

# Product Data Sheet

HDXL9

Extra Large Size Rubber Door



For use in heavy manufacturing, steel, pulp & paper, waste management, oil & gas, and mining.

- Ideal for extra-large vehicle access doorways typical in mining and heavy industry
- High-efficiency helical gearhead (HG) operator with multi-function control box
- Door speed of up to 12 inches per second
- Counterbalance spring assembly cycle rating of 50,000
- Suitable for applications up to 47 feet wide and 45 feet high

Technical Data	Imperial	Metric	Remark
Application	Interior / Exterior		
Speed	Opening up to 12 in/s Closing up to 12 in/s	Opening up to 0.30 m/s Closing up to 0.30 m/s	
Control Panel	W x H x D (in) 20 x 24 x 11	W x H x D (mm) 508 x 610 x 279	
Roll-up Technology	Roll tube with precision-welded axles		
Size Range	Width 10 ft 0 in up to 47 ft 0 in	Width 3.05 m up to 14.33 m	
	Height 11 ft 0 in up to 45 ft 0 in	Height 3.35 m up to 13.72 m	
Guide Track Profile	W x D (in)	W x D (mm)	
	8.5 x 11	216 x 280	Steel mount
Roll Tube Diameter	16 in - 20 in	406 mm - 508 mm	Depending on door size
Visible Material Height (Window Size)	16 in x 16 in, ½ in thick	406 mm x 406 mm 3 mm thick	
Required Headroom	55 in - 66 in	1.40 m - 1.68 m	Depending on door size
Drive Mechanics	Chain drive operator with manual chain hoist		
Counterbalance System	50K cycle counterbalance spring		
Braking	Control box activated DC disc brake		Optional BMH brake rectifier for cold temperatures
Cycleability / Maintenance	50 per day / Inspection every three months		
Safety Features	Constant pressure to close, manual chain hoist		Optional photocells and wireless reversing edge
Resistance to Wind Load (Max per Door Width)	20 psf, wind class 5	98 kg/m <sup>2</sup> wind class 5	ANSI / DASMA 108-2002
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		
Manufacturer Warranty	Curtain - Limited lifetime General - 2 years		Curtain - 10 years in Europe

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Materials & Finishes	Description		Remark
Guides	Extruded aluminum		
Mounting Angles	8 in x 6 in x 0.188 in steel mounting tube		
Guide Guards	N/A		
Roll Tube	Hot rolled steel		
End Plates	0.5 in (12 mm) painted steel		
Weather Seals	Self sealing rubber curtain / guides, EPDM loop seal on bottom bar, brush seal at lintel		
Curtain	Standard ¼ in (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 (-40°C) to 185°F (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 Bar	8 in x 6 in x 0.188 in tubular steel		Aluminum stiffener for doors over 45 ft (13.7 m) wide
Electric Door Operator	HG helical gear high efficiency chain drive operator		Optional high corrosion upgrade
Control Panel	Standard separate control box with contactors and PLC		
Hood and Motor Cover (Optional)	18 gauge galvanized steel		
Truss	Fabricated steel construction, painted		
Idler Barrel	Hot rolled steel		
Energy Analysis	Imperial	Metric	Remark
Thermal Resistance (R-value)	0.73 hr-ft <sup>2</sup> -°F/BTU	0.13 m <sup>2</sup> -K/W	ASTM C518 – 10
Heat Transfer Coefficient (U-value)	1.36 BTU/hr-ft <sup>2</sup> -°F	7.74 W/m <sup>2</sup> -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 3 hp (1.5 to 2.25 kW) varies by door size		NEMA Type 4 (4X Optional) / IP66
Operating Voltage (Motor)	230 - 600 VAC, 3 PH, 60 Hz		Operator voltage dependent on control panel configuration and supply power voltage
Control Panel	2 - 3 hp (1.5 - 2.25 kW) with PLC and contactors		NEMA Type 4 (4X Optional) / IP66 CSA Listed (Canada/US)
Standard Power Requirement (to Control Box)	208 - 600 VAC, 1 or 3 PH, 60 Hz		
Full Load Amps	2.82 to 12.0 A		Operator
Disconnect	Fuse: 20 A, Class K		Service to control box supplied by others