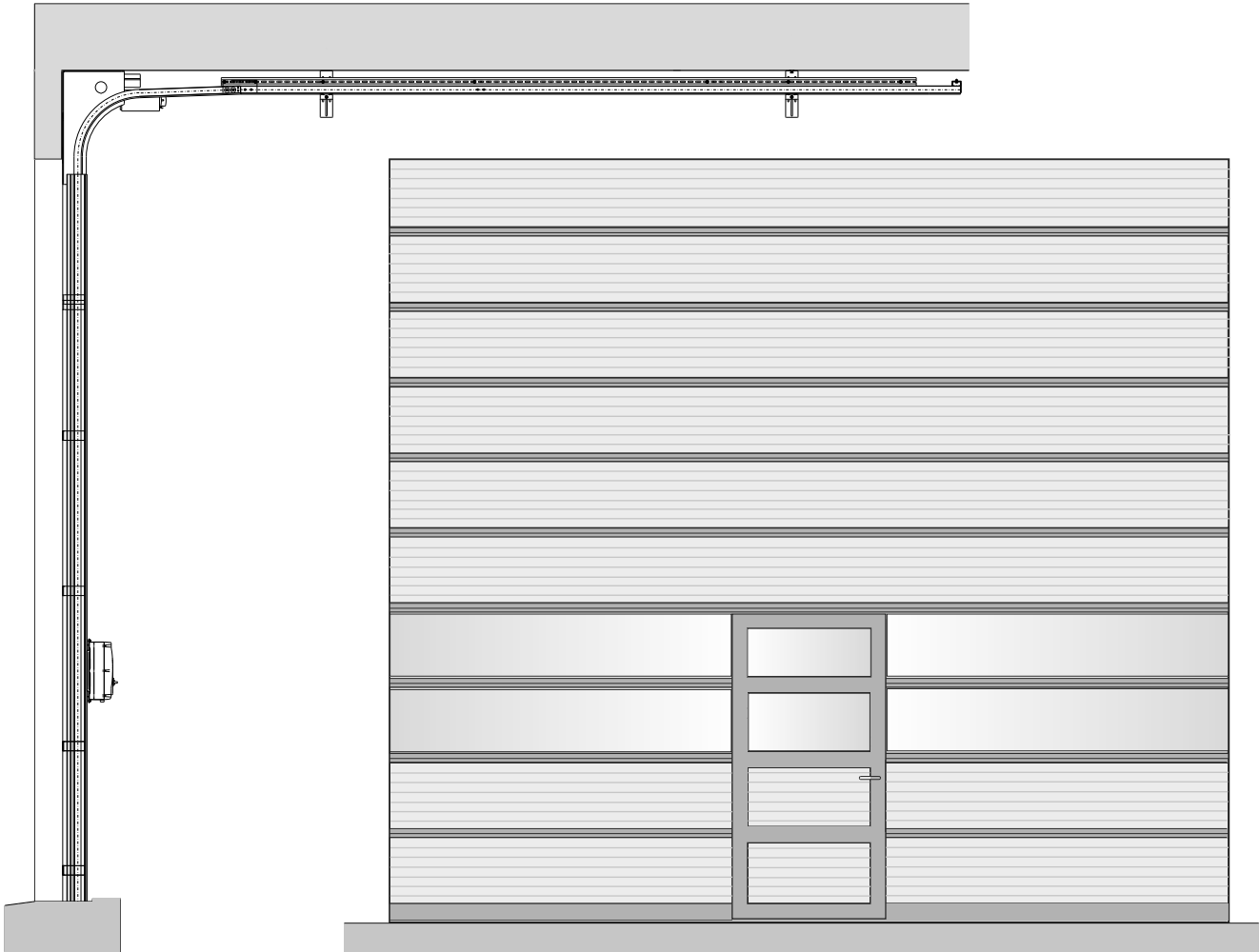


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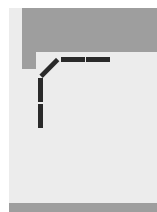
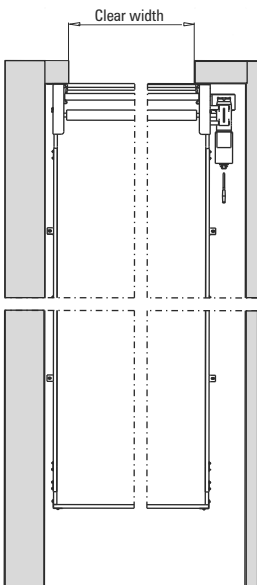
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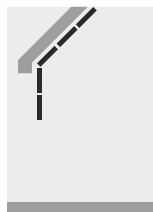
Technical Data Sectional Doors SECTIOLITE ST40 and ST40T



