (left-hand opening)

Drawing 2: 922 T/TA (right-hand opening)

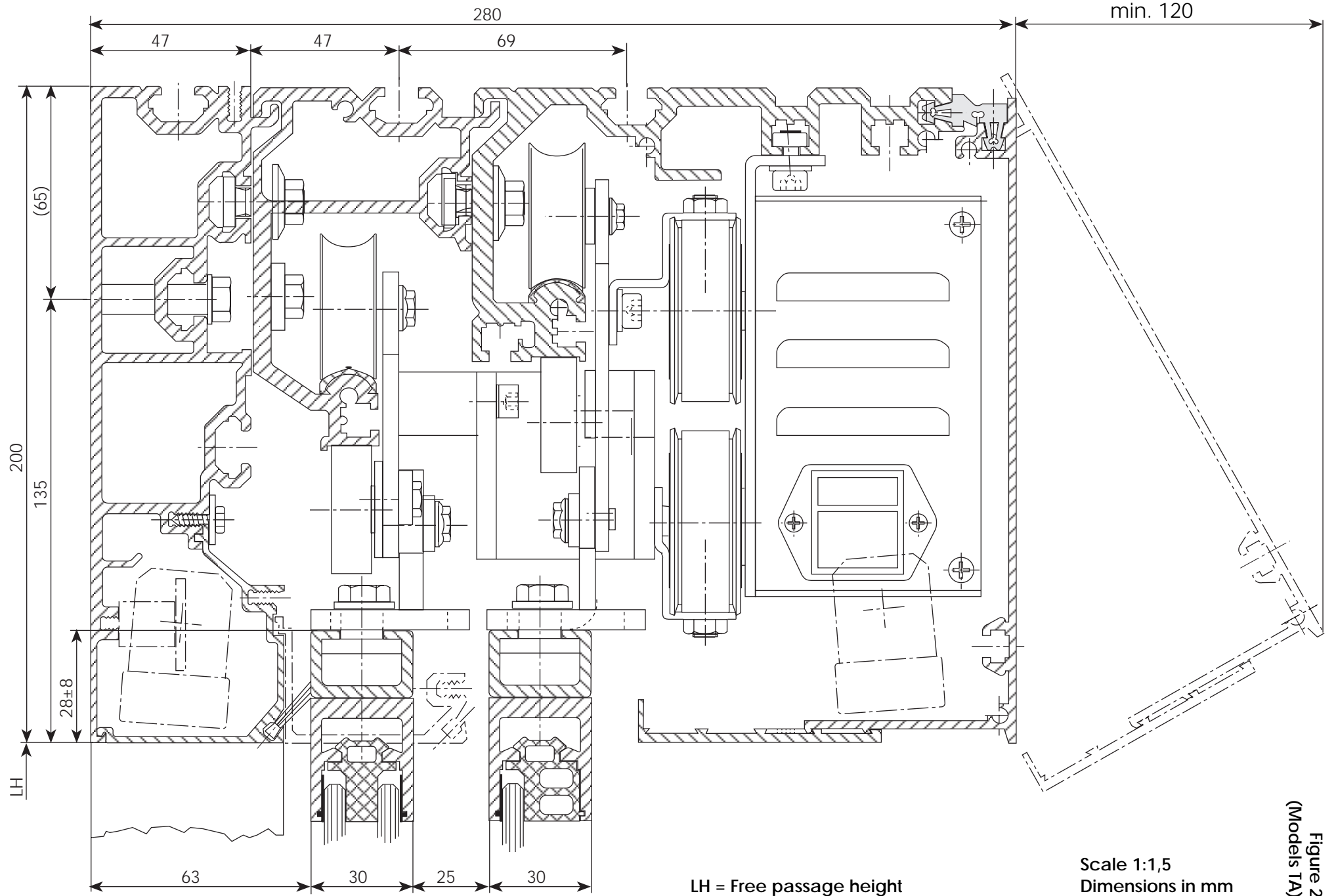
Drawing 3: 924 T/TA



LH = Free passage height

Scale 1:1,5
