

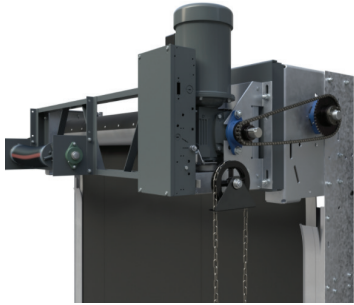
Product Data Sheet

HD-SD 3020

HD SERIES Sprung Drive Economy Rubber Door



Features



The typically harsh environments of heavy industrial applications are where these extremely reliable doors are most valuable.

- HD-SD 3020 Economy model gets the job done with a basic right-angle gearhead operator, opening the door at up to 18 inches per second.
- The HD-SD 3020 uses relay logic and contactors in a NEMA 1 operator mounted control box (OMC). Upgraded controller options are available for a wide range of applications covered by these versatile doors.

Technical Data				Remark
Application		Interior / exterior		
Speed	Opening	Closing		“up to” maximum speed for this model depending on door size
	18 in/s (0.5 m/s)	18 in/s (0.5 m/s)		
Control Box (W x H x D)		N/A		
Roll-up Technology		Roll tube with precision-welded axles		
Door Construction	Size Range	6'-0" (1830 mm) up to 30'-0" (9144 mm) wide 6'-0" (1830 mm) up to 30'-0" (9144 mm) high		
	Mounting angle / guide track assembly profile (W x D)	5.25" x 9" (140 mm x 230 mm) 9.25" x 9" (230 mm x 230 mm)		Steel mount / Concrete mount
	Roll Tube Diameter	8.625" (219 mm) x 0.322" (8.2 mm) thick wall		
	Window Size	16" x 16" (406 mm x 406 mm), 1/8" (3 mm) thick		
Required Headroom		32.5" (825 mm) 37" (940 mm)		Opening height up to 17' 0" (5185 mm) Opening height over 17' 0" (5185 mm)
Drive Mechanism		Chain drive operator with manual chain hoist		
Counterbalance System		50K or 100K cycle counterbalance spring (depending on door size)		
Braking		Motor activated AC solenoid drum brake		
Cycleability / Maintenance		50 per day / Inspection every three months		
Safety Features		Integrated in-line light grid, manual chain hoist		
Resistance to Wind Load		20 pounds per square foot (1.0 kPa) windclass 5		ANSI / DASMA 108-2002
Fire resistance rating		Non-rated, Non-conforming exit		
Warranty		Curtain - Limited lifetime General - 2 years		Curtain - 10 years in Europe

Product Data Sheet (Continued)

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Materials and Finishes		
Curtain	Standard 1/4" (6 mm) / Black SBR (Styrene-Butadiene Rubber)	Optional: 1/4" (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)
Guides	5" (127 mm) aluminum extrusion	
Mounting Angles	Rollformed high strength galvanized steel, 10 gauge with gussets	
Guide Guards	Rollformed high strength galvanized steel, 10 gauge	
Bottom Bar	Extruded aluminum weighted bottom bar with patented pivoting arms	
Endplates	Zinc dichormate plated steel	
Truss	Fabricated steel construction, painted	
Roll Tube	Galvanized steel	
Idler Barrel	Galvanized steel 6.25 in (159 mm) diameter x (4 mm) thick wall	
Weather Seals	Self sealing rubber curtain/guides, EPDM loop seal on bottom bar, brush seal at lintel	
Electric Door Operator	RG gearhead chain drive operator	Optional stainless steel motor
Control Box	Standard operator mounted controls (OMC), contactors with relay logic	Optional NEMA Type 4 or 4X (IP66) separate control panel, contactors with relay logic or PLC
Hood and Motor Cover (Optional)	18 gauge galvanized steel	
Energy Analysis		
Visible Transmittance (Tvis)	N/A	
Solar Heat Gain Coefficient (SHGC)	N/A	
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
LEED Credit (Potential)	N/A	
Electrical		
Electric Door Operator (Motor)	Manaras Pro RCGH 1 to 3 hp (0.75 to 2.25 kW) varies by door size	NEMA Type 1 (4 and 4X Optional) / IP10 (IP66 Optional), CSA Listed
Operating Voltage	230-600 VAC, 3 PH, 60 Hz	Voltage same as Supply power
Control Box	Operator mounted controls (OMC) with contactors	NEMA Type 1 (4 and 4X Optional) / IP10 (IP66 Optional), CSA Listed
Standard Power Requirement	208-600 VAC, 3 PH, 60 Hz	
Full Load Amps	1.19 to 8.43 A	Operator
Disconnect	Fuse: 20 A, Class K	Service to control box supplied by others



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