

PREMIUM MARINE

Automatic horizontal sliding landing door



COMMERCIAL
MARINE LIFTS



Door configuration

LIFT APPLICATION



Door cycles per year:	Up to 2.500.000.
Maximum cycle rate of the door:	Up to 360 cycles per hour.
Maximum lift speed:	Up to 6 m/s.

APPLICATION RANGE

Opening	Clear opening - PL (mm)	Clear height - HL (mm)
C2	800 - 1.400	2.000 - 2.100
C4	900 - 1.400	
T2	700 - 1.300	

PANELS

Opening	Steel panels					Glass panels			
	Sheet metal ⁽²⁾	Double skin	Vision	Fritted vision	Wien type vision	Bevel big vision	Flush big vision	Full glass in skirting	Full glass in moorings
C2 - C4 - T2	NO F.R. F.R. A0 F.R. A60	x	x	x	x	x	NO F.R.	NO F.R.	x

² Solid execution option.
F.R.: Fire rated according to EN 81-58.

Anti-trapping safety device option

C2 - C4 - C6 T1 - T2 - T3	x	x	x	x	x	x	x	x	x
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FRAME DEFINITION

Frame depth - FD (mm)	Jamb J1 (mm)	Header - HD (mm)	Jamb J2 (mm)	Remarks	Frame type					Options			
					MSS MV Marine	STD	MSS MV	MSS MH	Concealed	Lateral covers	Without extra-stroke	MRL	Without lateral punching
60	120	210	120	-	✓	x	x	x	x	x	x	x	x

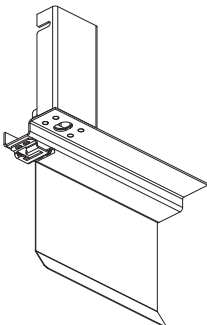
MSS MV: Frame without sill supplement with visible sill support.
MSS MH: Frame without sill supplement with concealed sill support.
Without extra-stroke: Closing jamb without labyrinth.
MRL: Jamb ready for lift control cabinet in machine roomless installations.

☒ Available⁽¹⁾. ☐ Not available. Ask the commercial department.

⁽¹⁾Some option combinations may not be possible.

Door configuration

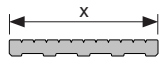
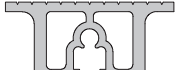
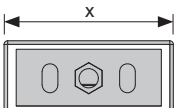
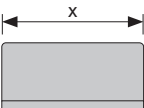
FRAME DETAIL

Frame type	MSS MV Marine	STD	MSS MV	MSS MH	Concealed
Frame detail		-	-	-	-

SILLS

Type of sill	Aluminium	Reinforced aluminium	Steel	Steel concealed	Massive
Profile detail					
Availability	✓	✓	✓	✗	✗
Heated sill option	✗	✗	✗	✗	✗
Debris holes	✓	✗	✓	✗	✗

SILL SUPPLEMENTS

Type of supplement	Aluminium	Reinforced aluminium	Steel	Massive
Profile detail	 X = 60.		 X = 60, 50, 25.	 X = 60.
Availability	✓	✓	✓	✗

STANDARDS

Opening	EN 81-20/50 Safety rules	EN 81-1/2 Safety rules	EN 81-21 Existing buildings	EN 81-41 Impaired mobility	EN 81-71 Vandal resistant lifts		EN 81-72 Firefighting lifts
					Cat. I	Cat. II	
C2 - C4 - T2	✗	✓	✗	✗	✗	✗	✗

☒ Available⁽¹⁾
☐ Not available.
 ☐ Ask the commercial department.

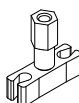
⁽¹⁾Some option combinations may not be possible.