Dimensions in mm

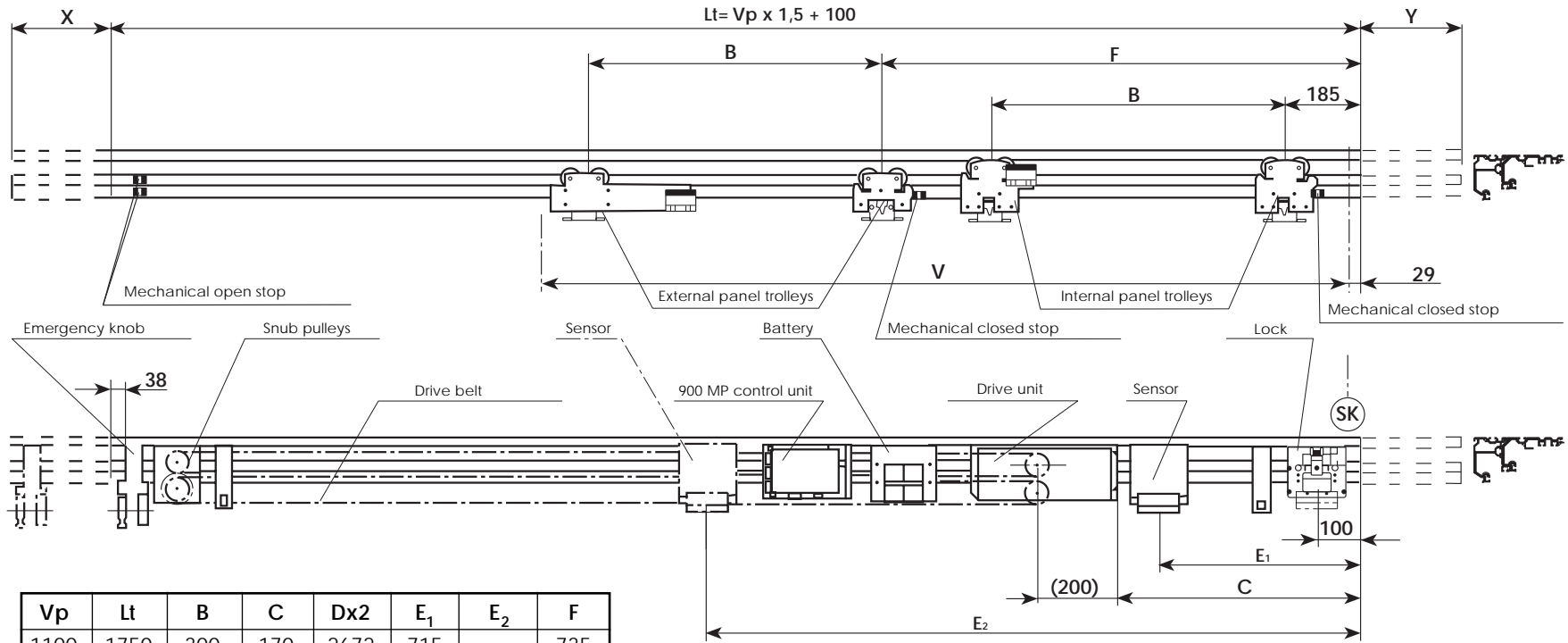
Figure 1
(Models T)



LH = Free passage height

Scale 1:1,5
Dimensions in mm

Figure 2
(Models 1A)



