

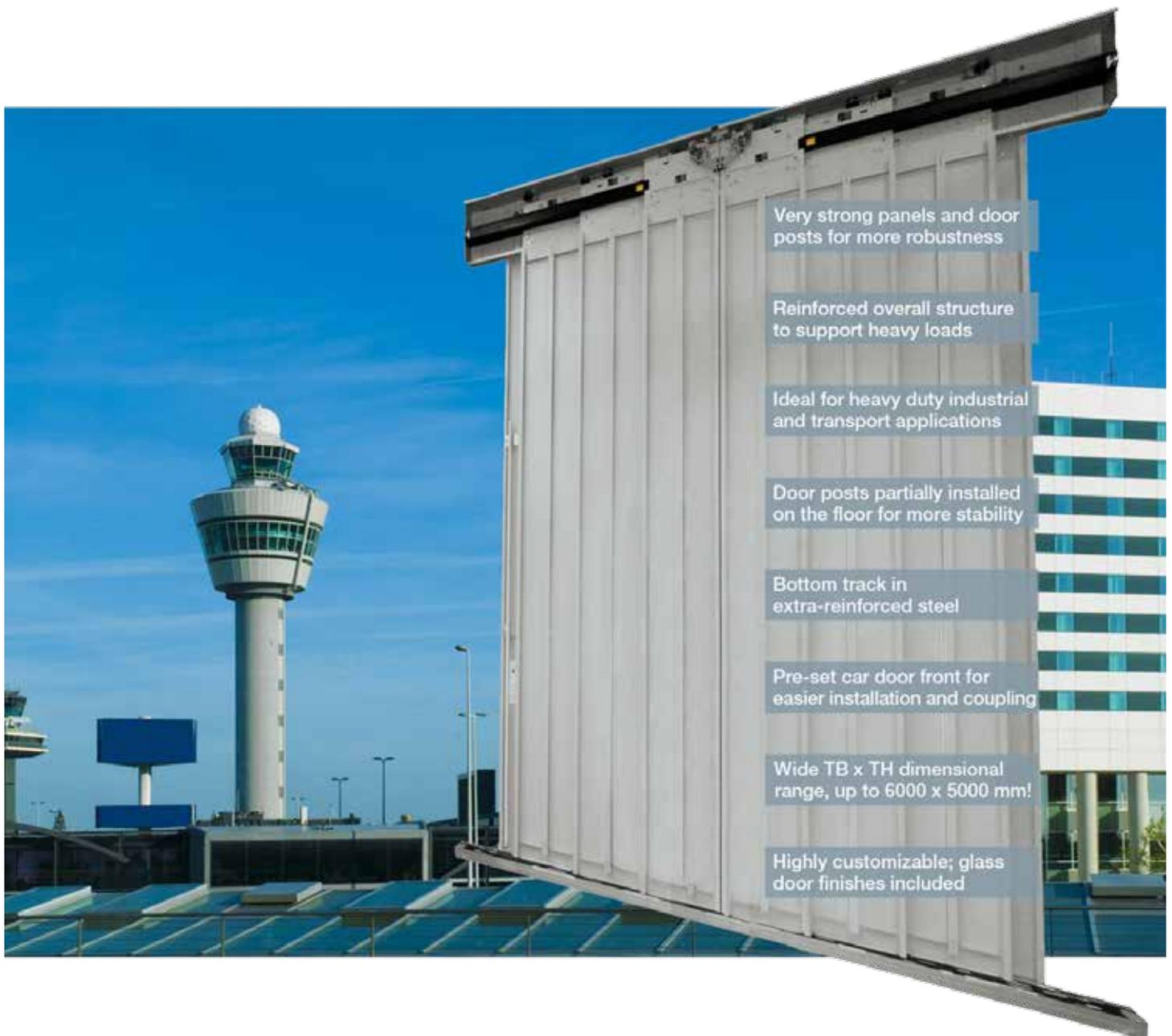
2000 HD

DOORS FOR HEAVY DUTY APPLICATIONS



safety **in** motion™

APPLICATIONS		DESTINATIONS					
		PASSENGERS		GOODS		SPECIAL USES	
		DOORS	CARS	DOORS	CARS	DOORS	CARS
HOMELIFT			ADAPTA VARIO				
RESIDENTIAL			ADAPTA		CARGO		CUSTOM
OFFICES			ADAPTA		CARGO		CUSTOM PANOR./ CUSTOM
HIGH RISE			VARIO		CARGO	2000 HD	CARGO
HOSPITALS			VARIO		ADAPTA		ADAPTA
TRANSPORT			ADAPTA	2000 HD	CARGO		CUSTOM
MODERNIZATION			EASY ADAPTA		CARGO	2000 HD	CARGO
HOTELS			VARIO		ADAPTA		PANORAMIC CUSTOM
SHOPPING CENTERS			ADAPTA		ADAPTA	2000 HD	CARGO PANOR./ CUSTOM
INDUSTRIAL					CARGO	2000 HD	CUSTOM CARGO



Increasing resistance and durability for heavy-load, large-size applications

2000 HD is Sematic's product line dedicated to extreme applications. These doors feature very strong and reinforced panels and door posts as well as bottom track in extra-reinforced steel; its