Door configuration

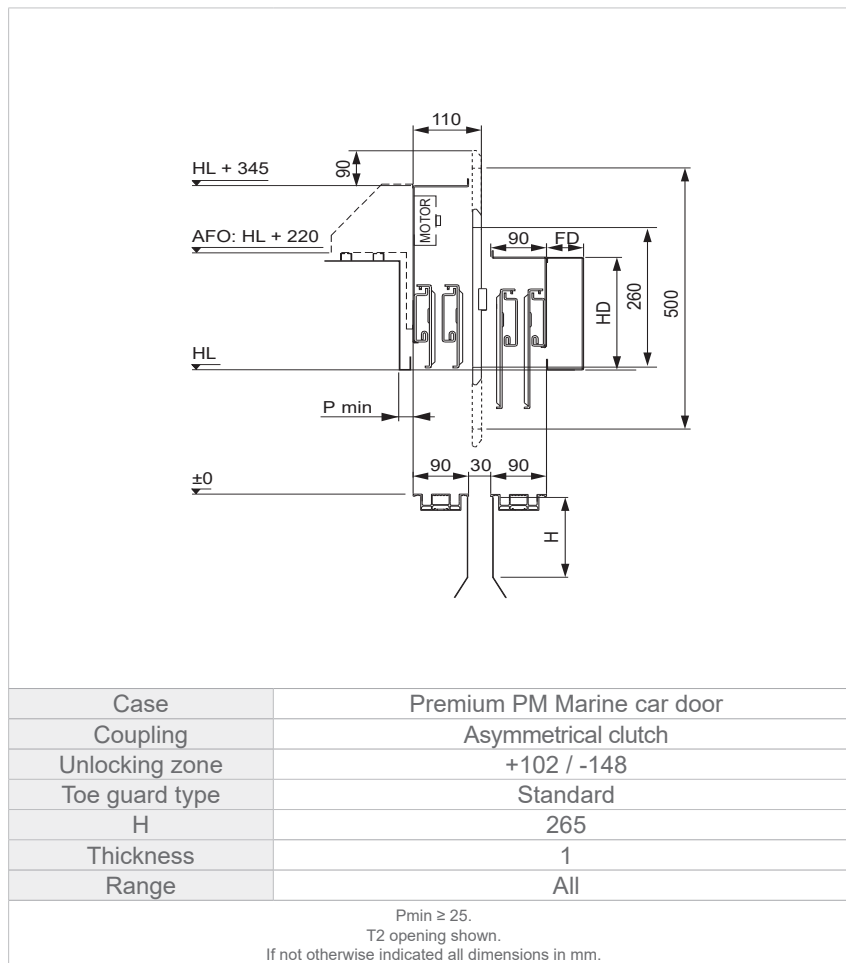
PROTECTION

Opening	IP20 Protection against a solid foreign body of 12,5 mm or more in diameter.	IPX3 Protected against sprays of water up to 60 degrees from the vertical.	IP54 Protection against debris and protected against water splashed from all directions.		IP65 Sealed against debris and protected against jets of water from all directions.	EEx Explosion proof, Group II (surface industries) and Category 2 (explosive atmosphere between 10 and 1.000 hrs/yr).
			Magnetic contact	Mechanical contact		
C2 - C4 - T2	✓	✗	✓	✗	✗	✗

PANEL REGULATION SUPPORT AND PANEL GUIDE

Type of panel regulation support	Plus	
Type of panel guide	Plus	

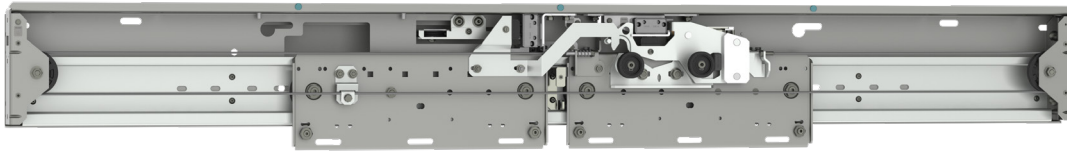
COMPATIBILITY



☒ Available⁽¹⁾
☐ Not available.
 ☐ Ask the commercial department.

⁽¹⁾Some option combinations may not be possible.

Technical features



C2 mechanism

GENERAL FEATURES

Noise level	< 48 dB.
Total weight	Reference: T2 PL 800 mm HL 2.000 mm 120 x 60 mm frame, with sheet metal panels - 84 kg.
Safety closing system	With counterweight or spirator

INSTALLATION

Pre-adjusted and tested to simplify the installation.

DOOR HOISTWAY PROJECTION (DHP) - FIXING BRACKETS

DHP type	C2			C4			T2		
	DHP* (mm)	Bracket		DHP* (mm)	Bracket		DHP* (mm)	Bracket	
		U	L		U	L		U	L
1	52 - 68	V8		74 - 150	V8 + RK		0 - 150	V8 + RK	
2	69 - 122	V8 + RK		151 - 184	V2 + RK		151 - 184	V2 + RK	
3	123 - 165	V2 + RK		-	-		-	-	

