

Product Data Sheet

HD-CD 3025

HD SERIES Chain Drive Rubber Door



This high-speed, high-performance door system is particularly well suited for applications where high door speeds are required in openings that also experience very high traffic.

- The HD SERIES chain drive model HD-CD 3025 uses a high-performance helical gearhead operator and chain drive to open the door at up to 24 inches per second.
- This drive system is controlled by a programmable PLC and VFD with soft start and soft stop that provides smooth, quiet operation, reduced wear-and-tear and long life.
- The versatile PLC controller allows for easy addition of a wide range of activation and safety devices often required in high traffic door applications.
- Available for doors up to 20 ft wide and 30 ft high OR 25 ft wide and 22 ft high OR 30 ft wide and 17 ft high.

Technical Data	Imperial	Metric	Remark
Application	Interior / Exterior		
Speed	Opening up to 24 in/s Closing up to 12 in/s	Opening up to 0.61 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 6 ft 0 in up to 30 ft 0 in	Width 1.83 m up to 9.14 m	
	Height 6 ft 0 in up to 30 ft 0 in	Height 1.83 m up to 9.14 m	
Guide Track Profile	W x D (in)	W x D (mm)	Steel mount / Concrete mount
	5.25 x 9 9.25 x 9	133 x 229 235 x 229	
Roll Tube Diameter	8.625 in x 0.322 in thick wall	219 mm x 8 mm thick wall	Hollow core
Visible Material Height (Window Size)	16 in x 16 in, ½ in thick	406 mm x 406 mm, 3 mm thick	
Required Headroom	32.5 in / 37 in	826 mm / 940 mm	Opening height up to 17 ft (5185 mm) / Opening height over 17 ft (5185 mm)
Drive Mechanics	Chain drive operator		
Counterbalance System	Not Required		
Braking	Control box activated DC disc brake		Optional BMH brake rectifier for cold temperatures
Cycleability / Maintenance	Unlimited per day / Inspection every three months		
Safety Features	Integrated in-line light grid, manual chain hoist		
Resistance to Wind Load (Max per Door Width)	20 psf, windclass 5	98kg/m2 windclass 5	ANSI / DASMA 108-2002
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		
Manufacturer Warranty	Curtain - Limited lifetime Operator - 5 yrs. or 1 million cycles / General - 2 yrs.		Operator - 5 years or 1 million cycles

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Materials & Finishes	Description		Remark
Guide Tracks, Covers & Guards (Guides)	5 in (127 mm) aluminum extrusion		
Mounting Angles	Rollformed high strength galvanized steel, 10 gauge with gussets		
Roll Tube	Galvanized steel		
End Plates	Zinc dichormate plated steel		
Weather Seals	Self sealing rubber curtain / guides, EPDM loop seal on bottom bar, brush seal at lintel		
Curtain	Standard ¼" (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		
Electric Door Operator	HG helical gear high efficiency chain drive operator		
Control Panel	Standard separate control panel with VFD and PLC		Optional NEMA Type 4 or 4X (IP66) separate control box, contractors with relay logic or PLC
Hood and Motor Cover (Optional)	18 gauge galvanized steel		
Truss	Fabricated steel construction, painted		
Idler Barrel	Galvanized steel 6.25 in (159 mm) diameter x 0.157 in (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 & 3 hp (1.5 to 2.25 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 & 3 hp (1.5 to 2.25 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	3.2 to 8.0 A		Operator
Disconnect	Fuse: 20 A, Class K		Service to control box supplied by others



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