



High-speed roller shutter ThermoTeck

Text example:

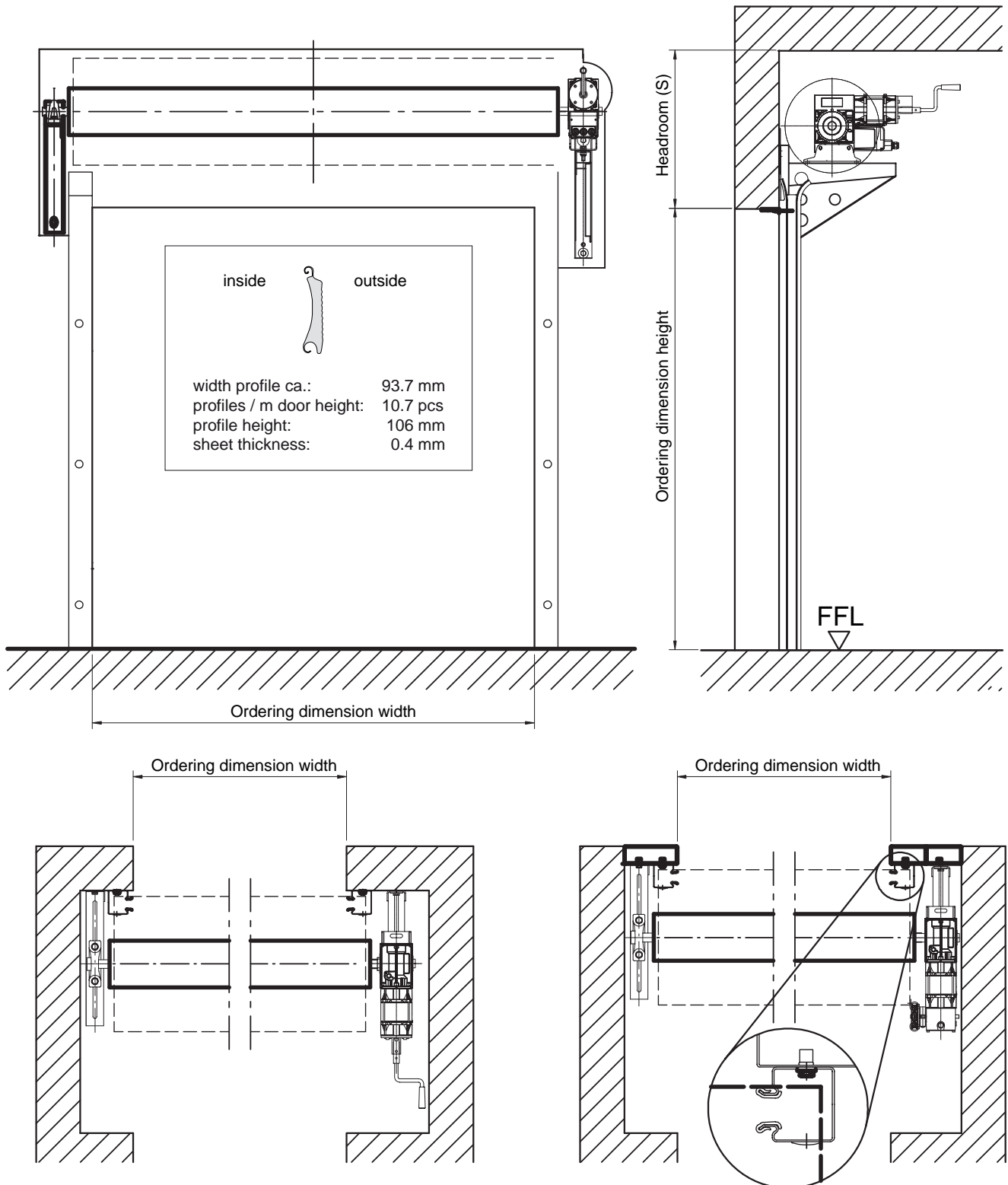
High-speed Roller shutter, double-skinned, insulated, made of steel profiles, galvanized consoles. Resistance to wind load in accordance with EN 12424 class 2. With header seal and prime coated winding shaft. Drive: Direct mount drive 400 V (three-phase voltage), IP54, emergency crank handle, intergr. Anti-drop device, TÜV tested, maintenance-free, 60% ED. Control: Frequency inverter control unit CS 300 FI, microprocessor control with absolute encoder. Soft start-up and soft stop. Integrated main switch. 3 potential free contacts available. Control unit pre-wired with CEE plug and 1m cable. Installation: Behind the opening, on concrete, all fastening elements, suitable for structure material, are supplied

(Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 1. July 2017.)