structure has been designed to support heavy loads, well fitting in contexts such as industrial, transportation and other special applications.

Door posts are partially installed on the floor to give more stability. 2000 HD is supplied together with pre-set car

door front, in order to better couple with the landing door, resulting in a robust structure in which installation settings are reduced.

A wide range of optional extras and certifications is available, from the EEx II G – Atex option, to glass door finishes and highly customizable solutions, such as, for example, the possibility of reaching 6000 x 5000 mm openings.

PRODUCT RANGE

Model	TB min-max (mm)	TH min-max (mm)
K-S 2R/L	Custom	Custom
K-S 3R/L	1800 - 3500	2000 - 4000
K-S 2Z	Custom	Custom
K-S 4Z	1800 - 4500	2000 - 4500
K-S 6Z	3000 - 4500	2000 - 4500

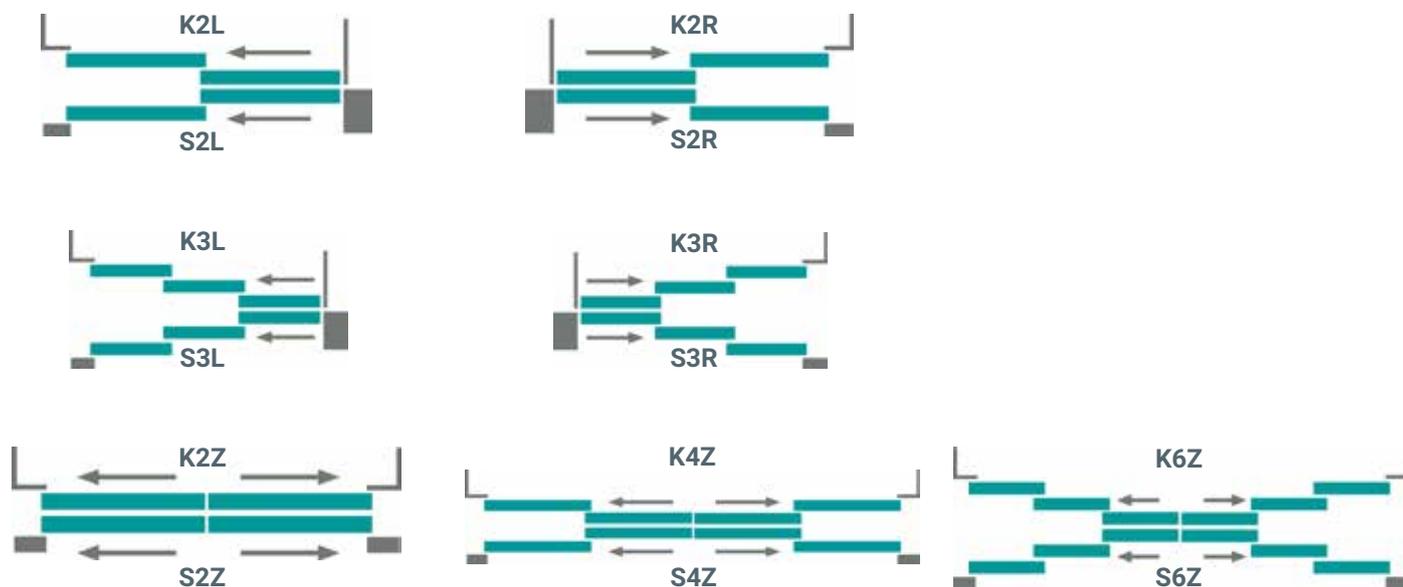
BOTTOM TRACK PACK OVERALL DIMENSION (mm)

