

**Record UK Ltd****n55Plus**

K31 Three Wing Revolving Door

By Record UK Ltd

Detailed description

Three leaf automatic or manual revolving door which is available in various design options. There are options with night shutters in the manual or automatic versions, with electric or mechanical locks, push bars in different variations or with specific glass requirements. Every three leaf automatic revolving door provides a very comfortable 120° wide compartment for any user. The canopy structure is manufactured from a solid and strong steel structure including thermal insulation and clad in aluminium plates along the pelmet and closed with a standard dust cover.

The ceiling underside is closed with segmented aluminium plates that provide a solid and perfectly flush view. Highly engineered and reliable drive components ensure a smooth and safe operation at all times.

Benefits:

- Ground position provides high seal and reduces wind draught into building.
- Climate control (temperature, air conditioning wind draughts) which reduces costs.
- Flexible design options provide totally customized solutions for any entrance.
- Full glass option available for incredible transparency, mainly for glass façades.

Applications:

Ideal for office buildings, airports, train stations, hospitals, shopping centres and hotels.

Product guidance - As Standard

Operating features:

The door is supplied with the following basic parts:

- Single operating switch with the following modes: OFF - Automatic - Continuous - Hand.
- Single emergency stop switch.

Throughput capacity (based on bi-directional use):

- 2500 mm: 1800 per hour.
- 3000 mm: 2025 per hour.
- 3500 mm: 2205 per hour.
- 4000 mm: 2232 per hour.

Capacity is based on theoretical calculation with maximum occupancy of persons per segment per hour in both directions (without engagement).

Passage opening (inner sliding doors):

- 3600 x 3758 mm: 1640 mm.
- 4200 x 4358 mm: 1940 mm.
- 4800 x 4958 mm: 2240 mm.
- 5400 x 5558 mm: 2540 mm.

Options

Accessories:

- Watertight roof at outside (180°) including two water spouts to drain the water.
- Dust roof 180° or 360° in aluminium, RAL, anodized, stainless steel etc.
- Air curtain (heater) including air duct and air outtake for electrical or warm water supplies.
- Night shutter (2 x 30° leaves) outside or inside available in various options.
- Mid rails at drum walls or rotating centrepiece, impact protection from trolleys.
- Individual design options on request, such as signage, special illumination etc.
- Three manually foldable door leaves for transportation purposes or supporting escapes routes (break-out) with book fold design.
 - Middle show case (display) in straight, concave or convex design that starts from diameters of 3200 mm. All three door leaves will be manually collapsible and during normal operation hold with electromagnets.
 - Column drive that allows to build the door around an existing structural steel or concrete column (pillar) providing a solution for even narrow spaces where revolving doors can be used.

Power supply:

230 V AC or 120 V AC, 50/ 60 Hz.

Power connection:

Single phase alternating current, 16 A fused.

Power consumption:

250 W (2000 mm diameter); 1600 W (6000 mm diameter).

Control unit:

24 V direct current (short circuit proof).

Motor current:

48 V (pulsed).

Environmental conditions:

- Temperature range: -15–50°C.
- Humidity range: Up to 85% relative humidity.
- Case protection: IP 20.

Product specification

Manufacturer

| | |
|------------|---|
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| Product reference | K31 Three Wing Revolving Door |
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|------------------------|---|
| Diameter | [_____] |
| Height | [_____] |
| Drum wall construction | <ul style="list-style-type: none"> Flush Framed Solid panel |
| Profiles | <ul style="list-style-type: none"> 26 x 27 mm 26 x 65 mm |
| Drum finish | <ul style="list-style-type: none"> 1.4301 stainless steel (304) 1.4401 stainless steel (316) Anodized Brass Bronze RAL powder coated - Insert requirements. |
| Glazing | <ul style="list-style-type: none"> Low-iron (white glass) Special - Insert requirements. Tinted |
| Spotlights | [_____] |
| Type | <ul style="list-style-type: none"> Halogen LED |
| Quantity | <ul style="list-style-type: none"> Three Six Nine |
| Type | <ul style="list-style-type: none"> Halogen LED |
| Quantity | <ul style="list-style-type: none"> Three Six Nine |
| Accessories | [_____] |