Technical Data

Product	High-speed Roller shutter (Profiles made of galvanized steel, double - skinned, medium opening speed up to 550 mm/sec. <ul style="list-style-type: none"> ▪ Heat insulation U-value tested in acc. with EN ISO 12567-1 (for dim. = 4000 x 4000 mm) U W/(m²·K) (complete door): 3,5 W/(m²·K) ▪ Sound insulation RW (tested) 20 dB ▪ Air permeability classification in acc. with EN 12426 class: 0 ▪ Resistance to wind load classification in acc. with EN 12424 class: 2 ▪ Resistance to water penetration tested in acc. with EN 12489, classification in acc. with 12425 class: 0 	Consoles	Made of galvanized steel. If desired, with sound insulation in acc. with DIN 4109.
Installation in	Walls made of <ul style="list-style-type: none"> ▪ masonry min. 120 mm ▪ concrete min. 150 mm ▪ steel ▪ autoclaved aerated concrete min. 200 mm only with steel frame ▪ wood min. 240 mm 	Locking	All locks connected to door control unit via safety switches. <ul style="list-style-type: none"> ▪ Bottom profile lockable from inside via two locking rods, with profile cylinder ▪ Bottom profile lockable from inside and outside via two locking rods, with profile cylinder ▪ Sliding bolt on the inside ▪ Other types of locking mechanism on request
Dimensions	Ordering dimensions width: 1000 - 6000 mm height: 2500 - 8000 mm Larger doors on request.	Drive	Direct mount drive with integrated anti-drop device or chain drive with separate anti-drop device and electric forced disconnection, (three-phase volt.) 400V, 50Hz, 60%ED, degree of protection IP54, with emergency crank handle. Other special voltages, degrees of protection or types of emergency operation on request.
Door curtain	Door curtain, consisting of hinge-like interconnected galvanized steel.	Control	Control unit pre-wired with drive, integrated main switch with CEE plug. <ul style="list-style-type: none"> ▪ radio control Accessories for control units: <ul style="list-style-type: none"> ▪ auto. closing (with traffic lights) ▪ traffic light control ▪ digital induction loop ▪ With safety edge mechanism: with self monitoring, electro-mechanical safety edge mechanism, safety-low control voltage 24V, IP 65, "close door" and "open door" in self-locking mode with push buttons "open-stop-close".
Profiles	▪ double-skinned steel, 93.7 mm wide	Special equip-ment	Permanent side part with integrated door. pivoted side part with integrated door. curtain box made of: <ul style="list-style-type: none"> ▪ galvanized sheet steel ▪ natural aluminium ▪ other versions on request Sloping bottom profile aligned to the floor, for side or roof installation
Surface	<ul style="list-style-type: none"> ▪ galvanized steel ▪ coil-coated steel 		
Glazing	synthetic glazing, crystal clear approx. 150 mm x 55 mm.		
Bottom seal	Double-skinned box profile made of aluminium with permanently elastic and frost-proof EPDM profile hose seal for a sealed bottom door edge.		
End caps	Robust, wear and corrosion-free plastic parts for fixing the profiles.		
Wind hooks	For high wind loads and/or large widths the doors are equipped with wind hooks and a reinforced bottom seal.		
Guide rails	Robust steel profiles with wear-proof, easy-to-change plastic guides.		
Winding shaft	Prime coated steel tub, with welded-in shafts on both sides for drive, anti-drop or bearing seat.		
Header seal	As standard, except for doors with ventilation grilles, louvers or other types of ventilation.		

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Further documents:

The exact dimensions for the lateral buffers and the header buffer can be found in our Installation data for roller shutters and roller grilles. It contains individually dimensioned assembly drawings for each shutter.

Please contact us for exceptional types of handing.