# Crawford VL3110 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 9 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.

### Standard door features

* Door range:

MIN: 1810 mm x (no MIN. height) MAX: 8000 x 12000 mm

* Normal operating speed of 0.2-0.3 m/sec
* Option: Increased opening speed of 0.4-0.6 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 2-5, 0.45-1.6 kPa, depending on size
* Water resistance (EN 12425) Class 3, 0.11 kPa (for a closed door)
* Air permeability (EN 12426) 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 (WxH)

## Options:

### Door leaf:

* + Standard: Polyester, 1100 dtex with plasticised PVC coating
	+ Option: Arctic fabric. For environmental temperatures down to -54°C
	+ Option: Heat resistant fabric with silicone rubber coating
	+ Option: Heat resistant fabric with aluminium coating
	+ Option: Heat resistant fabric with aluminium 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

* + Beige (RAL 1001)
	+ Red (RAL 3001)
	+ Blue (RAL 5005)
	+ Green (RAL 6009)
	+ Grey (RAL 7004)
	+ Anthracite (RAL 7016)
	+ White (RAL 9016)
	+ White aluminium (RAL 9006)
	+ 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, limit switches IP67
* Protection class, motor brake IP55
* Protection class, push buttons IP65
* 3/phase 400V 50Hz power supply
* Control voltage 24DC
* Fusing: 16 A
* Heat and cold resistance: -35 °C to +70 °C
* Motor ratings: 0.47 - 2.8 kW

### Options

* + Radio remote control
	+ Free contacts: 6 for control of user functions
	+ “Open" (during closing process) if open button is used - door immediately stops and opens completely)
	+ Pull switch for OPEN / CLOSE
	+ 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)
	+ 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)