DOOR HOISTWAY PROJECTION (DHP) - FIXING LOWER CONSOLE

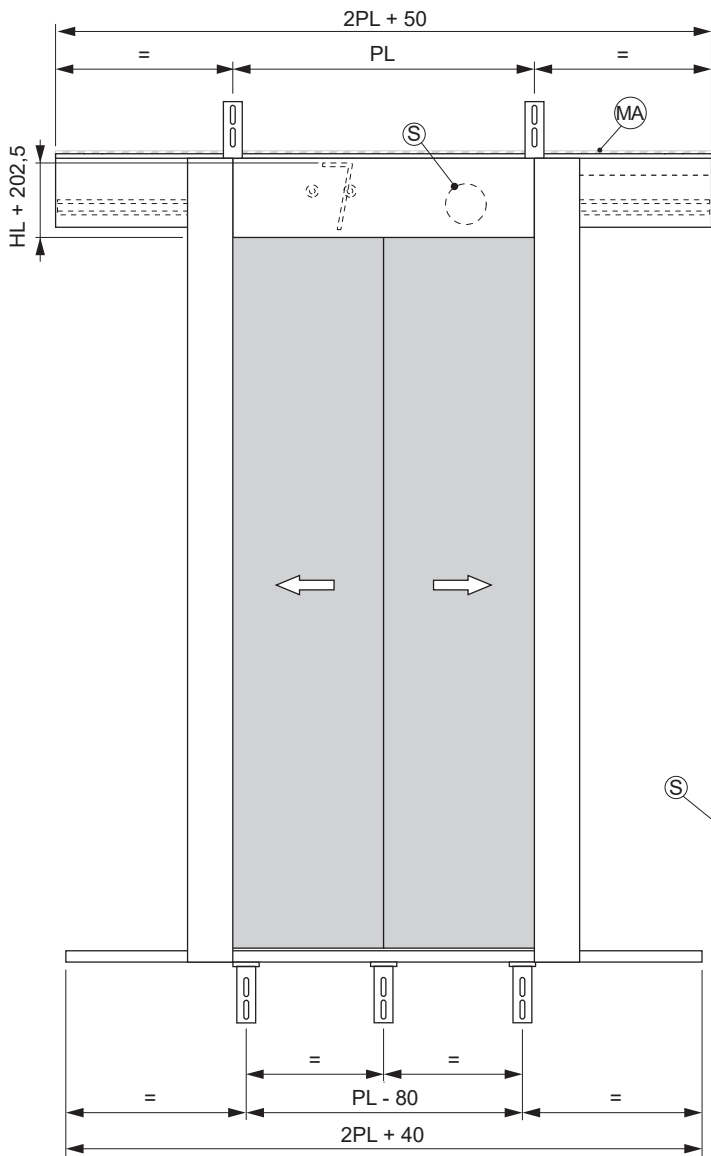
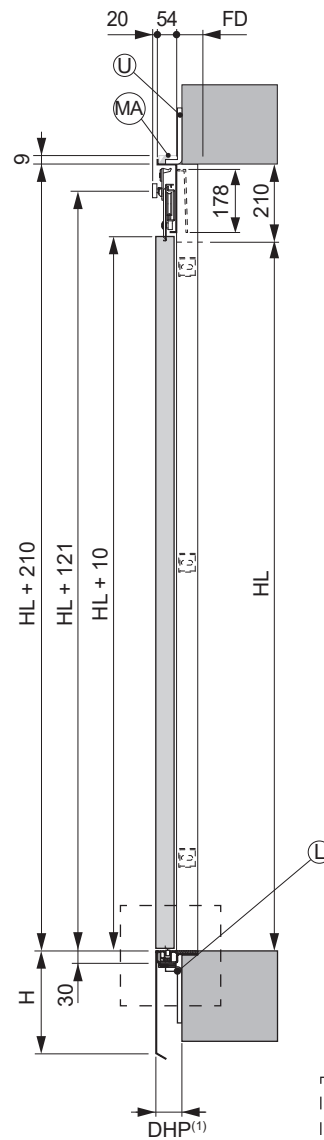
DHP type	C2		C4		T2	
	DHP* (mm)	Bracket	DHP* (mm)	Bracket	DHP* (mm)	Bracket
		Ⓚ		Ⓚ		Ⓚ
1	55 - 75	V8	54 - 95	V8	54 - 95	V8
2a	81-107	V8 + RK	96 - 140	RK + V8	96 - 140	RK + V8
2b	113 - 137	V8	141 - 171	RK + V2	141 - 171	RK + V2
3	133 - 217	RK + V2	172 - 200	RK + V2	172 - 200	RK + V2

Bracket type	RK	V2	V8
Thickness (mm)	5	4	4

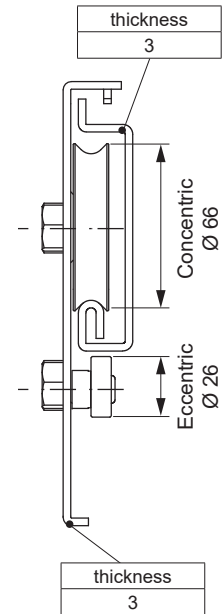
*See DHP dimension in sill detail (technical drawings pages).