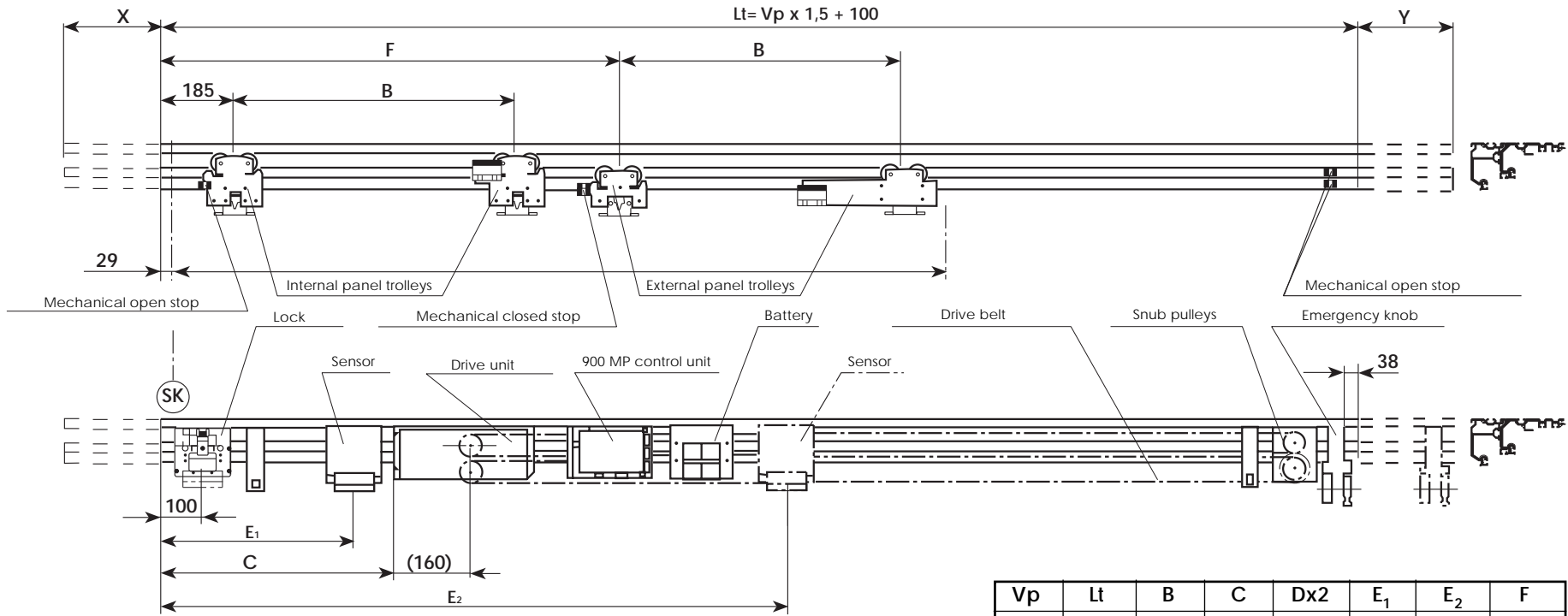
$$Lt = Vp \times 1,5 + 100$$

Vp	Lt	B	C	Dx2	E ₁	E ₂	F
1100	1750	300	170	2672	715		735
1200	1900	330	180	2872	765		785
1300	2050	380	230	3272	865		835
1400	2200	430	280	3272	865		885
1500	2350	480	330	3472	915		935
1600	2500	530	380	3672	965		985
1700	2650	580	430	3872	345	1470	1035
1800	2800	630	480	4072	395	1520	1085
1900	2950	680	530	4272	445	1570	1135
2000	3100	730	580	4472	495	1620	1185
2100	3250	780	630	4672	545	1670	1235
2200	3400	830	680	4872	595	1720	1285
2300	3550	880	730	5072	645	1870	1335
2400	3700	930	780	5272	695	1920	1385
2500	3850	980	830	5472	745	1870	1435
2600	4000	1030	880	5672	795	1920	1485
2700	4150	1080	930	5872	845	1970	1535
2800	4300	1130	980	6072	895	2020	1585
2900	4450	1180	1030	6272	945	2070	1635
3000	4600	1230	1080	6472	995	2120	1685

Dimensions in mm

Key

- Vp = Free passage width
- Lt = Length of door head
- B = Trolley fixing distance on sliding panel
- C = Drive unit positioning distance
- D = Length of drive belt
- E₁ = Sensor (Vp < 1700 mm) or first sensor (Vp > 1700 mm) positioning distance
- E₂ = Second sensor positioning distance (Vp > 1700 mm)
- F = First external panel trolley positioning distance



Drawing 2: 922 T/TA (right-hand opening)

