



High-Performance Rubber Doors

Door Solutions Design Guide

Tough and reliable for your challenging environments

HÖRMANN

Equipment Features

- = Standard
- = Optional
- = Unavailable

| | | |
|---|---|--|
| Door Model | | HD-HD 2565 Drive Economy |
| Suitable Application | | interior exterior |
| Maximum Size Range (ft) | | 25 w x 22 h |
| Operating Speeds | | |
| Maximum Opening Speed (in/s) | | Up to 65 |
| Approximate Closing Speed (in/s) | | Up to 29 |
| Minimum Required Headroom (in) | | |
| Minimum Headroom, doors up to 17 ft high (in) | | 25-1/2 |
| Minimum Headroom, doors over 17 ft high (in) | | — |
| Panel | | |
| Windlocks | | |
| Curtain Lok™ | | ● |
| Wind Load Protection - weighted bottom bar is standard on door width ≥ 12 ft (optional on door width < 12 ft) | | ○ |
| Resistance to Wind Load - Closed Position In-plant only | | 20 psf (88 mph) |
| Breakaway | | ● |
| Material | | |
| 1/4 in (6 mm) thick EPDM rubber (Blue or Grey) | | — |
| 1/4 in (6 mm) thick MSHA self-extinguishing rubber (Black only) | | — |
| Thermal Insulation | | Consult Factory |
| U-value - Imperial value (Metric value) | Imperial units = BTU/(hr x ft² x °F) Metric units = W/(m² x K) | |
| Vision Windows - 16 in x 16 in Maximum 1 window every 5 ft of door width | | ○ |
| Construction | | |
| Hood - Galvanized Steel | | ○ |
| Hood - Stainless Steel | | ○ |
| Guide Tracks (in) | | Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) |
| Protection Device | | Light Curtain |
| Warning Device - LED Lite Advance traffic light strip(s) | | ● |
| Operation | | |
| Drive | | Direct Drive - Springless |
| Counterbalance 100K cycle springs for door height < 22 ft Counterbalance 50K cycle springs for door height ≥ 22 ft | | |
| Electrical Requirements | | 3-ph 208 V to 575 V |
| Control Box | | Smart Start™ NXT NEMA 4X UL 3-ph |
| Emergency Opening | | |
| Hand Crank | | ● |
| Chain Hoist | | ○ |
| Warrenty | | |
| Coverage | | Limited Lifetime on NEWGEN® Guide & Curtain Lok™ 5 years on curtain materials. 5 years or 1 million cycles on operator with VFD |

| HD-DD 3065 Direct Drive | HD-DD 2555 Direct Drive Low Headroom | HD-CD 3025 Chain Drive | HD-M 1500 Sprung Drive Manual | HD-SD 3020 Sprung Drive Economy |
|--|--|--|--|--|
| interior exterior | interior exterior | interior exterior | interior exterior | interior exterior |
| 30 w x 20 h or 21 w x 30 h | 25 w x 17 h | 20 w x 30 h or 25 w x 25 h or 30 w x 17 h | 15 w x 15 h | 25 w x 30 h or 30 w x 20 h |
| Up to 65 Up to 30 | Up to 55 Up to 30 | Up to 25 Up to 12 | — — | Up to 20 Up to 18 |
| 32-1/2 37 | 20 — | 32-1/2 37 | 25-1/2 — | 32-1/2 37 |
| ● ○ | ● ○ | ● ○ | ● — | ● ○ |
| 20 psf (88 mph) | 20 psf (88 mph) | 20 psf (88 mph) | 20 psf (88 mph) | 20 psf (88 mph) |
| ● ○ ○ | ● ○ ○ | ● ○ ○ | ● ○ ○ | ● ○ ○ |
| 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ |
| Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) | Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) | Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) | Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) | Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) |
| Light Curtain | Light Curtain | Light Curtain | — | Light Curtain |
| ● | ● | ● | — | ● |
| Direct Drive - Springless | Direct Drive - Springless | Chain Drive - Springless | Counterbalance 25K Cycle Spring | Counterbalance 100K Cycle Spring Optional Counterbalance 200K Cycle Spring |
| 3-ph 208 V to 575 V | 3-ph 208 V to 575 V | 3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V | — | 3-ph 208 V to 575 V |
| Smart Start™ NXT NEMA 4X UL 3-ph | Smart Start™ NXT NEMA 4X UL 3-ph | NEMA 4 PLC and inverter drive, soft start / soft stop | — | NEMA 1 operator mounted control box with relay logic contactors |
| ○ | ○ | — | — | — |
| ○ | ○ | ● | ● | ● |
| Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD | Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD | Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD | Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD | Limited lifetime on NEWGEN® Guide & Curtain Lok™ and curtain material. 5 years or 1 million cycles on operator with VFD |