Technical drawing 2 panel centre parting door

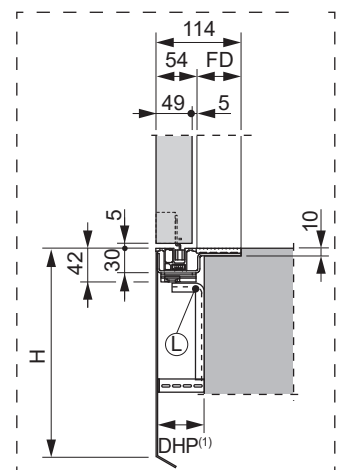
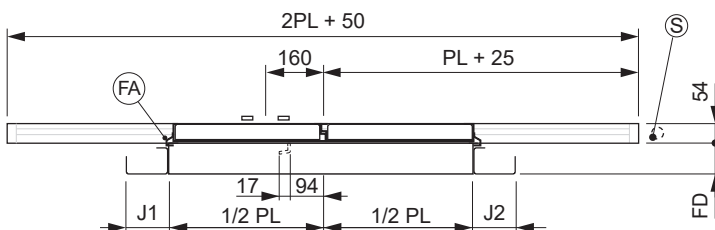
54 mm sill



MECHANICAL DETAILS



SILL DETAIL



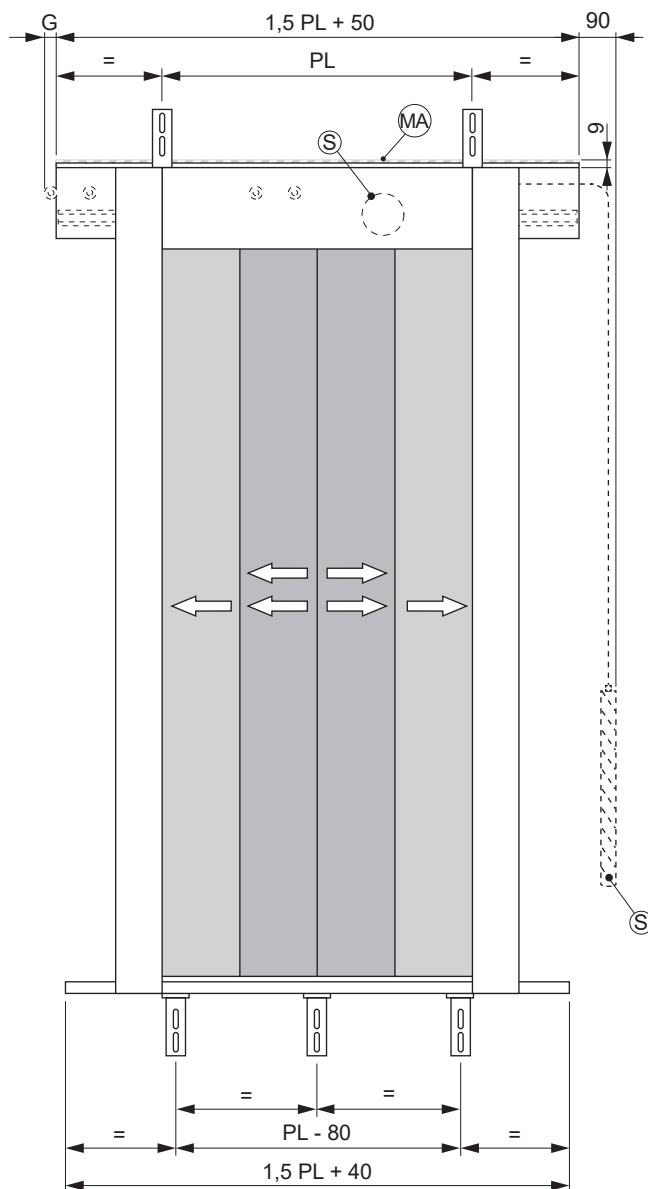
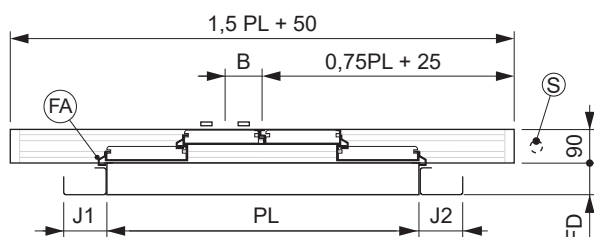
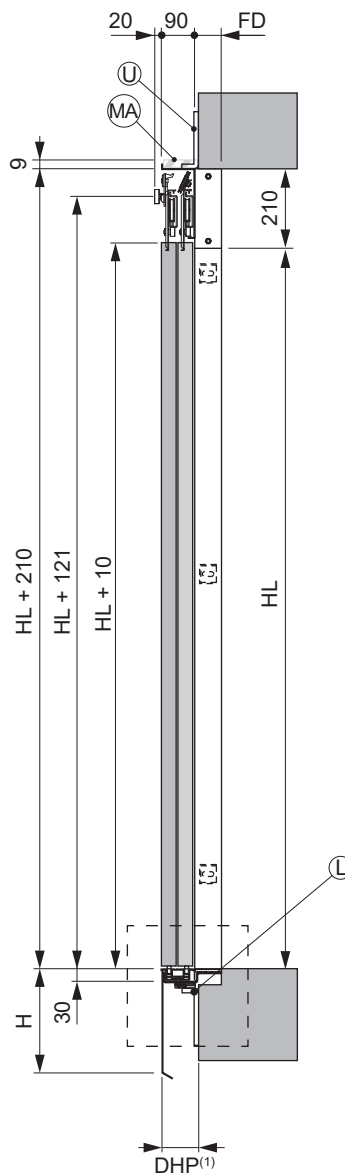
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spirator

