

# Product Data Sheet

HD-CD 2530

Low Headroom Parking Door

**HÖRMANN**



A springless, chain drive low headroom rubber door designed for parking garages where extremely reliable, high-cycle operation is a must.

- This high-performance rubber door is best suited for any application where headroom clearance is extremely limited; minimum required head room 13 in
- Patented aluminum bottom bar with knockaway pivot arms designed to withstand vehicle impact with no downtime
- Door is easily reset from the floor without the use of special tools or replacement part
- A high efficiency helical gearhead operator with VFD (Variable Frequency Drive) handles extremely high daily cycles typical of a parking entrance
- Multi-function controller allows for a wide range of activation and safety devices
- Suitable for applications up to 25 feet wide and 10 feet high

| Technical Data                                   | Imperial  | Metric   | Remark   |
|--|---|--|--|
| Application                                      | Interior / Exterior   |  |  |
| Speed  | Opening<br>up to 30 in/s<br>Closing<br>up to 20 in/s                                      | Opening<br>up to 0.8 m/s<br>Closing<br>up to 0.5 m/s |  |
| Control Panel                                    | W x H x D (in)<br>20 x 24 x 11  | W x H x D (mm)<br>510 x 610 x 280                    |  |
| Roll-up Technology                               | Roll tube with precision-welded axles   |  |  |
| Size Range                                       | Width<br>7 ft 0 in up to 25 ft 0 in   | Width<br>2.10 m up to 7.60 m                         |  |
|  | Height<br>6 ft 0 in up to 10 ft 0 in  | Height<br>1.83 m up to 3.05 m                        |  |
| Mounting angle / Guide track<br>Assembly Profile | W x D (in)  | W x D (mm)   | Steel mount<br>Concrete mount                      |
|  | 5.25 x 9  | 140 x 230  |  |
|  | 9.25 x 9  | 230 x 230  |  |
| Roll Tube Diameter                               | 6.625 in  | 169 mm   |  |
| Visible Material Height<br>(Window Size)         | 16 in x 16 in,<br>¼ in thick  | 406 mm x 406 mm<br>3 mm thick                        |  |
| Required Headroom                                | 13 in   | 330 mm   |  |
| Drive Mechanism                                  | Chain drive operator with manual chain hoist  |  |  |
| Counterbalance System                            | Not required  |  |  |
| Braking  | Control box activated DC disc brake   |  | Optional BMH brake rectifier for cold temperatures |
| Cycleability / Maintenance                       | Unlimited cycles per day /<br>Inspection every three months                               |  |  |
| Safety Features                                  | Intergrated in-line light gridmanual chain hoist  |  |  |
| Resistance to Wind Load<br>(Max per Door Width)  | 20 psf, wind class 5  | 1.0 kPa wind class 5                                 | ANSI / DASMA 108-2002                              |
| Fire Resistance Rating                           | Non-rated, Non-conforming exit  |  |  |
| Manufacturer Warranty                            | Curtain - Limited lifetime<br>Operator - 5 years or 1 million cycles<br>General - 2 years |  | Curtain - 10 years in Europe                       |

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| Materials & Finishes                | Imperial  | Metric   | Remark  |
|-------------------------------------|---|--|---|
| Guides                              | 5 in aluminum extrusion guards  | 127 mm aluminum extrusion guards                   |   |
| Mounting Angles                     | Rollformed high strength galvanized steel, 10 gauge with gussets  |  |   |
| Guide Guards                        | Rollformed high strength galvanized steel, 10 gauge   |  |   |
| Roll Tube                           | Galvanized steel  |  |   |
| Endplates                           | Zinc dichormate plated steel  |  |   |
| Weather Seals                       | Self sealing rubber curtain / guides, EPDM loop seal on bottom bar, brush seal at lintel  |  |   |
| Curtain                             | Standard ¼ in Black SBR (Styrene-Butadiene Rubber)  | Standard 6 mm Black SBR (Styrene-Butadiene Rubber) | Optional: ¼ in (6 mm) Blue or Grey EPDM (Ethylene Propylene Diene Monomer), Black Nitrile, Black MSHA (Mine Safety and Health Administration) |
| Curtain Temperature Rating          | SBR: -40°F to 185°F   | SBR: -40°C to 85°C                                 | Grey EPDM: -63°F (-53°C) to 185°F (85°C)<br>Blue EPDM: -56°F (-49°C) to 185°F (85°C)  |
| Bottom Profile (Bar) Door Slat      | Extruded aluminum weighted bottom bar with patented pivoting arms   |  |   |
| Hood and Motor Cover (Optional)     | 18 gauge galvanized steel   |  |   |
| Truss                               | N/A   |  |   |
| Idler Barrel                        | Galvanized steel 6.25 in diameter x 0.16 in thick wall  | Galvanized steel 159 mm diameter x 4 mm thick wall |   |
| Energy Analysis                     | Imperial  | Metric   | Remark  |
| Thermal Resistance (R-value)        | 0.73 hr·ft²·°F/BTU  | 0.13 m²·K/W  | ASTM C518 – 10  |
| Heat Transfer Coefficient (U-value) | 1.36 BTU/hr·ft²·°F  | 7.74 W/m²·K  | ASTM C518 – 10  |
| Acoustic Insulation                 | Sound transmission Class (STC) 28 dB<br>Outdoor-Indoor transmission class (OITC) 23 dB  |  | ASTM E 90-09 / E 413-10 / E1332 - 10a   |
| Electrical                          | Description   |  | Remark  |
| Electric Door Operator              | Manaras Pro FDGH 2 to 3 hp (1.5 to 2.25 kW) varies by door size   |  | NEMA Type 4 (4X Optional) / IP66  |
| Motor Voltage                       | 230 - 460 VAC, 3 PH, 60 Hz  |  | Operator voltage dependent on supply power voltage  |
| Control Panel                       | 2 - 3 hp (1.5 - 2.25 kW) variable frequency drive rated for operator voltage  |  | NEMA Type 4 (4X Optional) / IP66 CSA Listed (Canada/US)   |
| Standard Power Requirement          | 208-230V, 3 Phase, 60 Hz, Max. full load amps 8.0 A<br>460-480V, 3 Phase, 60 Hz, Max. full load amps 4.0 A<br>575-600V, 3 Phase, 60 Hz, Max. full load amps 3.2 A |  |   |
| Disconnect                          | Fuse: 20 A, Class K   |  | Service to control box supplied by others   |



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