

Product Data Sheet

HD-DD 2555
HD SERIES



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, ensuring smooth operation and extend life of the mechanical system

Technical Data	Imperial	Metric	Remark
Application	Interior / Exterior		
Speed	Opening: 55 in/s Closing: 30 in/s	Opening: 1.40 m/s Closing: 0.80 m/s	
Control Panel	W x H x D (in) 11.625 x 15.75 x 8.5	W x H x D (mm) 295 x 400 x 215	
Roll-up Technology	Roll tube with precision-welded axles		
Size Range	Width 6 ft 0 in x 25 ft 0 in	Width 1.83 m x 7.62 m	
	Height 6 ft 0 in x 17 ft 0 in	Height 1.83 m x 5.18 m	
Mounting angle / Guide track Assembly Profile	W x D (in) 5.25 x 9 9.25 x 9	W x D (mm) 140 mm x 230 mm 230 mm x 230 mm	Steel mount Concrete mount
Roll Tube Diameter	8.625 in x 0.322 in thick wall	219 mm x 8.2 mm thick wall	
Visible Material Height (Window Size)	16 in x 16 in, ½ in thick	406 mm x 406 mm 3 mm thick	
Required Headroom	20 in	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 (Max per Door Width)	20 psf, wind class 5	1.0 kPa wind class 5	ANSI / DASMA 108-2002
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		
Manufacturer Warranty	Curtain - Limited lifetime Operator - 5 years or 1 million cycles / General - 2 years		Curtain - 10 years in Europe

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Materials & Finishes	Imperial	Metric	Remark
Guides	5 in aluminum extrusion guards	127 mm aluminum extrusion guards	
Mounting Angles	Rollformed high strength galvanized steel, 10 gauge with gussets		
Guide Guards	Rollformed high strength galvanized steel, 10 gauge		
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 drive barrel		
Curtain	Standard ¼ in Black SBR (Styrene-Butadiene Rubber)	Standard 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	DD direct drive operator		
Control Panel	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		
Truss	N/A		
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	GFA Elektromaten 2.0 to 5 hp (1.5 to 3.75 kW) varies by door size		NEMA Type 3 / IP54
Operating Voltage (Motor)	230 - 272 VAC, 3 PH, 60 Hz		Voltage dependent on door / operator size
Control Panel	6.7 hp (5 kW) variable frequency drive rated for operator voltage		NEMA Type 4X / IP66, UL/CUL/CE Listed
Standard Power Requirement (to Control Box)	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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