Notes:

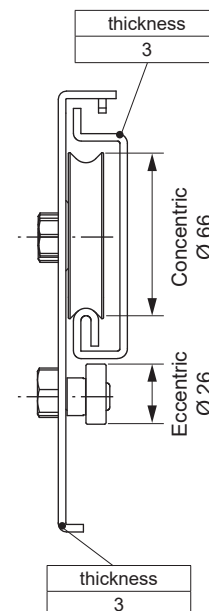
- See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/2 PL + 39$.

Technical drawing 4 panel centre parting door

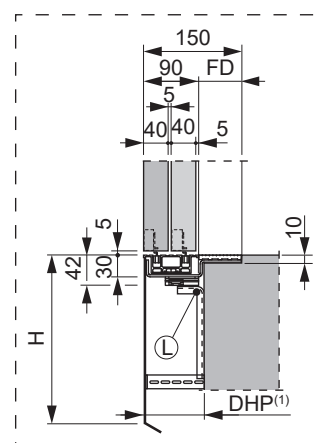
90 mm sill
Single coupling system (PL 900 - 1.150)



MECHANICAL DETAILS



SILL DETAIL



PL	900	950	1000	1050	1100	1150
G	12,5	57	45	32	20	7
B	100	160				

In open position

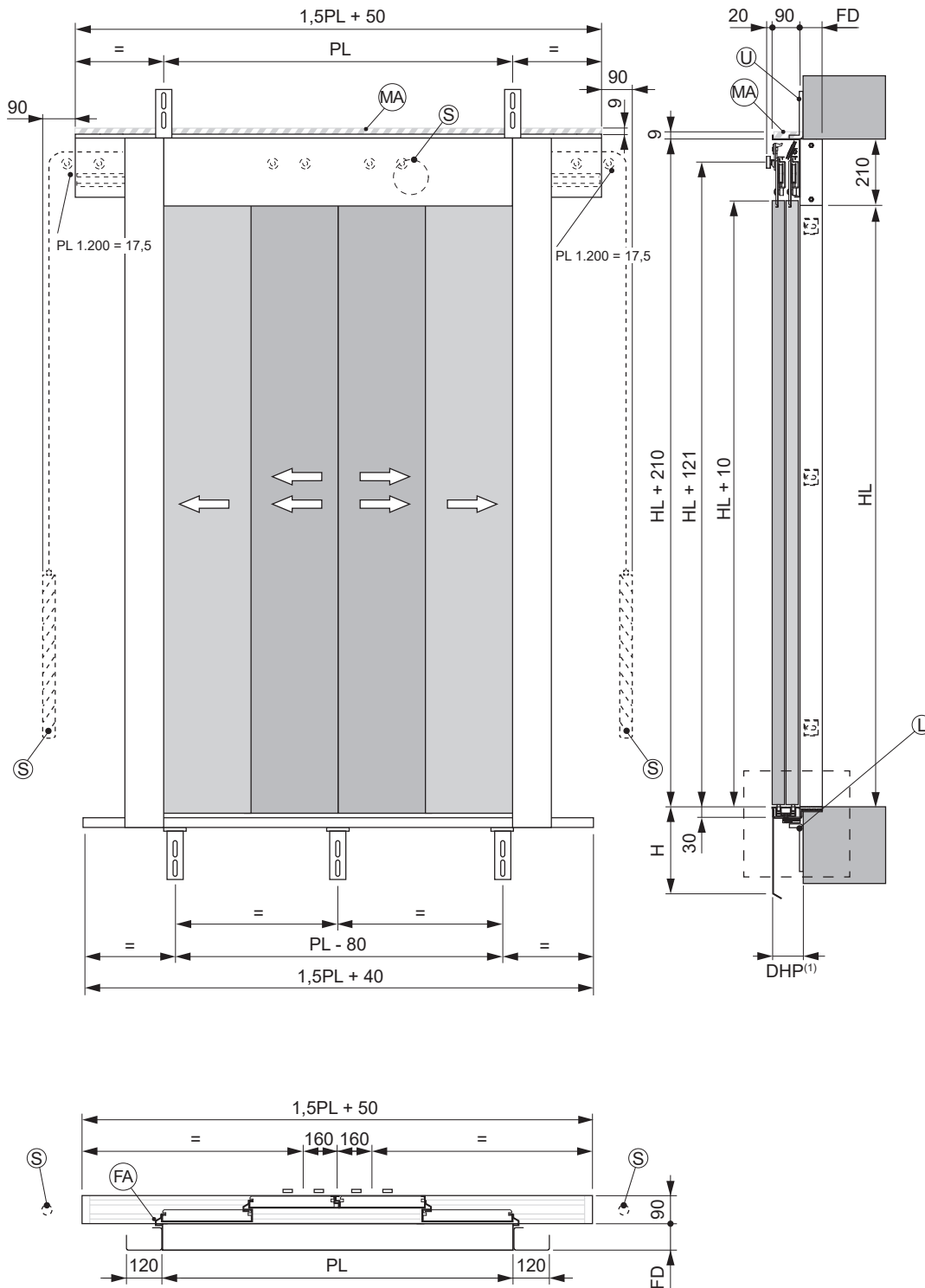
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spirator

