# Crawford 3110FCS Vertical lifting fabric door

## Product description:

* Vertical lifting fabric door designed for industrial environments where doors are exposed to moisture, dust, very high or low temperatures or where the door opening is large.
* The unique design and structure offers durability, tightness, energy efficiency, operational reliability and minimum maintenance.

### Door leaf

* Door leaf made out of two layers of very strong vinyl-coated polyester fabric, separated by aluminium intermediate sections.
* Intermediate section which gives strength to the door leaf and which creates a buffer between the inside and outside fabric walls.
* Wind load is transferred to the vertical guide rails by the horizontal aluminium sections of the door leaf.
* The door leaf is available in 8 standard colours.
* Door leaf thickness: 100 mm.
* Aluminium guide rails.

### Bottom section

* The bottom section, made of steel and aluminium, is connected to the lifting belt via the safety arresters.
* The bottom section contains an optical safety edge and a rubber seal on the bottom edge that creates a seal between the door and the floor.
* Optical safety edge.

### Safety arresters and wind lock in stainless steel

* Safety arresters stop the door if the lifting belt becomes slack or, in an unlikely event, would break.
* Wind lock system locks the door when the door is closed.

### Surface treatment

* Steel components corrosion treatment: category 3 according to ISO 12944.2. Higher class on request. Aluminium, plastic, stainless steel, zinc electroplated steel (~10u). Fixing elements are mainly hot dip galvanized (FZV). Door leaf screws protected with Geomet.

### Door features

* Door range:

MIN: 1810 mm x (no MIN. height)

MAX (W x H): 6000 x 6000 mm (in combination). Other sizes may be available on request.

* Opening speed: up to 1.5 m/sec. Closing speed: up to 0.35 m/sec.
* Temperature range: -35 °C to +70 °C.
* Compliance with all operational and safety instructions in EU Directives and the standards of the European Standardisation Committee (CEN).
* Wind load (EN 12424) Class 3-5 (0.7-1.6 kPa, depending on size).
* Water resistance (EN 13241) Class 3, 0.11 kPa (for a closed door).
* Air permeability (EN 13241) Class 2, 12 m3/(m2h).
* Thermal transmittance (EN

12428)

Depending on door size, specific data on request.

* Sound reduction (ISO 717) 15 dB Rw.
* Operating system: Electrical operator.

## Dimensions:

x mm (W x H)

## Options: Door leaf

* + Standard: Polyester, 1100 dtex with plasticised PVC coating
	+ Option: Arctic fabric. For environmental temperatures down to -45°C
	+ Option: Heat resistant fabric with silicone coating
	+ Option: Heat resistant fabric with aluminium coating
	+ Option: Heat resistant fabric with polyurethane coating
	+ Option: Sound reduction fabric
	+ Option: Security fabric

### Vision panels

 800mm x 800mm

 800mm x 1600mm

 1300mm x 800mm

 1300mm x 1600mm

### Fabric color

* + Tan (RAL 1001)
	+ Red (RAL 3001)
	+ Blue (RAL 5005)
	+ Green (RAL 6009)
	+ Grey (RAL 7004)
	+ Anthracite (RAL 7016)
	+ White (RAL 9016)
	+ Translucent white

### Header box

* + Gear motor on inside of the building
	+ Gear motor on outside of the building
	+ Gear motor in the door opening
	+ Insulated
	+ Stainless steel cladding and motor casing
	+ Self-supporting header box

### Operator

* Control system PLC-based
* Protection class, control cabinet IP65
* Protection class, safety boxes IP67
* Protection class, motor IP55
* Protection class, brake resistor IP51 (with protection)
* 3/phase 380-480V 48-63Hz power supply
* Control voltage 24V DC
* Fusing: 16 A / 20 A
* Free contacts: 6 for control of user functions
* Heat and cold resistance, exterior: -35 °C to +70 °C
* Heat and cold resistance, inside control unit: -10 °C to +50 °C
* Power consumption: 3.9 or 7.0 kW

### Options

* + Radio remote control
	+ “Open" (during closing process) if open button is used - door immediately stops and opens completely)
	+ External push-button, key switch
	+ “One-button function” - opens or closes door, depending on actual status (e.g. radio, pull switch)
	+ Additional safety (e.g. photo cell, radar) – door immediately opens completely
	+ Photo cell
	+ Reduced opening height
	+ Radar
	+ Magnetic loop
	+ Warning lights
	+ Traffic lights
	+ Interlocking door function

### Other supplementary equipment

* + Control cabinet in stainless steel
	+ Heating element in the control cabinet
	+ Emergency power switch
	+ Clamp strip covers in the same colors as the fabric
	+ Side jambs (if posts for installing the guide rails are not available)
	+ Side jambs in stainless steel
	+ Wind deflectors (in combination with jambs)