Opening	K (car)	S (landing)	Pack ⁽¹⁾
2R/L	Custom	Custom	Custom
3R/L	270	315	610
2Z	Custom	Custom	Custom
4Z	210	255	490
6Z	270	315	610

For further information see our technical catalogues

⁽²⁾ 25mm sill distance

DOOR OPENING TYPE



FIRE RATED EXECUTIONS - EN 81-58

Model	Steel doors	Framed glass doors
S 3R/L	E 120	E 120
S 4Z	EW 60 EI 60	
S 6Z	EI 120	

Valid for openings 3000 x 3000mm maximum. For further information contact our sales office.

CABIN SUGGESTED FOR THIS DOOR

> CARGO

STANDARD MOTORIZATION

Car door operator with 230 Vac Brushless Motor with optical Encoder controlled by an electronic card with microprocessor (SDS® - AC-VVVF HV-MV Technology).

- Power supply voltage: 230/400 Vac single or three phase
- Installed power: 1000 VA in case of 5A motor and 1200 VA in case of 8A motor
- Operating temperature range: from -10°C to +40°C
- Operating humidity range: from up to 80% non-condensing
- Self learning cycle at the first installation in order to acknowledge the door dimension and form the opening and closing curve
- Opening and closing speeds separately adjustable and the system is equipped with an integrated adjustable device for reopening doors after detecting the presence of an obstacle

DOOR AND FRAME FINISHES

STANDARD

OPTIONS

RAL 7032	✓	✗
Other RAL Colours	✗	✓
Framed glass panels	✗	Custom execution
Stainless steel claddings	✗	✓
Skin plate claddings	✗	✓

BOTTOM TRACK

STANDARD

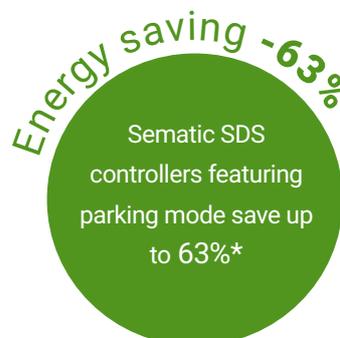
OPTIONS

Extra-Reinforced steel	✓	✗
Stainless steel	✗	AISI 304 / AISI 316

SEMATIC FOR ENERGY SAVING

At Sematic, we take our energy use seriously. We have developed a set of technological devices that allow our elevator components to use as little energy as possible, such as our **Sematic SDS door controller**.

* Door power consumption difference between normal standby mode and parking mode measured in laboratory



EN81

6Z execution shown
in the picture

MAIN FEATURES	STANDARD	OPTIONS
Certified locking device	✓ EN81-1/2 ✓ EN81-20/50	✗
Position of the lock release	Integrated into the header	In the panel or in the frame
Door closing	Spirator	Counterweight
Door panels	Single skin	Double skin
Header height	280 mm	✗
Frame	Boxed 120x90mm door posts	Reduced door posts (min.80x90 mm) Increase door posts (> 120 mm)
Installation	Door posts partially on the floor	✗
Kit man in the pit	In case of EN81-20/50	In case of EN81-1/2
Monostable contact	✗	✓
Impact robust packaging	Cardboard box Wood (ISPM15)	✗

SPECIAL EXECUTION	OPTIONS
Portal execution	✓
Portal execution with glass	✓
Smoke-seal/Air-seal execution	✓
Anti-vandal execution	EN81-71
Hidden bottom track	✓ (no 3 R/L and 6Z)
Australia execution	✓
Marine execution	✓