Notes:

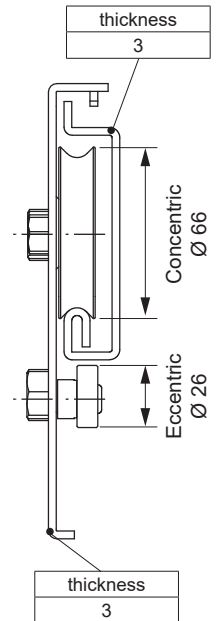
- 1 See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is 1/4 PL + 39.

Technical drawing 4 panel centre parting door

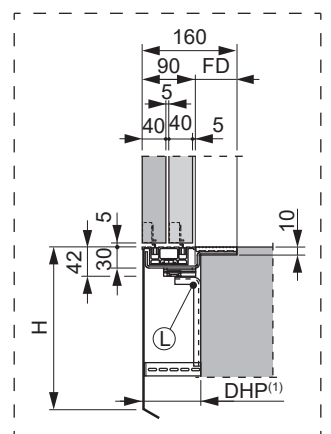
90 mm sill
Double coupling system (PL 1.200 - 1.400)



MECHANICAL DETAILS



SILL DETAIL



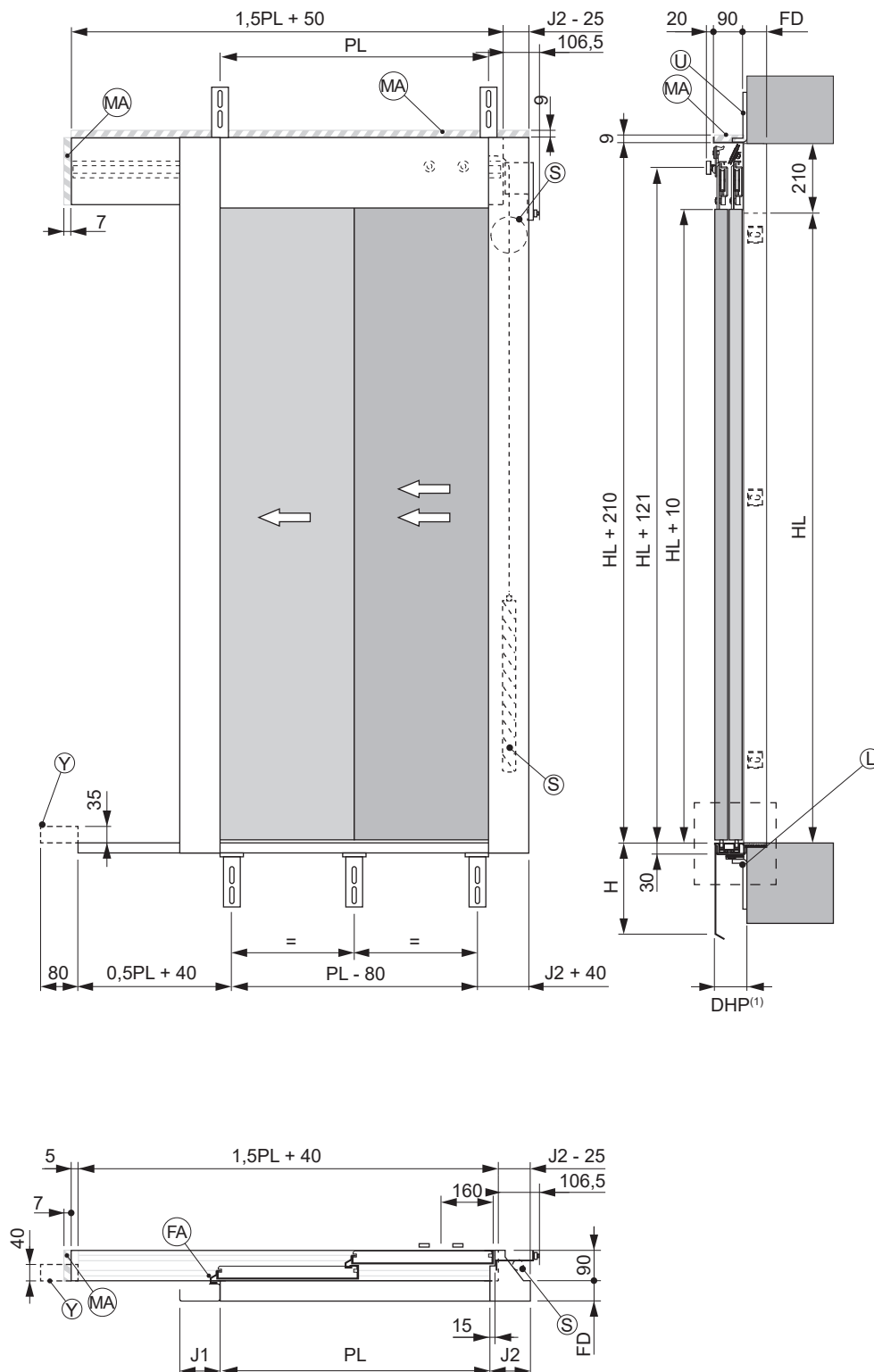
DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spirator

Notes:

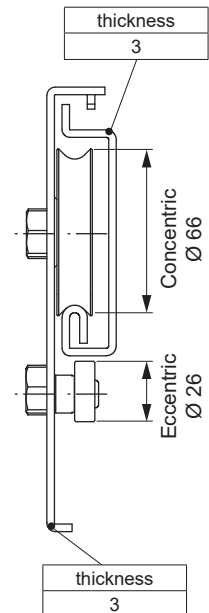
- See DHP details in technical features page.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $1/4 PL + 39$.