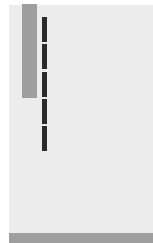
Top view



90° deflection



along the roof

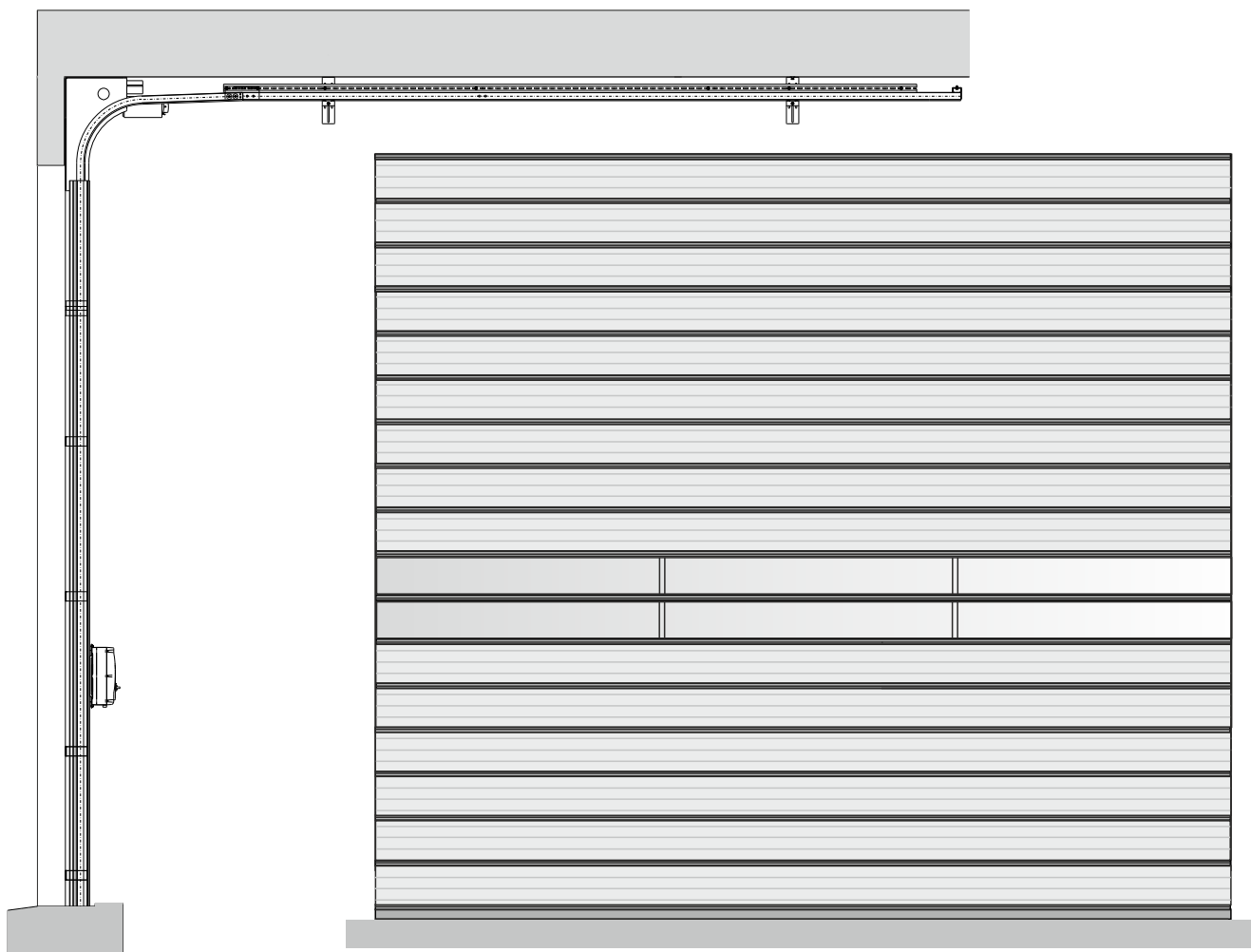


vertical lifting

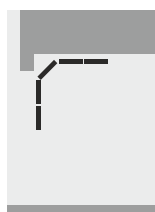
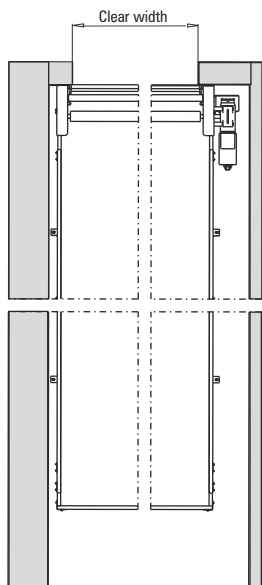
Technical Data · Sectional Doors SECTIOLITE ST40 and ST40T (including pass door)

		ST40	ST40T
Door dimensions [mm]*	Width min. / max.	1000 / 6000	2500 / 5500
	Height min. / max.	2000 / 5000	2800 / 5000
Required lintel height [mm]*	min. / max.	350 / 800	400 / 800
Door panel height [mm]	Approximate value (slight differences depending on type of door)	500	500
Opening speed [m/s]*	(standard) / (optional) up to	0,25 / 1,0	0,25 / 0,6
Opening cycles / duration in use*	Number of cycles for continuous operation	10 cycles/hour	10 cycles/hour
	Increased number of cycles for a duration of max. 1 hour	20 cycles/hour	20 cycles/hour
Opening cycles*	Typically up to cycles annually	50 000	50 000
Resistance to wind load*	Classification acc. to EN 12424**	2 - 5	2 - 3
Air permeability	Classification acc. to EN 12426**	4	3
Resistance to water penetration	Classification acc. to EN 12425**	> 3	3
Airborne sound insulation Rw (C;Ctr)	In dB according to EN ISO 717-1**	23	24
Opening forces / safe opening	According to EN 13241-1	achieved	achieved
U_p-value* (door) attainable	In W/m ² K	2.7	2.9
Cassettes	Steel, galvanised	■	■
Drive unit	Gear motor including brake and integrated anti-drop device	■	■
	Driving power [kW]*	0.85 - 2.5	0.85 - 2.5
Tracks vertical	Trilaterally closed solid aluminium profile	■	■
Door panel with fireglass filling	Twin-walled fibreglass panel, thickness in [mm]	40	40
	Colour shades fibreglass brilliant/ emerald-green/ sapphire-blue	■	■