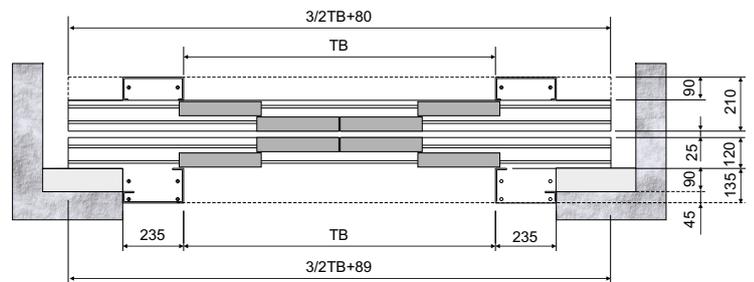
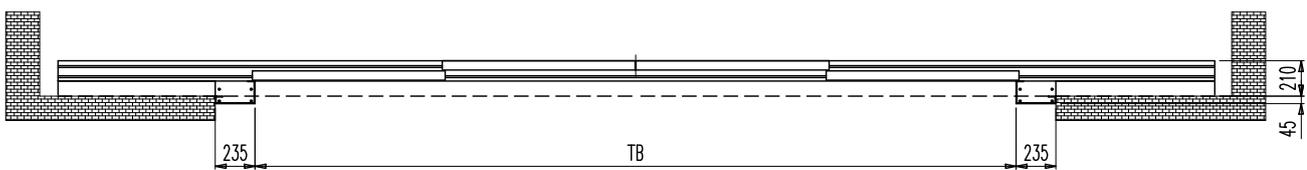
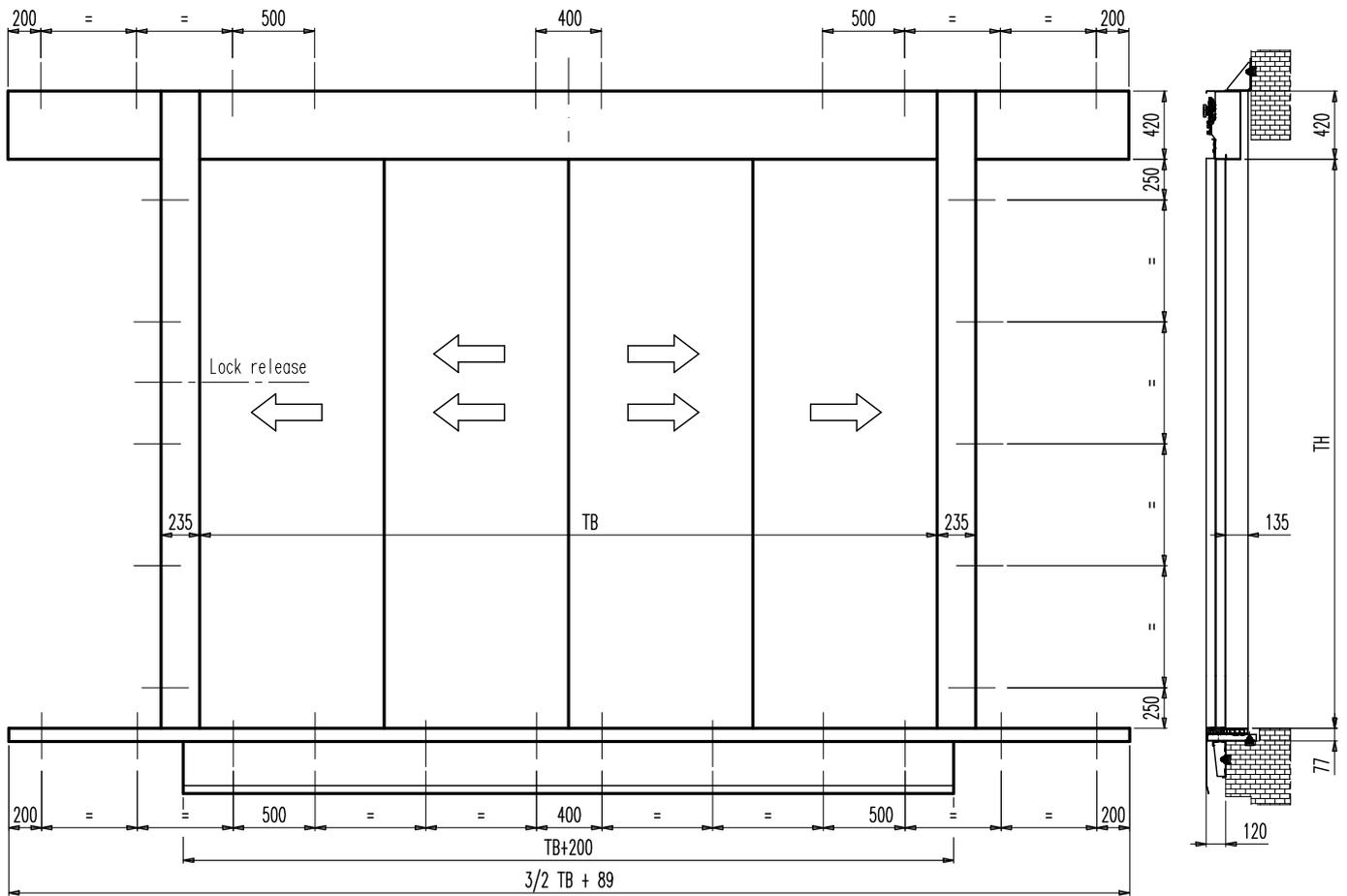


