

# MODELS 800 HC/800C HC

HIGH CYCLE ROLLING SERVICE DOORS



Model 800C HC, Gray finish, 18' x 10'

## HIGH CYCLE SOLUTION FOR HIGH TRAFFIC AREAS

Models 800 HC and 800C HC offer the safety and security of a rolling service door, with the added benefit of a cycle life 25 times more than our standard service door and the ease of maintenance that comes with an innovative springless design.

With a 500,000 cycle life, Models 800 HC and 800C HC are ideally suited for applications requiring a strong and durable rolling service door. These doors offer a variety of insulation, air flow and weather seal options.

- » RELIABLE SPRINGLESS DESIGN
- » MINIMIZED DOWNTIME
- » EXTENDED CYCLE LIFE OF 500K
- » 3-YEAR LIMITED DOOR SYSTEM WARRANTY
- » WIND LOAD UP TO +/- 55 PSF

# MODELS 800 HC/800C HC

## STANDARD FEATURES OVERVIEW

### THERMAL EFFICIENCY

R-VALUE*	7.71
U-VALUE*	.13
STC RATING	22

### CONSTRUCTION

<b>MOUNTING</b>	Interior/exterior face-of-wall
<b>CURTAIN</b>	800 HC: 3" flat slats (#14 profile), 22-gauge galvanized steel 800C HC: 3" insulated flat slats (#34 profile), 22-gauge galvanized steel front/24-gauge galvanized steel backer
<b>CURTAIN FINISH</b>	Gray, White, Beige or Brown primed finish
<b>MAX HEIGHT</b>	20' (6,096 mm)
<b>MAX WIDTH</b>	20' (6,096 mm)
<b>BOTTOM BAR</b>	Two primed angles with weatherstrip; factory black
<b>GUIDES</b>	Three angle guide assembly; factory painted black
<b>COIL ASSEMBLY</b>	Direct drive, springless barrel assembly with integrated shafts, supported by self-aligning greaseable sealed bearings. Counterbalance device not required
<b>HOOD</b>	24-gauge steel with primed finish to match curtain
<b>MOTOR</b>	Direct drive integrated motor/gearbox/brake assembly with hand chain for power outage. Horsepower appropriate to door size/weight; 230 VAC 3-phase motor (voltage/phase options below)
<b>CONTROL PANEL</b>	Electronic controller with micro-processor self-diagnostics. Digital readout, time delay self-close timer and non-resettable cycle counter. Enclosure is IP54 rated (NEMA 3 equivalent)
<b>SAFETY DEVICES</b>	Built-in brake mechanism, photoelectric sensors with commercial grade guards, motor cover
<b>ACTUATOR</b>	Single open/close/stop push button station incorporated into control panel
<b>WIND LOAD</b>	+/- 20 psf standard

### WARRANTY

<b>TERMS</b>	Three (3) year; 500,000 cycle limited warranty
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### OPTIONS

- Operation: 220/240 VAC 1-phase (limited size availability); 460 and 575 VAC 3-phase
- Control Panel: IP65 (NEMA 4/4X equivalent)
- Slats in a variety of gauges; galvanized steel, stainless steel #4 and aluminum
- Finishes: powder coat, hardened powder coat, G-90 galvanized, aluminum: mill, clear or bronze anodized
- 5" x 3/4" open fenestration; acrylic vision lite
- Perimeter seals: guide weatherstrip, guide brush seal, exterior lintel seal, interior baffle
- Fascia, back hood, sloped hood, sloped bottom bar
- Actuators: extra set of photo eyes, sensing edge, push buttons, loop detectors, radio control, motion detector, fixed or dual frequency receivers, transmitters
- Wind load up to 55 +/- psf, options available to meet Dade County - Florida Bldg. Commission High Velocity Hurricane Zone

\*Wayne Dalton uses a calculated R-value and U-value for our insulated doors.

## MATERIALS AND CONSTRUCTION

Models 800 HC and 800C HC come standard with enhanced safety devices such as the built-in braking mechanism that protects against uncontrolled curtain travel and photoelectric safety sensors for obstruction monitoring during door operation.

Designed for security, the curtain material is composed of interlocking metal slats, the weight of the door coupled with the motor/gearbox/brake assembly helps deter the door from being pried open.

The direct drive, heavy-duty gearbox motor assembly requires less maintenance than a conventional chain and sprocket system. An innovative springless design creates a door without a counterbalance spring system to replace, for lower maintenance in the field and long-lasting durability.

A non-resettable cycle counter tracks and displays total cycles for warranty and service. A digital display on the control panel indicates door actions, alarm and fault conditions.

The time delay self-close timer is an on-board feature as well as an open/close/stop/push button station integrated in the control panel cover.

### FINISH OPTIONS



White



Gray



Beige



Brown

Approximately 200 RAL powder coat finishes also available



Actual colors may vary from brochure due to fluctuations in the printing process. Always request a color sample from your Wayne Dalton dealer for accurate color matching.

