# Crawford VL3116 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: 160 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: 6000mm x (no MIN. height) MAX: 14000 x 16000 mm

* Normal operating speed of 0.2 - 0.3 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

* Width 800 mm, height between the intermediate profiles (depending on door size)
* Width 1300 mm, height between the intermediate profiles (depending on door size)

### 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 50H power supply
* Control voltage 24DC
* Fusing: 20 A
* Heat and cold resistance: -35 °C to +70 °C
* Motor ratings: 2.8 - 5.0 kW

### Options

* Free contacts: 6 for control of user functions
* Radio remote control
* “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 with separate steel casing
* 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)