

Product Data Sheet

HD-DD-2555

HD SERIES

Features



Low headroom design of the standard direct drive rubber door while still maintaining the speed and durability of the direct drive system

- The HD-DD 2555 offers a 40% lower headroom alternative to the standard direct drive rubber door
- Available for doors up to 25 feet wide and 17 feet tall
- Springless direct drive system is simple to install, low maintenance while providing high-speed operation
- High cycle applications - up to 500 cycles per day
- A variable frequency drive (VFD) provides soft start and soft stop, ensuing smooth operation and extend life of the mechanical system

Technical Data		Remark	
Application		Interior / Exterior	
Speed	Opening	Closing	"up to" maximum speed for this model depending on door size
	55 in/s (1.4 m/s)	30 in/s (0.8 m/s)	
Control Box (W x H x D)		11.625" x 15.75" x 8.5" (295 mm x 400 mm x 215 mm)	
Roll-up Technology		Roll tube with precision-welded axles	
Door Construction	Size Range	6'-0" (1830 mm) up to 25'-0" (7620 mm) wide 6'-0" (1830 mm) up to 17'-0" (5182 mm) high	
	Guide Track Profile (W x D)	5.25" x 9" (140 mm x 230 mm) 9.25" x 9" (230 mm x 230 mm)	
	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		20" (508 mm)	
Drive Mechanism		Direct drive operator with manual chain hoist	
Counterbalance System		Not required	
Braking		Control box activated 24 VDC disc brake	
Cycleability / Maintenance		Up to 500 per day (size dependent) / 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)

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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	N/A	
Weather Seals	Self sealing rubber curtain/guides, EPDM loop seal on bottom bar, brush seal at drive barrel	
Electric Door Operator	DD direct drive operator	
Control Box	Smart Start™ NXT with VFD, powder coated enclosure	Optional Smart Start XL with heater / Optional stainless steel enclosure
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)	GFA Elektromaten 2.0 to 5 hp (1.5 to 3.75 kW) varies by door size	NEMA Type 3 / IP54
Operating Voltage	230-272 VAC, 3 PH, 60 Hz	Voltage dependant on door/operator size
Control Box	6.7 hp (5 kW) variable frequency drive rated for operator voltage	NEMA Type 4X / IP66, UL/CUL/CE Listed
Standard Power Requirement	208-600 VAC, 3 PH, 60 Hz	Buck-Boost transformers may be required at 208v, 50Hz available
Full Load Amps	7.6 to 12.4 A	Operator
Disconnect	Fuse: 20 A, Class K	Service to control box supplied by others



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