# HIGH CYCLE ROLLING SERVICE DOORS

## DOOR FEATURES

### 1 Springless barrel design

Springless, high cycle design allows for the door system to be opened and closed frequently, creating asset longevity, maximum uptime and reliable performance over extended time eliminating spring replacement cost and inconvenience.

### 2 Heavy-duty commercial photo eyes

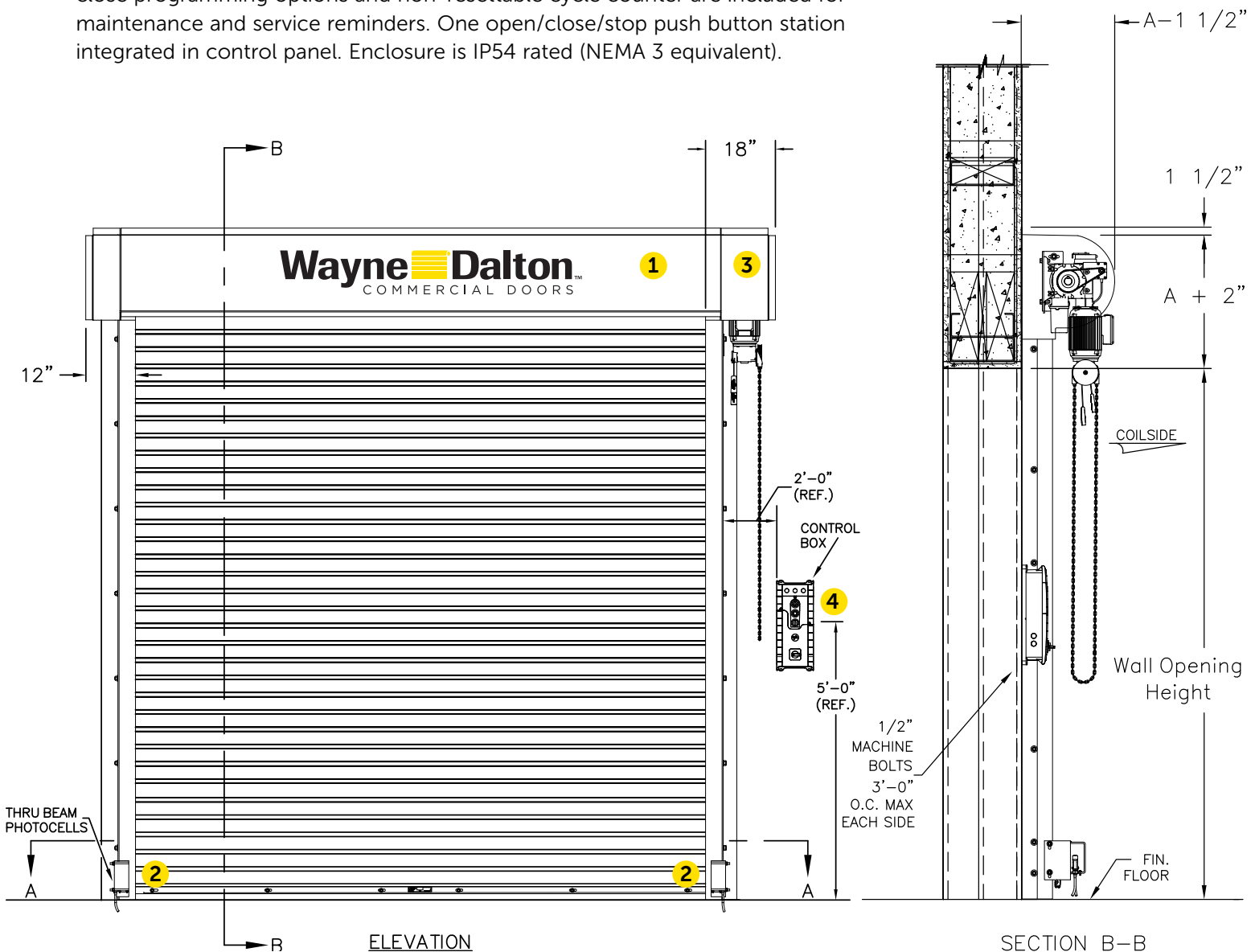
Photoelectric sensors reverse the downward motion of the door when a person or object enters its path.

### 3 Direct drive heavy-duty gearbox and motor with built-in braking device

Ideal for high cycle applications. No drive chain and sprocket to adjust and maintain. Built-in braking mechanism protects against uncontrolled travel. Manual hand chain override for door operation during power loss.

### 4 Control panel

Digital 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. One open/close/stop push button station integrated in control panel. Enclosure is IP54 rated (NEMA 3 equivalent).



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## Architect Resource Center

Visit [wayne-dalton.com/architect-resource-center](http://wayne-dalton.com/architect-resource-center) to find our Architect Resource Center. In this tool, you will quickly find all of the specifications, drawings and documents you need to complete your project.

**Wayne Dalton**  
COMMERCIAL DOORS

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