6Z execution
shown in the picture

MAIN FEATURES	STANDARD	OPTIONS
Car door locking device	EN81-20/50	EN81-1/2
Skate	Expansion	x
Motorization	See pag. 5	Brushless with AC-VVVF technology
Door controller	SDS DC PWM	Other door controllers available. Please contact our sales department.
Door panels	Single skin	Double skin / Vision panel
Detecting system	x	Static / Dynamic
Operator height	445 mm	340 mm for 2RL, 2Z and 4Z 265 mm for 3RL and 6Z
Average car door cycles per year	650.000	x
Impact robust packaging	Cardboard box Wood (ISPM15)	x

SPECIAL EXECUTION	OPTIONS
Anti-vandal execution	EN81-71
Hidden bottom track	✓ (no 3 R/L and 6Z)
Marine execution	✓

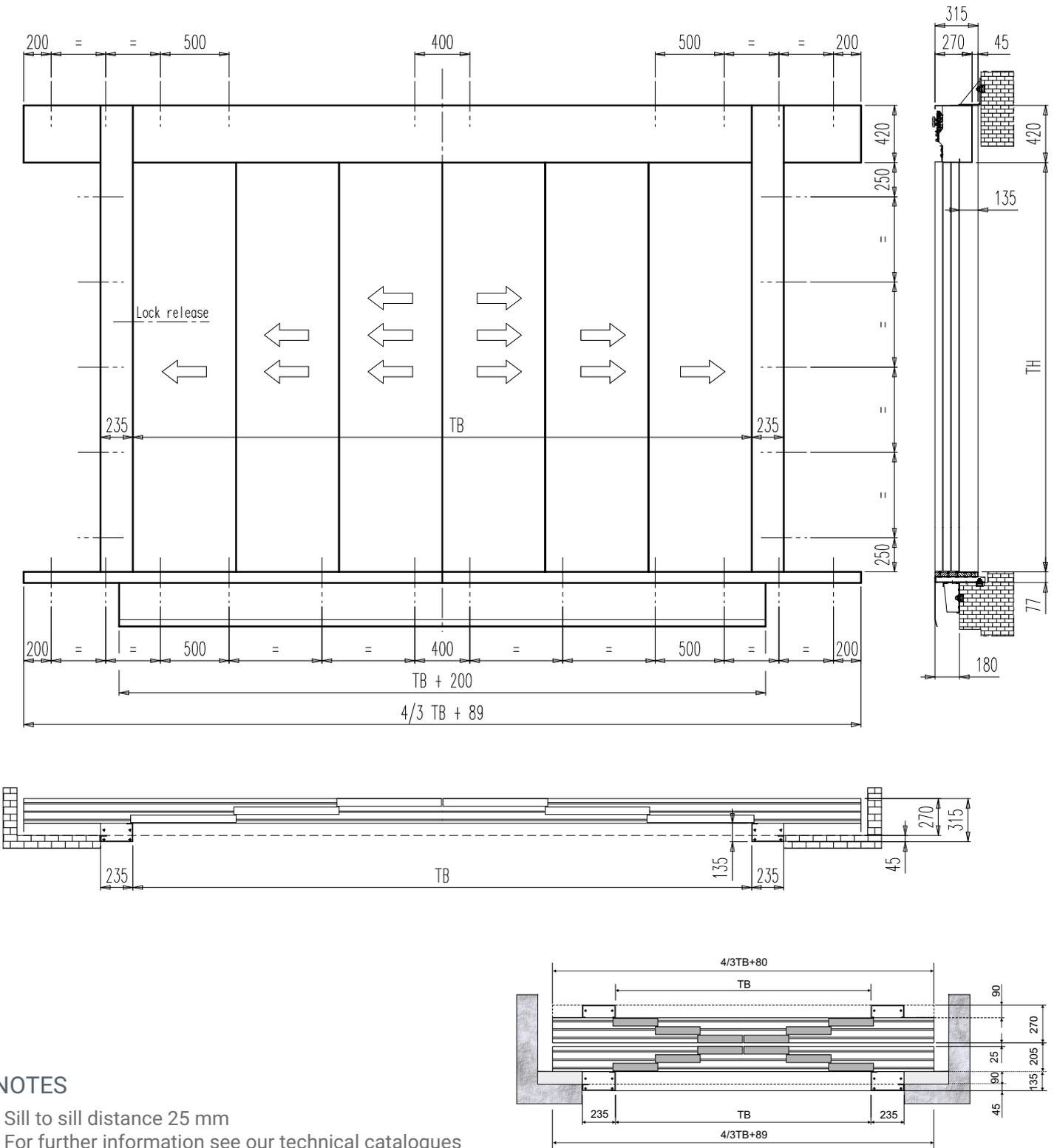
4Z LAYOUT: FRONT, SIDE VIEWS AND COUPLING



NOTES

- Sill to sill distance 25 mm
- For further information see our technical catalogues

6Z LAYOUT: FRONT, SIDE VIEWS AND COUPLING

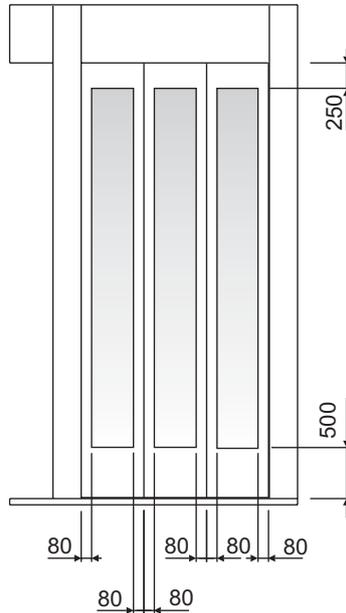


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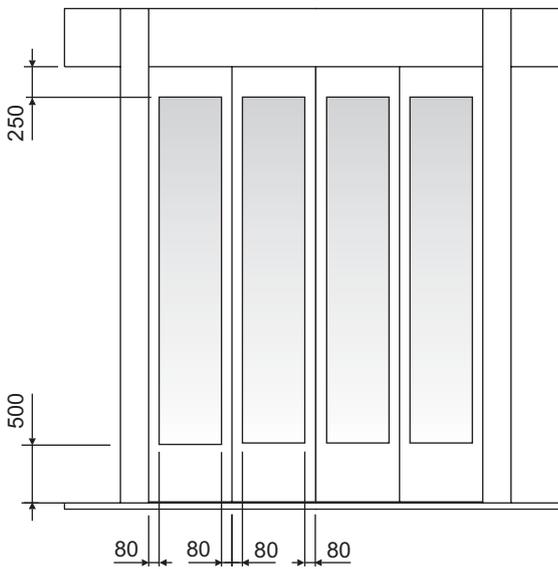
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STANDARD DIMENSIONS FOR FRAMED GLASS PANELS