	Insertion foils for improved thermal insulation	□	□
	U _p -value fibreglass incl. the max. no. of insert. foils in W/m ² K	1,4	1,4
	Light transmission (depending on colour and U _p -value)	47 - 78%	47 - 78%
	Fire behaviour acc. to EN 13501/ building material class acc. to DIN 4102	E / B2	E / B2
Vision panel with plastic glazing, 1 - 4 vertical interspacers, depending on the door width (another filling option is e.g. perforated sheet metal of 4mm thickness)	SAN with hard-coating	■	■
Emergency operation	By crank handle	■	■
	By hoist chain	□	□
	With uninterruptable power source	upon request	upon request
Control system	BDC E800 R Relay / contactor control, mains connection 400 V/50 Hz (L1,L2,L3,N,PE), fuse protection 10 A type C, fault current protection type B only	■	■
	BDC E800 F - Frequency converter control for smooth start-up and increased opening speed, mains connection 230V / 50Hz (L1,N,PE), fuse protection 16A type C, fault current protection type B only	□	□
	4 kW Frequency converter control mains connection 400V / 50Hz (3,N,PE), fuse protection 16A type C, fault current protection type B only	□	□
Safety	Drive unit with integrated anti-drop device	■	■
	Closing edge monitored by an optoelectronic sensor, power supply either by energy chain or conductor rail	□	□
	External photo eye	□	□
	External light curtain	□	□
	Laser sensor	□	□
	Anti-push-up device	■	■
Aluminium panel-profile surfaces	Mill finished	□	□
	Anodised E6-C0 (EV1)	■	■
	RAL colour coated	□	□
	Anodised acc. to British Standard	□	□
Options	Moisture-proof (Car wash kit)	□	□
	Wet-proof (Car wash kit)	□	□
	Lintel cover made of fibreglass	□	□