Technical drawing 2 panel side opening door

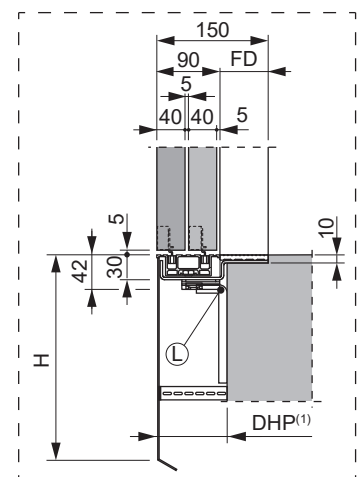
90 mm sill



MECHANICAL DETAILS



SILL DETAIL

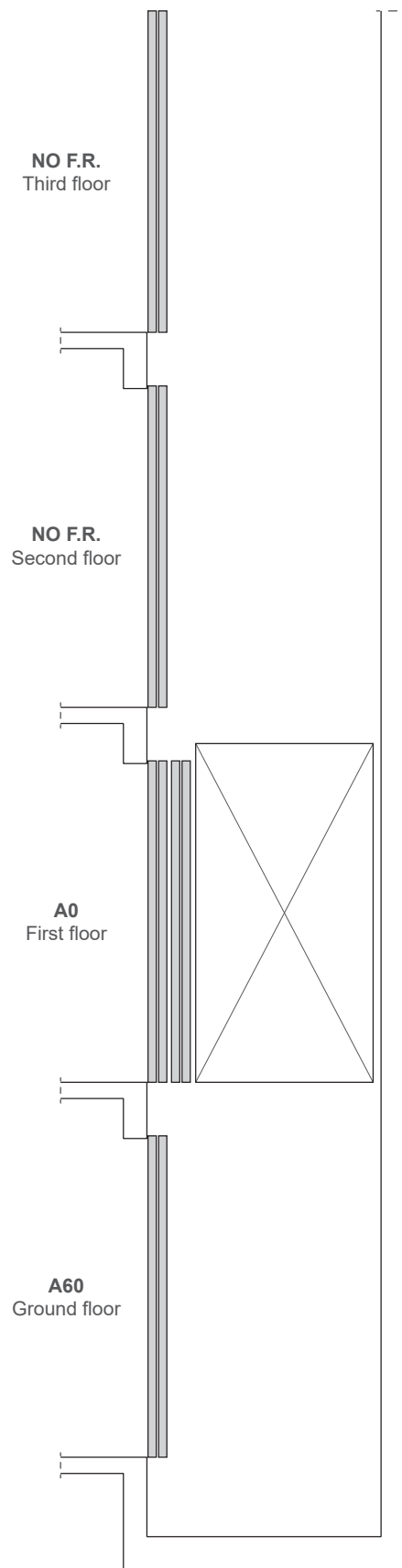


DHP	
U	Upper bracket
L	Lower bracket
Safety closing system	
S	Counterweight Spirator

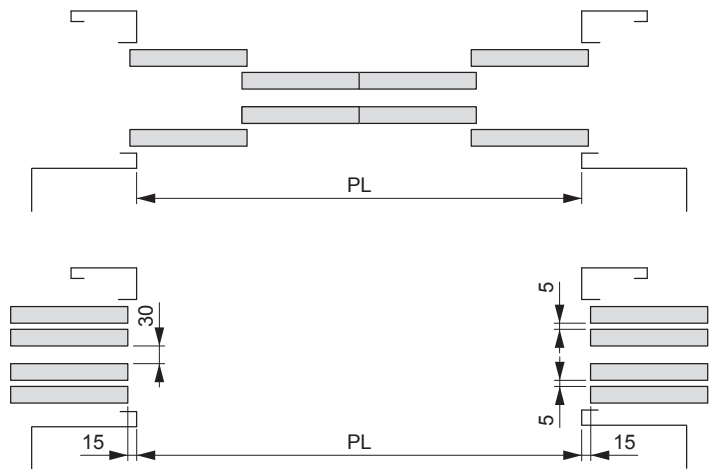
Notes:

- See DHP details in technical features page.
- With optional steel concealed sill, this extra space is required.