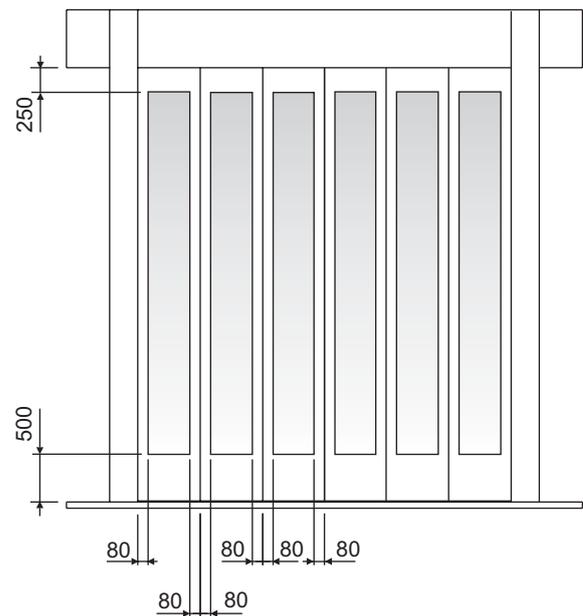
3R/L



4Z



6Z

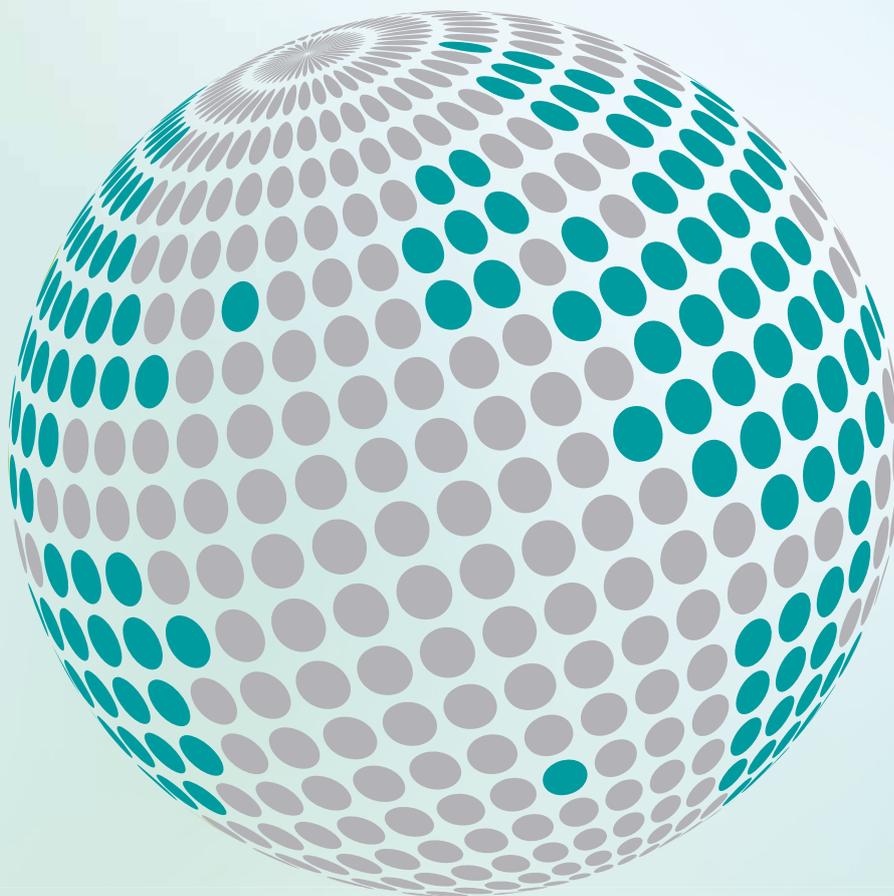


NOTES

- EN 81-58 and BS476 glass panels available too.
- For further information see our technical catalogues. Please always verify the execution feasibility with our commercial office.



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MODULES AND SYSTEMS IN THE ELEVATOR INDUSTRY**



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