

AUTOMATIC CURVED & ROUND SLIDING DOORS



Curved and round automatic doors create exceptional and elegant entrances for buildings without forsaking the free, and quick safe flow of people through the door.

The range of curved, semicircular and round doors is based on the proven Manusa Visio automatic door operator deployed in over 70 countries worldwide.

The operator drives 2 or more flat or curved moving door leaves that slide open along the perimeter in opposite directions. The curvature may be as small as a few degrees and up to half a circumference.

The opening of the doors create a clear unobstructed pathway for the users and creates a elegant glass corporate portal with beautiful aesthetic lines.

TECHNICAL DATA

DESCRIPTION STANDARDS D00890EN

MOTOR GROUP TECHNICAL SPECIFICATIONS - CONCAVE/ CONVEX

Standard power supply
220-240V-6% 50Hz220-240V
+/-6% 50Hz

Motor: 2 x Three-phase AC
Nominal power 265 W - 265 W
Inverter technology (excl. Manusa)
Protection fuse - 4 A
Operating temperature
-15°C to 50°C-15°C to 50°C

Rechargeable fail-safe batteries
(open/close)

2x12 V DC 700mAh

GR KINEMATIC CHARACTERISTICS MOTOR CONCAVE CONVEX

Adjustable leaf opening
speed: ≤ 1 m/s
Adjustable leaf closing
speed: 0.15 to 0.6 m/s

Adjustable closing force:
40 N to 140 N

Maximum acceleration: 2 m/s^2
Independent regulation
of speed/force: Yes

Leaf maximum weight: 2x90Kg

OPERATOR CHASSIS SPECIFICATIONS CONCAVE/ CONVEX

Operator dimensions
(height x depth) [mm] 160 x 190

Maximum operator expansion
[mm]: 5,500

Minimum/maximum clear width
[mm]: 800 / 2,000

Minimum/maximum outside radius
[mm]: 900 / 7,000

Recommended maximum clear height
[mm]: 2,400

COMPATIBILITY WITH DOOR LEAVES - CONCAVE/CONVEX

Top and Bottom Rail F20
Top and Bottom Rail D20
BO

Low Voltage Directive
2006/95/CE

Electromagnetic Compatibility Directive:
2004/108/CE

Construction Products Regulation:
305/2011/CE

Machinery Directive:
2006/42/CE

Pedestrian Automatic Doors. Product Standard: EN 16361

Pedestrian Automatic Doors. Safety in Use: EN 16005

Household and Similar Electrical Appliances.
Safety. Door Drives: IEC 60335

Detection Devices
EN 129782

APPLICABLE REGULATIONS D00890EN

The product cover is made of aluminium, which allows for all the finishes available for this material:

Anodised:The anodised finish consists of a protective covering, created through an electrolyte process. The minimum anodised thickness is 15 microns.

Lacquered:The lacquered finish is a protective covering made from plastic paint polymerised in an oven. The minimum lacquered thickness is 60 microns. Complete RAL range available.

DETECTION

HDS Hybrid Sensor :Range of dual-technology sensors with activation and safety detection functions in the leaves' closing area.

AIR HPS Sensor:Infra-red technology sensor for side safety detection in the leaves' opening area.

DDS Hybrid Sensor

Range of dual-technology sensors with activation and safety detection functions in the leaves' closing area.

LOCKING

Electromechanical lock

A device for connecting to building automation and communications buses.

In addition the web server, allows individual remote control.

