Product Data Sheet

HD-SD 3050

HD SERIES Sprung Drive High-Speed Rubber Door



Features



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

- The HD-SD 3050 high-speed, chain drive, spring counterbalanced door is equipped with a high-performance helical gearhead operator to open the door at up to 48 inches per second.
- The HD-SD 3050 operator is controlled by a custom programmable PLC with a variable frequency drive (VFD) in a NEMA 4 enclosure for precision control and durability.
- Counterbalanced by standard springs rated for 100,000 or 50,000 cycles, depending on the size of the door.
- Upgrades for 200,000 cycles in higher traffic applications are available

Technical Data				Remark
Application		Interior / exterior		
Speed		Opening	Closing	"up to" maximum speed for this model depending on door size
		48 in/s (1.2 m/s)	32 in/s (0.8 m/s)	
Control Box (W x H x D)		20" x 24" x 11" (510 mm x 610 mm x 280 mm)		
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		Control box activated DC disc brake		Optional BMH brake rectifier for cold temperatures
Cycleability / Maintenance		100 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 Operator - 5 years or 1 million cycles / General - 2 years		Curtain - 10 years in Europe

Product Data Sheet (Continued)

HD-SD 3050

HD SERIES Sprung Drive High-Speed Rubber Door



Curtain Standard 1/4" (6 mm) / Black SBR (Styrene-Butadiene Rubber) Optional: 1/4" (6 mm) / MRM (Mine Safet) and Heath Administration SBR: 40°F (-40°C) to 185°F (65°C) Optional: 1/4" (6 mm) / MRM (Mine Safet) and Heath Administration SBR: 40°F (-40°C) to 185°F (65°C) Guides 5° (127 mm) aluminum extrusion Erry EPDM: -65°F (-43°C) to 185°F (65°C) Blue EPDM: -55°F (-43°C) to 185°F (65°C) Guide Guards Rollformed high strength galvanized steel, 10 gauge with gussets Erry EPDM: -65°F (-43°C) to 185°F (65°C) Bottom Bar Rollformed high strength galvanized steel, 10 gauge with gussets Erry EPDM: -65°F (-43°C) to 185°F (65°C) Bottom Bar Fabricated steel construction, painted Erry EPDM: -65°F (-43°C) to 185°F (65°C) Bottom Bar Extruded luminum weighted bottom bar with patented pivoting arms Erry EPDM: -65°F (-43°C) to 185°F (-45°C) Bottom Bar Extruded steel construction, painted Erry EPDM (-65°C) Erry EPDM (-65°C) Bottom Bar Safadard separate construction, painted Erry EPDM (-65°C) Erry EPDM (-65°C) Wather Seals EPDM (-65°C) and run bar, runs is as at intel Electric Door Operator He helical gaar ligh efficiency chain drive operator Optional stainless steel motor Visible Transmitter (Yisi) N/A Erry Analysis Erry Analysis Erry Analysis	Materials and Finishes		
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Full Load Amps 2.82 to 12.0 A Operator	Control Box		
	Standard Power Requirement	208-600 VAC, 1 or 3 PH, 60 Hz	
Disconnect Fuse: 20 A, Class K Service to control box supplied by others	Full Load Amps	2.82 to 12.0 A	Operator
	Disconnect	Fuse: 20 A, Class K	Service to control box supplied by others



TNR Industrial Doors | 200 Fairview Road, Unit 2 | Barrie, ON L4N 8X8 1-866-792-9968 | 705-792-9968 | tnrdoors.com