| HD-SD 3050 Sprung Drive High-Speed | HDLH Parking-Sprungless Extra Low Headroom | HDD Manual Sprung Dock Door | HDP Parking-Sprungless Low Headroom | HDXL Sprung Drive Extra Large Size |
|--|--|--|--|---|
| interior exterior | interior exterior | interior exterior | interior exterior | interior exterior |
| 25 w x 30 h or 30 w x 20 h | 25 w x 10 h | 10 w x 12 h | 25 w x 10 h | 47 w x 45 h |
| Up to 50 Up to 32 | Up to 30 Up to 20 | — — | Up to 30 Up to 20 | Up to 12 Up to 12 |
| 32-1/2 37 | 13 — | 19 — | 18 — | 42 — |
| ● ○ | ● ○ (windbar not available) | — — | ● ○ | ● — |
| 20 psf (88 mph) | 20 psf (88 mph) | 20 psf (88 mph) | Consult Factory | Consult Factory |
| ● ○ ○ | ● ○ ○ | ● ○ ○ | ● ○ ○ | ● ○ ○ |
| 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) | 1.36 (7.74) |
| ○ | ○ | ○ | ○ | ○ |
| ○ | ○ (standard if door height < 7'-7") | ○ | ○ (standard if door height < 7'-7") | ○ |
| ○ | ○ (standard if door height < 7'-7") | ○ | ○ (standard if door height < 7'-7") | ○ |
| Reinforced galvanized steel mounting angle, NEWGEN® guide & Curtain Lok™ system 5-1/4 w x 9 projection (without guide guard) 5-1/4 w x 9-3/4 projection (with guide guard) | Self-supporting steel mounting angle, NEWGEN® guide & Curtain Lok™ system 4 w x 7 projection (without guide guard) 4-1/2 w x 7-3/4 projection (with guide guard) | Self-supporting steel mounting angle, NEWGEN® guide & Curtain Lok™ system 4-1/2 w x 7 projection (without guide guard) 4-1/2 w x 7-3/4 projection (with guide guard) | Self-supporting steel mounting angle, NEWGEN® guide & Curtain Lok™ system 4 w x 6 projection (without guide guard) 4-1/2 w x 6-3/4 projection (with guide guard) | Self-supporting steel mounting tube, NEWGEN® guide & Curtain Lok™ system XL-6: 10-1/2 w x 10-3/4 projection XL-9: 8 w x 10-3/4 projection |
| Light Curtain | Pressure sensitive wireless reversing edge Thru-beam photoeyes | — | Pressure sensitive wireless reversing edge Thru-beam photoeyes | Push Button - Constant Pressure to Close |
| ● | ● | — | ● | ● |
| Counterbalance 100K Cycle Spring Optional Counterbalance 200K Cycle Spring | Helical Gear Head - Springless | Counterbalance 25K Cycle Spring | Helical Gear Head - Springless | Counterbalance 50K Cycle Spring |
| 3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V | 3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V | — | 3-ph 208 V to 240 V Optional 1-ph 208 V to 240 V Optional 3-ph 460 V to 600V | 3-ph 208 V to 575 V |
| NEMA 4 PLC and inverter drive, soft start / soft stop | NEMA 4 PLC and inverter drive, soft start / soft stop | — | NEMA 4 PLC and inverter drive, soft start / soft stop | NEMA 4 PLC and inverter drive, soft start / soft stop |
| — | — | — | — | — |
| ● | ● | ● | ● | ● |
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High-Performance Rubber Models

Built on a legacy

Built on a 20-year legacy started by TNR Industrial Doors, Hörmann is proud to offer our HD SERIES rubber doors as solutions for the harshest, most demanding door openings. Design fundamentals have been the key to success and are now carried forward into the latest rubber door models that Hörmann is bringing to market.

Rubber doors were first introduced to the mining industry and since then have become a staple in other extremely rugged applications such as pulp and paper operations, transportation and railway service, parking and waste management. Other applications for rubber doors include parking garages and blast freezers.

Models for Extra-Large Door Openings

The extra-large, model HDXL rubber doors are available up to 47 feet wide or 45 feet high.

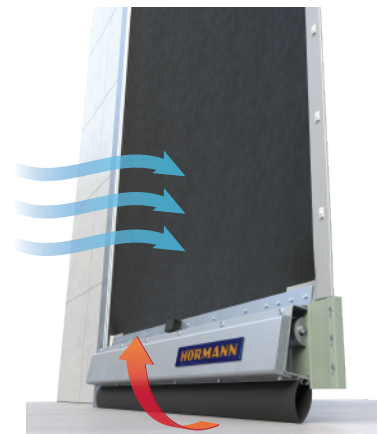
Our standard SBR flexible rubber curtain withstands large pressure differentials caused by wind and HVAC equipment on the extra-large door surface area.

The model HDXL9 is bigger, heavier, and stronger than all other rubber doors with components such as: 6" guides instead of 5"; mounted using 8" x 6" steel tube instead of a mounting angle; and a heavier 8" tall steel tube bottom bar construction further strengthened with ribbed aluminum extrusion reinforcements.



Patented Pivoting Bottom Bar

In addition to effectively closing extremely large openings, our patented pivoting bottom bar assembly allows the bottom bar to pivot when the curtain is exposed to high wind load or positive pressure. The door easily cycles without binding in the guides or excessive wear.



Smart Options

Heavy-duty EPDM rubber curtain, epoxy paint, and stainless steel fasteners are recommended options for corrosive areas like waste management buildings. Our WideScan laser sensor is a reliable, modern activation with fewer false activations than motion or presence sensors, photoeyes, or ground loops.

HÖRMANN NORTH AMERICA



Sparta, TN - North American Headquarters / Sectional Doors

FIVE PRODUCTION PLANTS, ONE FAMILY



Puyallup, WA - Sectional Doors



Montgomery, IL - Sectional Doors



Barrie, ON Canada - High Performance Doors



Burgettstown, PA - High Performance Doors

As one of the world's leading manufacturers of doors we're committed to providing the best quality, value, and selection. Whether residential, commercial or industrial, we have the door you're looking for. Each Hörmann product gives you the perfect array of benefits and options to satisfy your customers.

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