

record STA 20

automatic opening of linear sliding doors



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record
your global partner for entrance solutions

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Brief Description

The record system 20 supplies the basis of all our automatic door drives and is the first automatic door system featuring interactive communication, simplified commissioning, intuitive control and greatly enhanced operational safety and reliability.

With the STA 20 operator, we can provide a range of different automatic sliding door styles, all with a compact pelmet design that is uniform for both standard and telescopic door models. This enables building designers to achieve a slimline entrance design without compromising on door panel sizes, quality, safety and functionality.

The compact operator design is the result of a smarter operator design where two smaller drive motors can be fitted at either end of the operator to power larger door panels, rather than one bulkier drive motor at one end, regardless of the door weight.

Mechanics

The absence of noise is the most striking feature of our automatic doors and is achieved with a combination of:

- acoustically decoupled, hardened running tracks (replaceable)
- running carriage with hardened nylon wheels with sealed bearings and compensation for structural tolerance and adjustable attachment to door leaves
- motor and guide pulleys with sealed bearings
- low momentum toothed belt drive for minimum wear and low acoustic impact

Electronics

- interactive communication between components to monitor and enhance performance, safety and security
- malfunction potential is greatly reduced by the drive monitoring ability
- self learning processor with active automatic adjustment for optimum operation is the heart of the drive system which provides ongoing quality performance
- record BDE-D mode switch, with graphic display, enhanced by background lighting with menu-LED navigation, full diagnostics and programming capability

Options include

- record BDE-M keyed 4 position mode switch with operator reset
- AU standard 4 position master keyable mode switch
- AU standard 4 position knob type mode switch

Design

Carefully designed housing and covers in quality Australian aluminium provide the aesthetically pleasing appearance of our systems in both standard and low profile options with the same 100% duty rated performance. The elegant design lines allow our door systems to be integrated harmoniously into a building, or become a style feature.

record door leaf profiles are available in aluminium framed or frameless glass.

Key Features

- standard 160mm and low profile 110mm drive units
- high capacity with efficient and low noise operation
- failsafe electric motor brake locking with battery backup
- self monitoring system with diagnostics
- low noise, long life, replaceable track system
- height adjustable trolleys with anti-rise and long wear wheels
- matching profiles for standard and telescopic units

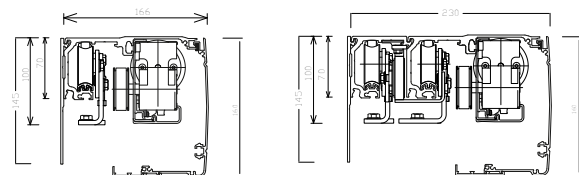
Technical Specifications

Door operating speed	up to 0.7 m/s (adjustable)
Operating housing dimensions H x D	Standard: 160 x 166 mm Low profile: 110 x 166 mm
Power supply	100 – 240VAC, 50 Hz
Power consumption	90W, 25W idle mode
Stat. drive power	Max. 150N
Protection rating	For use in dry locations only
Ambient temperature	-15°C to +50°C

Recommended Application Limits

Door type	Standard Sliding (STA 20)		Telescopic Sliding (TSA 20)	
	Single	Bi-Parting	Single	Bi-Parting
Opening width	800 – 3000mm	800 – 3000mm	800 – 3000mm	1200 – 4000mm
Passage height	3000mm	3000mm	3000mm	3000mm
Door leaf weight (/DUO)	1 x 150kg / 200kg	2 x 120kg / 150kg	2 x 90kg / 120kg	4 x 80kg / 90kg
Recommended for	standard sliding door applications		maximum opening width	

Pelmet Details (Standard Profile Option)



Compliance

record STA 20 operators meet the Building Code of Australia (BCA) requirements and are tested to stringent European standards DIN EN16005 (durability and safety).

record complies with the design, safety and functionality guidelines of the non-legislative Australian Standard AS5007:2007.



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