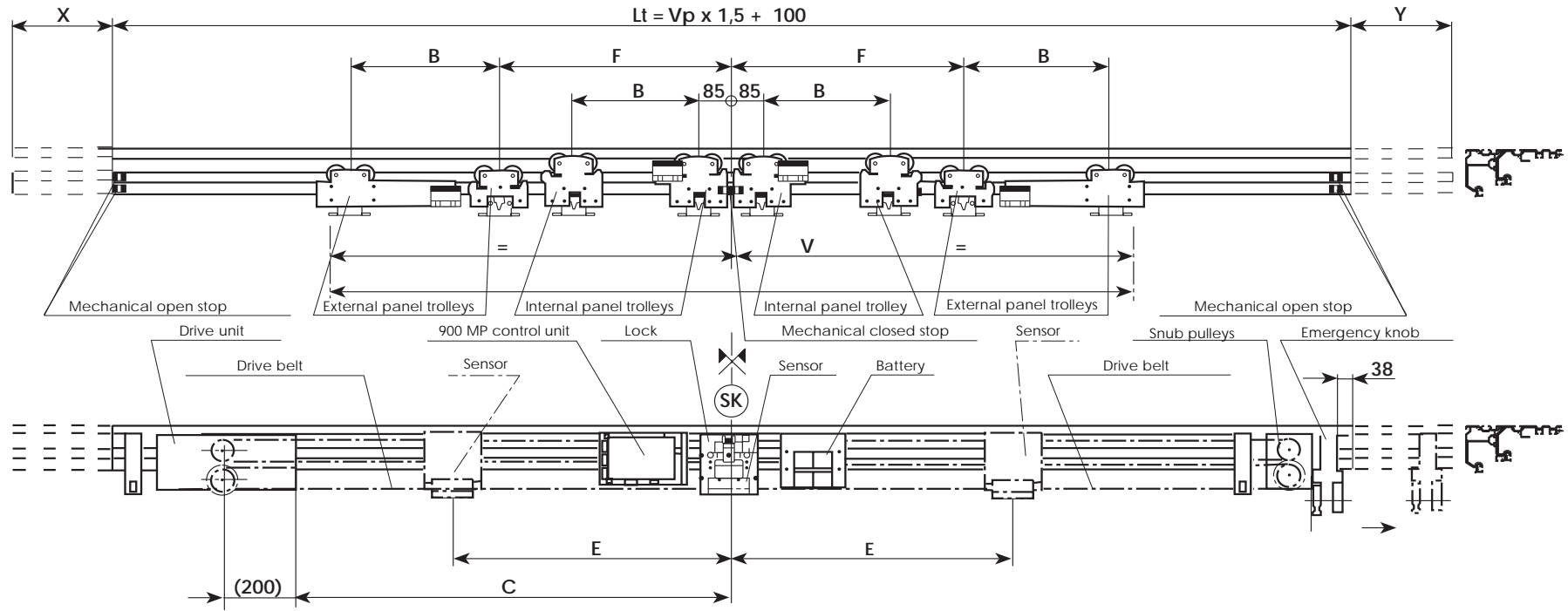


Key

- V_p = Free passage width
- L_t = Length of door head
- B = Trolley fixing distance on sliding panel
- C = Drive unit positioning distance
- D = Length of drive belt
- E_1 = Sensor ($V_p < 1700$ mm) or first sensor ($V_p > 1700$ mm) positioning distance
- E_2 = Second sensor positioning distance ($V_p > 1700$ mm)
- F = First external panel trolley positioning distance

V_p	L_t	B	C	D_{x2}	E_1	E_2	F
1100	1750	300	190	2672	715		735
1200	1900	330	220	2872	765		785
1300	2050	380	270	3272	865		835
1400	2200	430	320	3272	865		885
1500	2350	480	370	3472	915		935
1600	2500	530	420	3672	965		985
1700	2650	580	470	3872	345	1470	1035
1800	2800	630	520	4072	395	1520	1085
1900	2950	680	570	4272	445	1570	1135
2000	3100	730	620	4472	495	1620	1185
2100	3250	780	670	4672	545	1670	1235
2200	3400	830	720	4872	595	1720	1285
2300	3550	880	770	5072	645	1870	1335
2400	3700	930	820	5272	695	1920	1385
2500	3850	980	870	5472	745	1870	1435
2600	4000	1030	920	5672	795	1920	1485
2700	4150	1080	970	5872	845	1970	1535
2800	4300	1130	1020	6072	895	2020	1585
2900	4450	1180	1070	6272	945	2070	1635
3000	4600	1230	1120	6472	995	2120	1685

Dimensions in mm



Vp	Lt	B	C	Dx4	E	F
1400	2200	200	690	1856		435
1500	2350	225	740	1960		460
1600	2500	250	815	2104		485
1700	2650	275	890	2256	700	510
1800	2800	300	965	2408	700	535
1900	2950	325	1040	2560	700	560
2000	3100	350	1115	2704	700	585
2100	3250	375	1190	2856	700	610
2200	3400	400	1265	3008	700	635
2300	3550	425	1340	3160	700	660
2400	3700	450	1415	3304	700	685
2500	3850	475	1490	3456	700	710
2600	4000	500	1565	3608	1000	735
2700	4150	525	1640	3760	1000	760
2800	4300	550	1715	3904	1000	785
2900	4450	575	1790	4056	1000	810

Vp	Lt	B	C	Dx4	E	F
3000	4600	600	1865	4208	1000	835
3100	4750	625	1940	4360	1000	860
3200	4900	650	2015	4504	1000	885
3300	5050	675	2090	4656	1000	910
3400	5200	700	2165	4808	1000	935
3500	5350	725	2240	4960	1300	960
3600	5500	750	2315	5104	1300	985
3700	5650	775	2390	5256	1300	1010
3800	5800	800	2465	5408	1300	1035
3900	5950	825	2540	5560	1300	1060
4000	6100	850	2615	5704	1300	1085

