

NBS Specification

Kwikroll KR630 SE – External High Speed Vertical Rolling Fabric Door

Gilgen Kwikroll is a range of high speed vertical rolling fabric doors for low security and internal or external applications. They are always supplied with power operation for automated use and are specifically designed for vehicle flow solutions to enable frequent use and minimize environmental exchange.

Standard details for KR 6030 SE – High Speed Vertical Rolling Fabric Door:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Kwikroll KR630 SE
- **Size:** Width 5000mm (max)
Height 6000mm (max)
- **Arrangement:** Face fixed
Reveal fixed
- **Curtain colour:** RAL 1018 – zinc yellow
RAL 2004 – pure orange
RAL 3002 – carmine red
RAL 5010 – gentian blue
RAL 7038 – Agate grey
Transparent
- **Frame/Guides:** Manufacturers standard self finished galvanised steel
Polyester powder coated galvanised steel, coated RAL ref
- **Operation:** Manufacturers standard geared motor with optional frequency - converter control
2 push button (open/close)
3 push button (open/stop/close)
Induction loop
Infrared movement and presence detector
Mushroom button
Pull switch with bracket arm
Radar movement detector
Radio remote control
- **Emergency Operation:** Manufacturers standard – high level hand crank
Optional – Automatic opening via UPS during power failure
Optional – Counter weight with battery back up
Emergency motor mounted hand chain system
- **Safety (powder operation):** Standard – Contact safety edge & none contact safety beam
Optional – Secondary post mounted one contact safety beam
Optional stand-off presence sensing devices – to detect the – Presence of pedestrians approaching door zone
Optional – None contact light curtains
- **Outputs:** Traffic lights

Guidance

As standard

Application

High frequency transport flow situations inside or outside (max size 5000mm wide x 6000 mm ht)

Curtain thickness

- Fabric: 1.5 mm.
- Vision panel: 2.0 mm.

Speed (open – close) options

- 0.8/0.8 m/s
- 1.0/0.5 m/s
- 2.0/0.8 m/s
- 3.0 / 0.8 m/s
- Max door size restricted to 4000 mm wide x 4000 mm height

Wind protection:

Spring steel wind protectors with twin track rollers and side tensioning system – DINEN 12424 Class 2 (upto 70 Km/ h)

Options

Components

A selection of drive and control systems, flexible curtain fabrics and compositions are offered to suit different applications. Electric operation is with a range of motors and controls for both 240v single phase and 400v 3 phase supplies. A comprehensive range of vehicle detectors, hand transmitters, receiver units, push-button controls, key switches, photocells, signal lights and digital control units are also available as alternatives or in addition to the standard control units. Reliable operation and safety in use are of high priority with safety systems a both impact safety edges and secondary none contact safety beams supplied as standard on most models.

Dimensions:

- Width (maximum): 5000 mm.
- Height (maximum): 6000 mm.

Finish:

The fabric curtains are available in a range of colours and transparency, and the main metal work structure and optional casings are normally a galvanised self finish, but optional polyester powder coat finishes and special stainless steel materials can be supplied.

Emergency operation

Optional – Automatic opening via UPS during power failure

Optional – Counter weight with battery back up

Emergency motor mounted hand chain system

Automated opening mode via an integrated UPS battery system in the event of a power failure.

Health & Safety: Pedestrian Usage of High speed doors

The HSE recommends an electro- sensitive device such as an additional post mounted photocell positioned no LESS than 0.9m and no greater than 1m away from the door line , to the front and rear of the door, with barriers between the door and the posts to prevent pedestrians entering the unprotected area other than through the safety beam. Alternatively active presence sensors can be used above the door head to provide threshold safety zones.