

Product Data Sheet

HD-CD 2530

Low Headroom Parking Door



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: 30 in/s Closing: 20 in/s	Opening: 0.8 m/s Closing: 0.5 m/s	
Control Panel	W x H x D (in) 20 x 24 x 11	W x H x D (mm) 510 x 610 x 280	
Roll-up Technology	Roll tube with precision-welded axles		
Size Range	Width 7 ft 0 in up to 25 ft 0 in Height 6 ft 0 in up to 10 ft 0 in	Width 2.10 m up to 7.60 m Height 1.83 m up to 3.05 m	
Mounting angle / Guide track Assembly Profile	W x D (in) 5.25 x 9 9.25 x 9	W x D (mm) 140 x 230 230 x 230	Steel mount Concrete mount
Roll Tube Diameter	6.625 in	169 mm	
Visible Material Height (Window Size)	16 in x 16 in, ½ in thick	406 mm x 406 mm 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 / Inspection every three months		
Safety Features	Intergrated in-line light gridmanual chain hoist		
Resistance to Wind Load (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 Operator - 5 years or 1 million cycles 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) 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-ft ² -°F/BTU	0.13 m ² -K/W	ASTM C518 – 10
Heat Transfer Coefficient (U-value)	1.36 BTU/hr-ft ² -°F	7.74 W/m ² -K	ASTM C518 – 10
Acoustic Insulation	Sound transmission Class (STC) 28 dB 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 5 hp (1.5 to 3.75 kW) varies by door size		NEMA Type 4 (4X Optional) / IP66
Operating Voltage (Motor)	230 - 460 VAC, 3 PH, 60 Hz		Operator voltage dependent on supply power voltage
Control Panel	2 - 5 hp (1.5 - 3.75 kW) variable frequency drive rated for operator voltage		NEMA Type 4 (4X Optional) / IP66 CSA Listed (Canada/US)
Standard Power Requirement (to Control Box)	208 - 600 VAC, 3 PH, 60 Hz		
Full Load Amps	2.82 to 18.85 A		Operator
Disconnect	Fuse: 20 A, Class K		Service to control box supplied by others