Dimensions in mm

Key

- Vp = Free passage width
- Lt = Length of door head
- B = Trolley fixing distance on sliding panel
- C = Drive unit positioning distance
- D = Length of drive belt
- E = First and second sensor positioning distance (Vp>1700 mm)
- F = First external panel trolley positioning distance



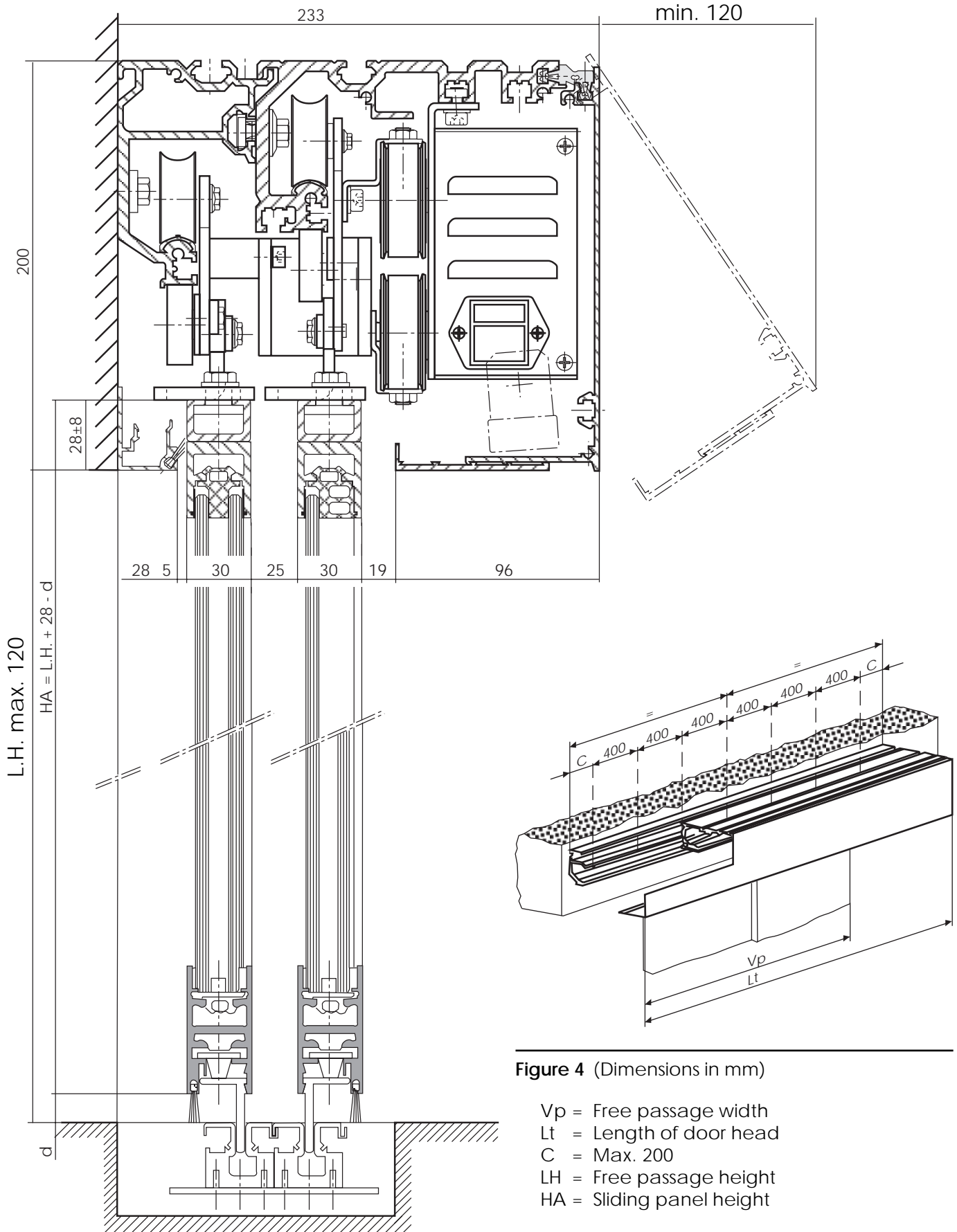


Figure 4 (Dimensions in mm)

- Vp = Free passage width
- Lt = Length of door head
- C = Max. 200
- LH = Free passage height
- HA = Sliding panel height

Figure 3 (Dimensions in mm)

2. INSTALLATION

2.1. MOUNTING AUTOMATION HEAD

2.1.1. FISSAGGIO A PARETE

Follow the instructions below according to the type of profile (see table 1) used for the door head.

Important:

The metal or masonry structure to which the head is to be fixed must be flat.

