

Technical Details for High Speed Roll Up door

Technical Details Motors - High Speed Servo Motor Make DRUNKEN GERMANY

- This Motor Have Compact Design And Precision Control Feature.
- Double Encoders: Internal Encoder Controls The Motion, Speed And Torque (Close Loop). External Encoder Double Checks The Limit Switch.
- Torque Auto Adjusting System: Torque Automatically Changes According To The Load And Set Speed.
- LCD Control Panel Make **CARDIN ITALY** for operation which provides on Time Status, Historical Faults and Data.
- All Doors Supplied are with Drive System Consisting of Motor-Gearbox, Safety Break System, Electronic Limit Switch (In Built Encoder for Fail Proof Limit Working) & Digital Controller with Variable Frequency Converter Drive.
- Speed Feature: Normal Factory Set Speed Is In Between 500 mm / Sec Opening & Closing. With Programming Can Be Changed Up To 2000 mm / sec.
- In Built Soft Start & Soft Stop Of Door Curtain Function Allows Door To Slow Down Nearing To About 08% Speed of Full Opening Speed. The inbuilt Automatic Height Adjuster will adjust Door Height Automatically.
- Two Door Interlocking Feature Inbuilt.
- Extra Output Port Is Available For Multi Function Use As Per Requirement By End User.
- Protective Function: - Over-Current Protection, Over-voltage Protection Under-voltage Protection, Overheating Protection and Overloading Protection.

Motor Models

GYJ 80

Power Rated

1000W

Starting Torque

80N.m

Reduction Ration

1:15

No Load Speed

90r/min

Power Supply

3*AC 220V

Type of Lubricant

Oil Immersed

Noise

≤60dB

Limit Switch

Absolute Value Encoder

Torque Management

Automatic Torque System

Self-Locking

Electro Mechanical Brake

Manual Release

Hand Crank

Out Put Shaft Diameter

Ø 25.4 mm

Use Environment

-20°C To +45 °C

Duty Cycle

S1

IP Rating

Ip65

Curtain Details PVC Coated Fabric Make SIOEN (Belgium)

- European make- most innovative & superior PVC Coated Fabrics for High Speed Doors
- Make: SIOEN, Belgium are Both sides Acrylic lacquered & dimensionally stable
- option of high-quality HP Latex Branding
- Cut on fully automated Cutting Machine from ZUND, Switzerland
- High Frequency Welded on FORSSTROM- Swedish make Welding Machines
- Longer Life Span • High Tear Strength • Dimensional Stability • UV Resistant • Very Flexible
- Flame Retardant (**Chemically Treated to Self-Extinguish**)
- Resistant to Humid Environment Simplified Maintenance • Reduces Energy Cost • 100% Recyclable
- Curtain Thickness Available From 900 GSM Up to 1700 GSM With Strength Of 4000N/5cm.
- See Through Window, Made From Rigid PVC Transparent Film With Size Of 600 mm Height Is Clubbed With The Curtain At
A Height of 1100 mm From The Floor Level. This Width & Height Is Adjustable And Can Be Varied As Per Requirement

Door Structure

- To Provide The Door Curtain Wind Resistance Strength Aluminum Wind Rails Are Used As Interchangeable Connector In-Between The Two Curtain Section. These Connectors Are Used So As Only Damaged Section Of Panel Can Be Replaced Due To Modular Door Design, Hence No Need To Replace Full Door Curtain. Aluminum Wind Rail Can Be Added To Increase Door Curtain Wind Resistance.
- Front Guide Columns Of The Doors Are Made Of **Aluminum Matt Finished** Clear Anodized Of Size 125 mm x 105 With Wall Thickness 5 mm.
- The Curtain Along With Heavy Bottom Side Is Made By Aluminum Profile Of 90 mm x 25 mm Thick For Better Support & Curtain Movement.
- Door Columns Are With Dual Brush Sealing Which Seals Door Columns And Stops Movement Of Air And Pollutants
- Wind Resistance Class - **Din EN 12424** – Class 3 With Standard Pressure Difference – Delta **10 Pascals**.
- **The Standard Wind Resistance Of The Door Is 128 km/h**

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Safety Sensor & Accessories

- Photo Cell (Safety Sensor) – Dual Safety PE Sensor (Working Range Of 6m) - **Included.**
- The Safety Edge Sensor -**Included.** ● Flashing light Qty. 2 No. - **Included**

Operation Principal

- Basic Operation On Push Buttons From Both The Side - **Included.**
- Auto Close Function In Built - Auto Close With Variable Hold Open Timer In Between 01 Sec To 600 Sec
- Additional Operating Accessories Can Be Provided If Required – Double Or Single Chanel Induction Loop Detector, Rader Sensors & Access Control System, Pull Cord Switch. – **Not Included**
- **Manual Operating CRANK Handle In Case of Power Supply Failure - Included.**
- **Powder Coated GI Hood Cover For Top Assembly & Motor - Included**
- **Also Available In S.S. If Required (Optional)**

Space Required On Site

On Top Side After Clear Opening Height – 450 mm For Roller Assembly.

Width Wise After Clear Opening - Any One Side – 450 & 200 mm On Either Side. Kindly Refer The Space Drawing Attach

Note: - The Average Door Life Is 10 Lakh Cycles

Considering One Cycles Each Minutes Will Be @ 10 Times Per Hour. Each Day 10 Working Hour Will Have @ 100 Cycles. The Door Life Will Be @ 8 To 10 Years

► **Note: -**

A) Providing Of Scaffolding Or Hydra Or Articulating Boom Or Forklift Working Height 08 Meters Will Be In Client Scope

B) Each Door Will Take 3 Working Days To Install Once The Site Is Ready

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