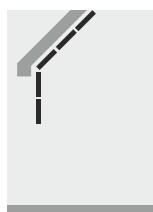
Technical Data Sectional Doors SECTIOLITE ST40S



Top view



90° deflection



along the roof



vertical lifting

Technical Data · Sectional Doors SECTIOLITE ST40S

		ST40S	Option Security	Option Sprint
Torggröße [mm]*	Breite min. / max.	1000 / 6000	1000 / 6000	1000 / 4500
	Höhe min. / max.	2000 / 5000	2000 / 5000	2000 / 5000
Required lintel height [mm]*	min. / max.	350 / 800	800	350 / 800
Door panel height [mm]	Approximate value (slight differences depending on type of door)	250	250	250
Opening speed [m/s]*	(standard) / (optional) up to	0.25 / 1.5	0.25 / 1.0	0.25 / 1.5
Opening cycles / duration in use*	Number of cycles for continuous operation	10 cycles/hour	10 cycles/hour	30 cycles/hour
	Increased number of cycles for a duration of max. 1 hour	20 cycles/hour	20 cycles/hour	60 cycles/hour
Opening cycles*	Typically up to cycles annually	50 000	50 000	150 000
Resistance to wind load*	Classification acc. to EN 12424**	3 - 5	3 - 5	3 - 5
Air permeability	Classification acc. to EN 12426**	4		4
Resistance to water penetration	Classification acc. to EN 12425**	> 3	> 3	> 3
Operating forces / safe opening	According to EN 13241-1	achieved	achieved	achieved
Burglar resistance	Resistance class 3 acc. to DIN V ENV 1627	□	■	-
U_p-value* (door) attainable	in W/m ² K	upon request	upon request	upon request
Cassettes	Steel, galvanised	■	■	■
Drive unit	Gear motor including brake and integrated anti-drop device	■	■	■
	Driving power [kW]*	0.85 - 2.5	0.85 - 2.5	0.85 - 2.5
Tracks vertical	Trilaterally closed solid aluminium profile	■	■	■
Door panel with fireglass filling	Twin-walled fibreglass panel, thickness in [mm]	40	40	40
	Colour shades fibreglass brillant/ emerald-green/ sapphire-blue	■	■	■
	Insertion foils for improved thermal insulation	□	□	□
	U _p -value fibreglass incl. the max. no. of insert. foils in W/m ² K	1.4	1.4	1.4
	Light transmission (depending on colour and U _p -value)	47 - 78%	47 - 78%	47 - 78%
	Fire behaviour acc. to EN 13501/ building material class acc. to DIN 4102	E / B2	E / B2	E / B2
Vision panel with plastic glazing, 1 - 4 vertical inter-spacers, depending on the door width (another filling option is e.g. perforated sheet metal of 4mm thickness)	SAN with hard-coating	■	-	■
	PC (Makrolon)	-	□	-
Emergency operation	By crank handle	■	■	■
	By hoist chain	□	□	□
	With uninterruptable power source	upon request	upon request	upon request
Control system	BDC E800 R Relay / contactor control, mains connection 400 V/50 Hz (L1,L2,L3,N,PE), fuse protection 10 A type C, fault current protection type B only	■	■	-
	BDC E800 F - Frequency converter control for smooth start-up and increased opening speed, mains connection 230V / 50Hz (L1,N,PE), fuse protection 16A type C, fault current protection type B only	□	□	-
	4 kW Frequency converter control mains connection 400V / 50Hz (3,N,PE), fuse protection 16A type C, fault current protection type B only	□	□	■
Safety	Drive unit with integrated anti-drop device	■	■	■
	Closing edge monitored by an optoelectronic sensor, power supply either by energy chain or conductor rail	□	□	□
	External photo eye	□	□	□
	External light curtain	□	□	□
	Laser sensor	□	□	□
	Anti-push-up device	■	electro-mechanical lock	■
Aluminium panel-profile surfaces	Mill finished	□	□	□
	Anodised E6-C0 (EV1)	■	■	■
	RAL colour coated	□	□	□
	Anodised acc. to British Standard	□	□	□
Options	Moisture-proof (car wash kit)	□	□	□
	Wet-proof (car wash kit)	□	□	□
	Lintel cover made of fibreglass	□	□	□