The automation door head must be fixed parallel to the sliding panel floor guide.

T PROFILE (fig.1)

- Determine the exact position of the head, referring to the dimensions given in fig. 3.
- Fix the head using M8 screws as shown in fig. 4.

TA PROFILE (fig.2)

- Determine the exact position of the head, referring to the dimensions given in fig. 5.
- Fix the head using M8 screws as shown in fig. 6.

2.1.2. SELF-SUPPORTING DOOR HEADS

Automatic door heads with the self-supporting profile A (see table 1) can be fixed at the two ends using the "lateral fixing bracket kit".

Important:

This type of installation may only be used for door heads up to a maximum length of **3500 mm**.

Longer heads must also be fixed in intermediate positions.

Note: If the "lateral fixing bracket kit" is not already assembled on the head, mount it on the profile as shown in fig. 7.

- Determine the exact position of the head, referring to the dimensions given in fig. 5.
- Drill holes for the four M10 fixing screws provided (1, fig. 8). Use suitable packing for the spaces E if necessary (fig. 8).
- Check that the two lateral fixing brackets are correctly assembled on the profile with screws as in 1, fig. 7, then fix the head laterally using the screws provided (fig. 8).

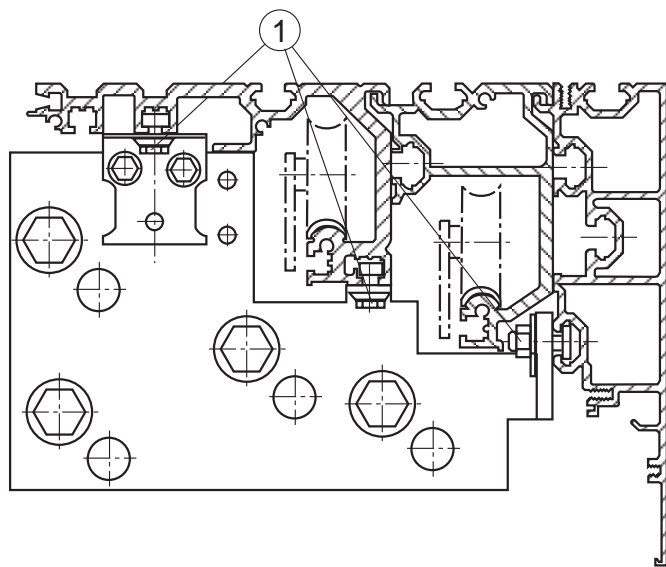


Figure 7

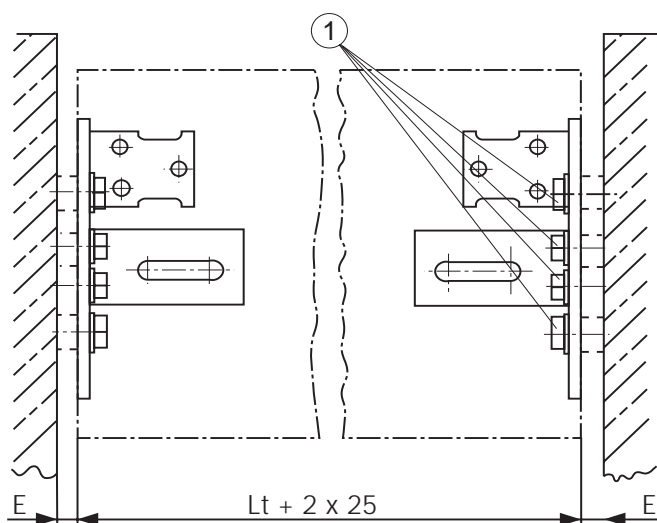


Figure 8

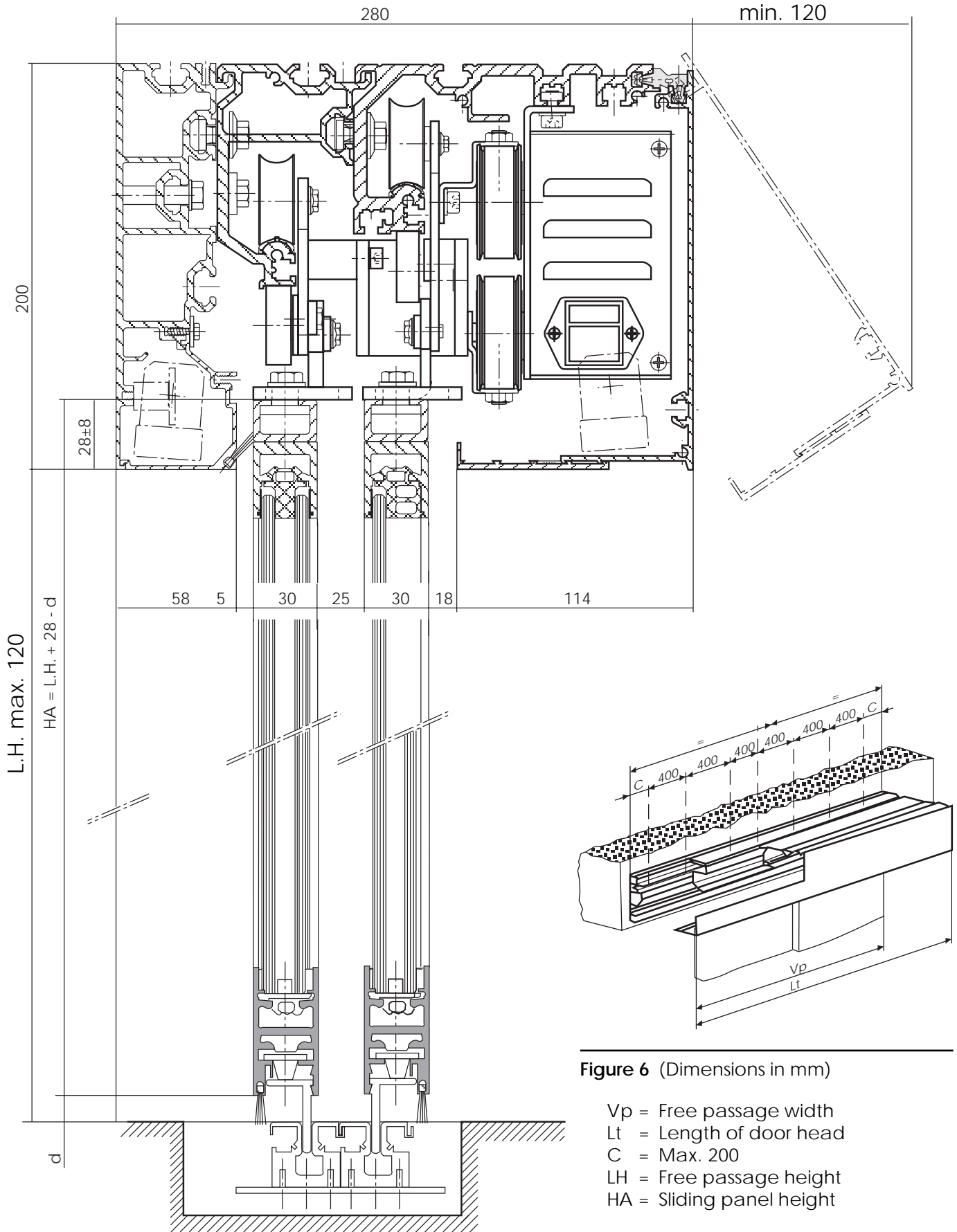
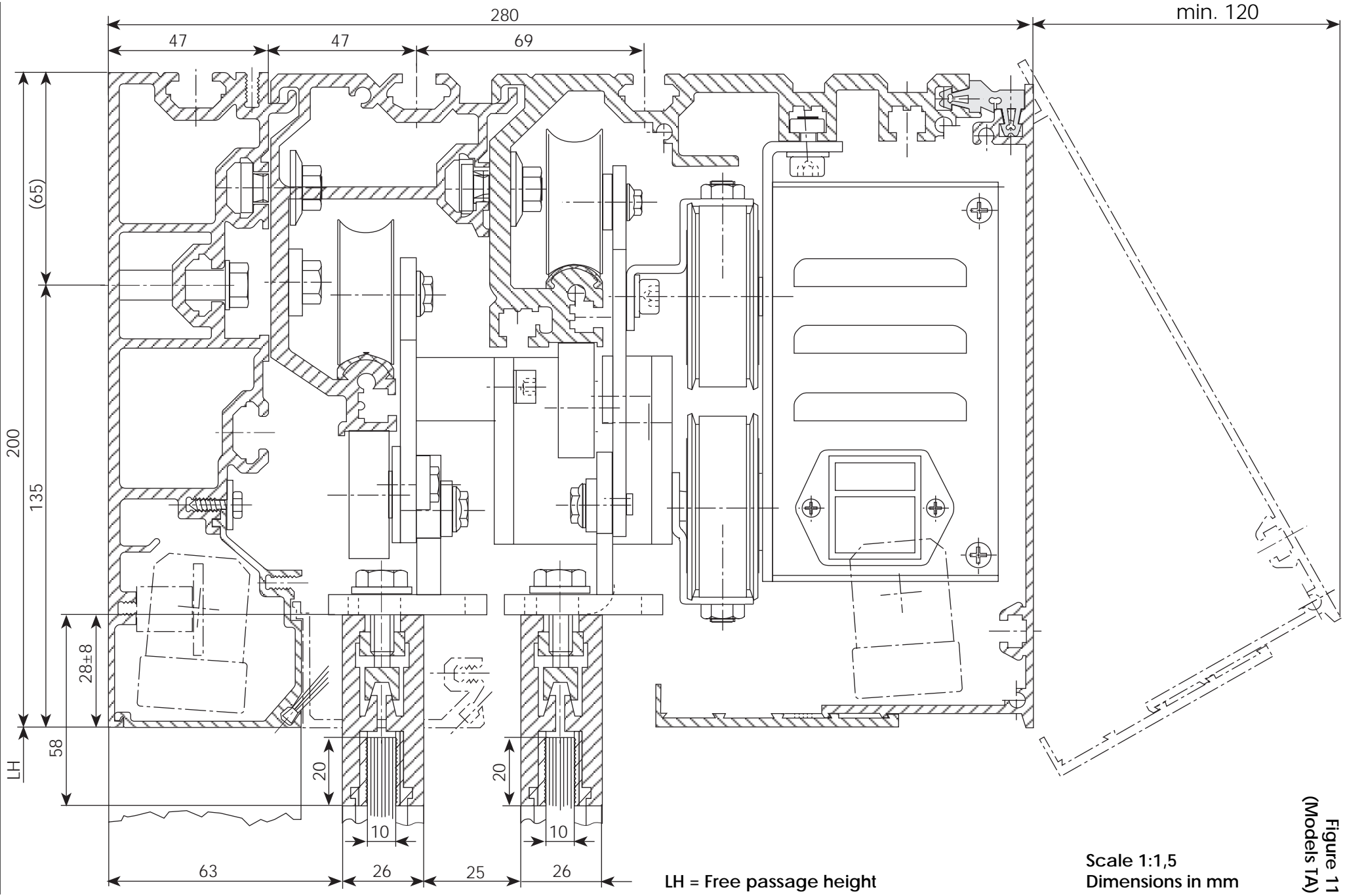


