



800/800C ADV

HIGH TRAFFIC SOLUTION WITH LASTING DURABILITY



WAYNE DALTON COMMERCIAL DOORS

800/800C ADV Advanced Rolling Door System

In today's marketplace, security and low maintenance are key to business survival in an increasingly competitive environment. To assist your business in driving these key initiatives, Wayne Dalton provides an Advanced Performance solution as an option to create a high performance environment.

The Wayne Dalton Advanced Rolling Door is two times faster than a standard sectional door and three times faster than a standard rolling door. This door provides speed in operation as well as lasting durability to make it your top choice for an Advanced Performance Door option.

- RATED FOR DESIGN PRESSURE OF +/- 20 PSF
- THREE TIMES FASTER THAN A STANDARD ROLLING STEEL DOOR; TWO TIMES FASTER THAN A STANDARD SECTIONAL DOOR
- OPENING SPEED OF 20" PER SECOND, CLOSING SPEED OF 12" PER SECOND
- SPRINGLESS DESIGN PROVIDES SMOOTH, RELIABLE, HIGH-CYCLE OPERATION



Standard Features Overview

| | |
|-----------------------|--|
| Mounting | Interior/exterior face of wall |
| Curtain | 800: 3" flat slats (#14 profile), hardened powder coat (gray, beige, white) 22 ga. steel with alternating endlocks. 800C: 3" insulated flat slats (#34 profile), hardened powder coat (gray, beige, white) 22 ga. steel front / 24 ga. steel backer with alternating endlocks. R-value* of 7.7; Sound Transmission Class rating of 22 |
| Max Width | 20' |
| Max Height | 20' |
| Bottom Bar | Consists of two equal angles, 0.12 inch min. thickness, with 2-wire, self-monitoring, fail safe, electric sensing edge. Factory painted black |
| Guides | Three angle guide assembly; black |
| Door Roll | Springless roll (steel tube with integral shafts, keyed on the drive end, supported by self-aligning greaseable sealed bearings). Door shall not require any counterbalance device |
| Hood (Round) | 24 gauge steel galvanized (gray, beige, white) |
| Motor | Direct drive, hypoid gear motor/brake assembly Manual hand crank for power outages Opening speed: 20 inches per second Closing Speed: 12 inches per second |
| Control Panel | Electronic VFD* Controller with microprocessor self-diagnostics. Enclosure is NEMA 4X rated |
| Actuators | Loop detectors, radio control, interior and exterior push buttons, interior and exterior key switches, motion detectors, warning light, horns and strobes, second set of photoelectric sensors |
| Safety Devices | Photoelectric sensors, self-monitoring 2-wire, electric fail-safe sensing edge, the drop stop device which eliminates uncontrolled curtain travel independent of other safeties |
| Wind Load | +/- 20 psf standard; not available with optional high usage guide weatherstrip |
| Warranty | 60 month limited warranty on door system |

Options

- Flat insulated or non-insulated slat profile in a variety of gauges.
- Vision/ventilation: 5"x3/4" open fenestration; 5"x3/4" acrylic vision lite.
- Perimeter seals: surface guide weatherstrip, angled guide brush seal, exterior lintel weather seal, interior weather baffle, high usage guide weatherstrip (do not select if wind load is required).
- Wind load: minimum of +/- 20 psf up to +/- 55 psf; options available to meet up to Dade County – Florida Building Commission High Velocity Hurricane Zone.
- Custom color options.

*Wayne Dalton uses a calculated R-value for our insulated doors.
**VFD: Variable Frequency Drive.

Safe and Secure

Wayne Dalton has designed the Advanced Rolling Door System with safety and security in mind. This system comes standard with enhanced safety devices such as the drop stop device, bottom sensing edge and photo eyes. Designed for security, the curtain material is composed of interlocking metal slats, not fabric and the weight of the door coupled with the gearbox or motor brake helps deter the door from being pried open.

Enhanced Productivity, Low Maintenance

The Advanced Rolling Steel Door System is two times faster than a standard sectional door and three times faster than a standard rolling door.

Not only is the door faster, there is lower maintenance time spent in the upkeep of the door. The direct drive heavy-duty gear box motor assembly requires minimum maintenance unlike conventional chain and sprocket system. Innovative springless design creates a door without a single spring to replace. The new VFD** system operates on a soft start and stop to hinder wear and tear on the system.

Non resettable cycle counter tracks and displays total cycles the door has accumulated for warranty and service, no more guessing on when the door will need maintenance. An LCD plain text read-out on the control panel indicates door actions, alarm and fault conditions in a user friendly language to easily identify actions or maintenance needed. These advanced diagnostics are used for fast and easy set up and trouble shooting.

Durable

This door comes standard with high wear resistant powder coat technology as well as door and guide construction that is rated for design pressure of +/- 20 psf. The Advanced Rolling Door System has a 60 month limited warranty that will help you achieve the peace of mind that your door will perform as promised.

Application

Ideal applications are high cycle or high traffic areas such as public and government buildings, parking garages, police sally ports, auto dealerships, warehouses, industrial manufacturing facilities, shipping and receiving docks, airports and hospitals.

Contact your local Wayne Dalton dealer to see how the 800/800C ADV doors can provide a cost effective advanced performance solution.

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Advanced Rolling Doors that combines the security of regular rolling steel doors with low maintenance and high cycles of high performance doors.



1 Standard Drop Stop Device

Secondary safety to prevent curtain from uncontrolled travel. This device is resettable.



2 Springless Barrel Design

Springless high cycle design allows for the door system to be opened and closed frequently creating asset longevity and reliable performance over extended time without having to incur the cost of spring replacement.

3 Heavy-Duty Commercial Photo Eyes

Photoelectric sensors reverse the downward motion of the door when a person or object enters its path.



4 Direct Drive Heavy Duty Gearbox and Motor

Ideal for high cycle applications.

No drive chain and sprocket to adjust and maintain.

5 Standard Fail-Safe Bottom Safety Edge

Self-monitoring, electric fail-safe sensing edge reverses downward motion upon impact.

6 NEMA 4X Control Panel with Built-In Variable Frequency Drive

Allows door to close at a slower speed than it opens to meet safety requirements.

LCD readouts indicate door actions, alarms and fault conditions. Timer to close programming options and non-resettable cycle counter are included for maintenance and service reminders.





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A D V A N C E D R O L L I N G D O O R S Y S T E M

Applications where the Advanced Rolling Door System is best suited

Ideal applications are high cycle or high traffic areas such as public and government buildings, parking garages, police sally ports, auto dealerships, warehouses, industrial manufacturing facilities, shipping and receiving docks, airports and hospitals.



Warehouses, industrial manufacturing facilities



Parking garages



Airport

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