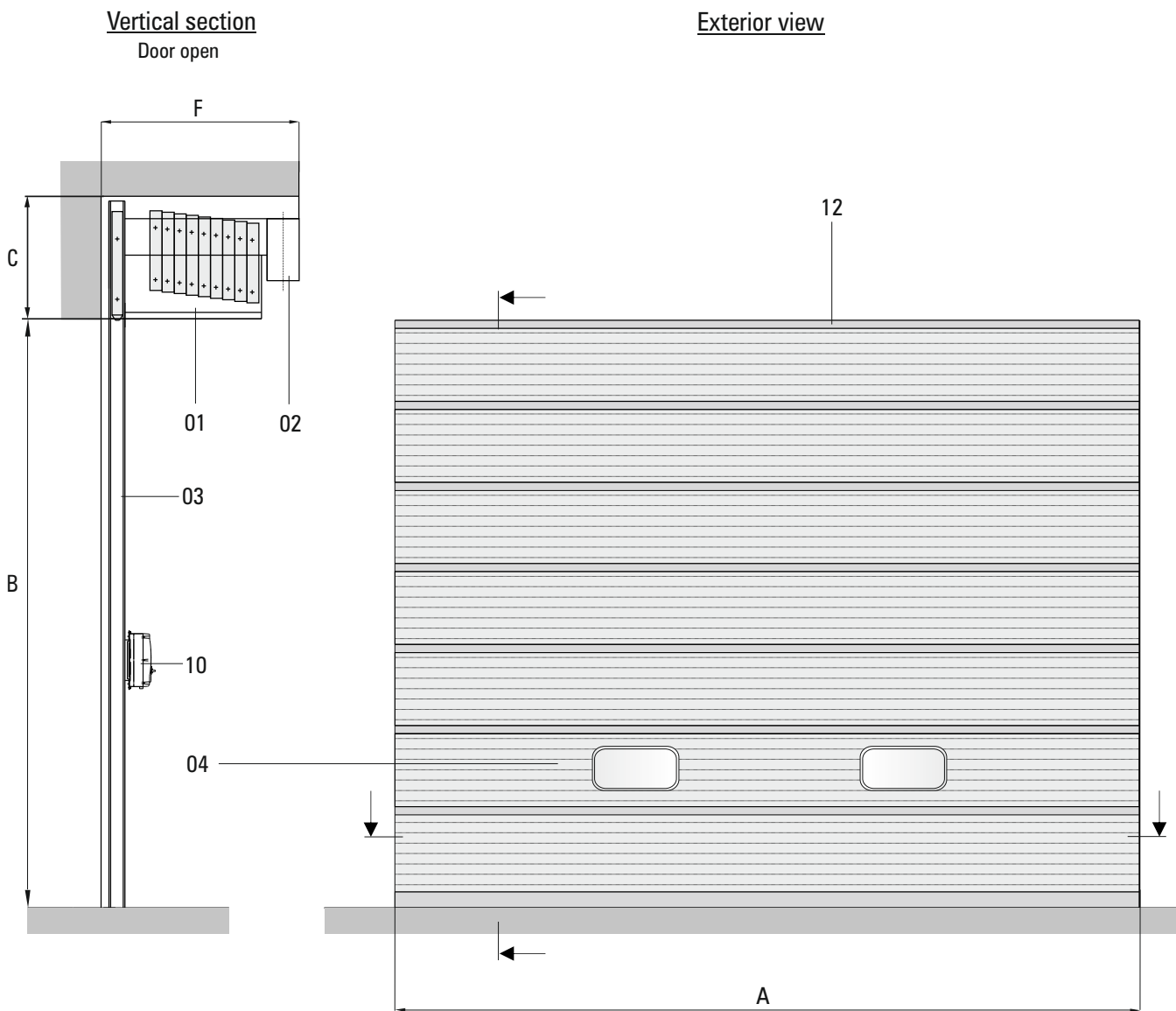


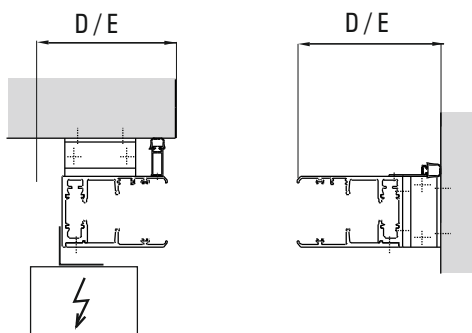
Technical Data

Stacking Doors SPACELITE® HT 80 and HT80XL



Horizontal section

Mounting and Fixing Modes



Assembly behind the reveal

Assembly within the reveal

Schematic illustration
 For more details please consult the dimensional drawings

Dim. / Pos.	Technical Data Stacking Doors SPACELITE®		HT80	
	Technical state March 2020		HT80	HT80XL
A	Door dimensions [mm]*	Width min./ max. (extra width upon request)	2000 / 10000	2000 / 10000
B		C/o height min./ max. (extra height upon request)	1000 / 6000	1000 / 16000
C	Lintel requirement [mm]*	Min./ max.	1250	1300 / 1430
D	Lateral space requirements [mm]*	Drive-unit side min. / max.	200	230
E		Non-drive unit side min. / max.	200	230
F	Space requirement room depth [mm]*	Required room depth depends on door height and type of cassette	1180	1700 / 1970 / 2350
	Door panel height [mm]	Approximate value (in dependance of door type minor deviations are possible)	1000	1000
	Max. door panel weight [kg]		770	1430 (1680)
	Opening speed [cm/s]*	Relay- respectively contactor- / or frequency converter; max.	14 / -	14 / -
	Opening cycles / operating time*	Door cycles, usually up to annually for contactor-/ or respectively frequency converter control (SDS25, SDS40)	30.000	30.000
	Values for contactor- or frequency convertor control	Maintenance interval, after max. door cycles or after interval	8 000 / annually	6000 / annually
	One cycle: Opening and closing = two load alternations	Number of cycles, on average [1 / hour]	5 / 5	5 / 5
		Increased number of cycles over max. 1 hour [1 / hour]	10 / 10	10 / 10
		Increased number of cycles over max. 15 minutes [1 / min]	-- / --	-- / --
	Wind load*	Classification according to DIN EN 12424	2 - 5	2 - 5
	Air permeability	Classification according to DIN EN 12426	2	2
	Resistance to water penetration	Classification according to DIN EN 12425	2	2
	Airborne sound insulation Rw (C;Ctr) [dB]	According to DIN EN ISO 717-1	26	26
	Operating forces / safe opening	According to EN 13241-1	fulfilled	fulfilled
	Burglar resistance	Resistance class according to DIN/TS 18194: RC2	□	□
	Thermal insulation value Ud*	Door-related Ud-Value attainable [W/m²K]	1.6	1.6
01	Cassettes	Steel, galvanised	■	■
		Steel, hot-dip galvanised	□	□
		Steel, primed and varnished	--	--
02	Drive unit	Worm gear motor incl. brake	--	--
		Worm gear motor incl. brake and integrated anti-drop device	■	--
		Spur wheel back-geared motor incl. brake	--	■
		Hydraulic drive	--	--
		Driving power [kW]*	0.85kW - 1.1kW	3 kW
03	Tracks vertical Surface	Aluminium profile closed on three sides	■	■
		Blank	■	■
		Anodised E6 / C-0 (EV1)	□	□
		RAL colour coated	□	□
		Anodised according to British Standard	□	□
04	Door panel with fibreglass filling	Thickness of the twin-walled fibreglass panels [mm]	80	80
		Fibreglass colours brilliant / emerald	■	■
		Insertion foils for the improvement of the thermal insulation value	□	□
		Inside with PVC-profiles (similar to RAL 7047) for the improvement of the thermal insulation value	--	--
		Fibreglass for humid areas, closed by lamination on the front (refer to car wash option)	--	--
		Vision panel made of insulated pane of glass /size w x h [mm]	□ / 800x400	□ / 800x400