Figure 6 (Dimensions in mm)

- Vp = Free passage width
- Lt = Length of door head
- C = Max. 200
- LH = Free passage height
- HA = Sliding panel height

Figure 5 (Dimensions in mm)



LH = Free passage height

Scale 1:1,5
Dimensions in mm

Figure 11
(Models TA)

3. ACCESSORIES AVAILABLE

A guide system (fig. 9) consisting of the following parts is available to enable sliding of the internal telescopic panel:

- floor guide for telescopic panels (1)
- floor guide profile (2)
- floor guide brushes (3).

The floor guide is fixed to the external sliding panel using the two M6 screws provided.

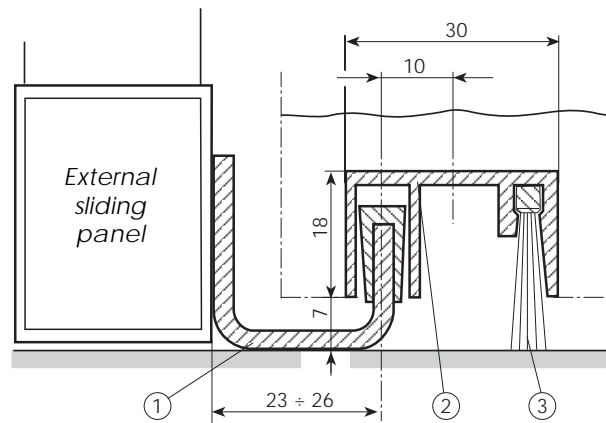


Figure 9 (Dimensions in mm)

4. SPECIAL APPLICATIONS

4.1. GLASS PANELS (thickness 10 mm)

If the sliding door panels are to be made entirely of glass, the special fixing brackets and floor guides described in the "900 SERIES" instructions must be used.

IMPORTANT:

The above-mentioned accessories may be used only for glass panels of **10 mm** thickness.

To calculate the height of the glass panel, refer to figs. 9/10.

Considering the thickness of the floor guide, the panel height HA is:

$$HA = LH - 14 \text{ (mm)}$$

where LH is the free passage height.

NOTE: These instructions are to be considered complementary to the "900 SERIES" manual. Refer to this manual for the following installation stages, the electrical connections and programming.