- If not otherwise indicated all dimensions in mm.
- MA Mechanism hardware area.
- FA If fire angle exists, it protrudes 19 mm from the panel so the total width of the panel is $\frac{1}{2} PL + 39$.

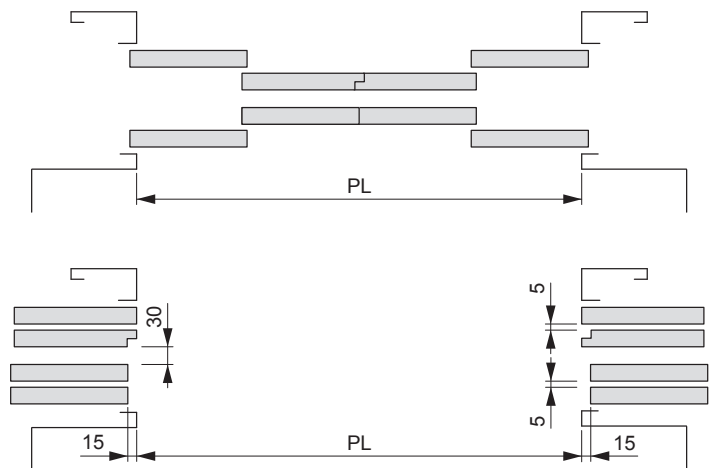
Installation cases



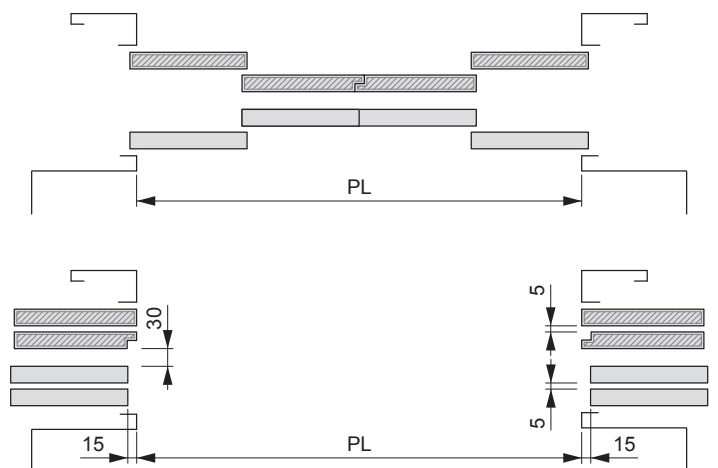
NO F.R.



A0



A60



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AUTOMATIC DOORS FOR LIFTS



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