		Up-value of the fibreglass panel with max. amount of insertion foils [W/m²K]	1.1	1.1
		Fibreglass light transmittance up to (light transmittance depends on colour and Up-value)	41 - 75%	41 - 75%
		Fire behaviour according to EN 13501 / building material grade according to DIN 4102	E / B2	E / B2
05	Real glass door panel	With 1 - 2 vertical transoms, depending on door width	--	--
	Insulating glass filling (1.1 W/m²K) made of 2x4mm tempered safety glass and thermally insulated profiles	without vertical transom (door width Ls max. 3.98m)*	--	--
06	Vision panel with plastic glazing, incl. 1-4 vertical interspacers, depending on door width (other fillings available upon request, thickness up to 4 mm)	PC (Makrolon)	--	--
		PMMA (Plexiglas)	--	--
		Perforated plate RV5-8	--	--
		Single glazing made of tempered safety glass 1 x 4 mm	--	--
07	Other fillings instead of fibreglass, for HT180 / HT200 dry glazing instead of fibreglass	Sandwich d= 40mm	--	--
		Sandwich d= 60mm	--	--
		Other fillings	--	--
08	Emergency opening	With crank handle	--	--
		With hoist chain	■	■
		With battery	--	--
		With uninterruptable power source	upon request	upon request
10	Door Control Drive-unit side	BDC E800 R / S Relay- or respectively contactor control, power connection 400 V/50 Hz (L1,L2,L3,N,PE), pre-fuse 10 A C-characteristics, only type B residual current-operated circuit breaker	■	■
		BDC E800 F - frequency converter control for soft start and a higher opening speed, power connection 230V / 50Hz (L1,N,PE), pre-fuse 16A C-characteristics, only type B residual current-operated circuit breaker	--	--
		4 kW frequency converter control Power connection 400V / 50Hz (3,N,PE), Pre-fuse 16A C-characteristics, residual current-oper. circuit breaker type B only	--	--
		Special control system for hydraulic drive, power connection 400V / 50 Hz connection data upon request	--	--
11	Safety	Approved by the German technical surveillance agency (TÜV), integrated in the track with mechanical overload protection	■	■
		Optoelectronic safety edge control with power supply via energy chain or busbar respectively	■	■
		External photo eye	□	□
		External light curtain	□	□
		Laser sensor	□	□
		Anti-opening protection	■	■
12	Surface	Blank	--	--
	Door panel profiles made of aluminium	Anodised E6 / C-0 (EV1)	■	■
		RAL colour coated	□	□
		Anodised according to British Standard	□	□
	Options	Car wash set (FR / NR)	upon request	upon request
		Lintel cover made of fibreglass	□	□
		Door canopy in case of outdoor installation	upon request	upon request
		Lateral swivelling part with or without pass door to enlarge the overall passage opening	□	□
		Vertically opening (vertical door) or track extension respectively	□	□
		Horizontally movable tracks between two door systems to provide larger passage widths, can be combined to achieve extra-large widths	□	□

* Depending on door size and equipment
 *** guide value, the value may differ, i.e. it may be much higher or lower depending on the operating conditions.
 **** Max. door cycles depend very much on the height of the door (run time; oil heating; locale climate; cooling)

■ standard
 □ available
 -- not available

NOTE: Not all options may be combined