

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

MOUNTING	Interior/exterior face-of-wall
CURTAIN	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
CURTAIN FINISH	Gray, White, Beige or Brown primed finish
MAX WIDTH	30' (9,144 mm)
MAX HEIGHT	20' (6,096 mm)
BOTTOM BAR GUIDES	Two primed angles with weatherstrip; factory black Three angle guide assembly; factory painted black
COIL ASSEMBLY	Direct drive, springless barrel assembly with integrated shafts, supported by self-aligning greaseable sealed bearings. Counterbalance device not required
HOOD	24-gauge steel primed and painted white, gray, or beige
MOTOR	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)
CONTROL PANEL	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)
SAFETY DEVICES	Built-in brake mechanism, photoelectric sensors with commercial grade guards, motor cover
ACTUATOR	Single open/close/stop push button station incorporated into control panel
WIND LOAD	+/- 20 psf standard

WARRANTY

TERMS	36 Months; 500,000 cycle limited warranty
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OPTIONS

- Operation: 208V AC 1PH[†], 230V AC 1PH, 460V AC 3H, or 575V AC 3PH[†]. Horse power is appropriate to size and weight of door. (†requires stand-alone mounted transformer)
- 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.

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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

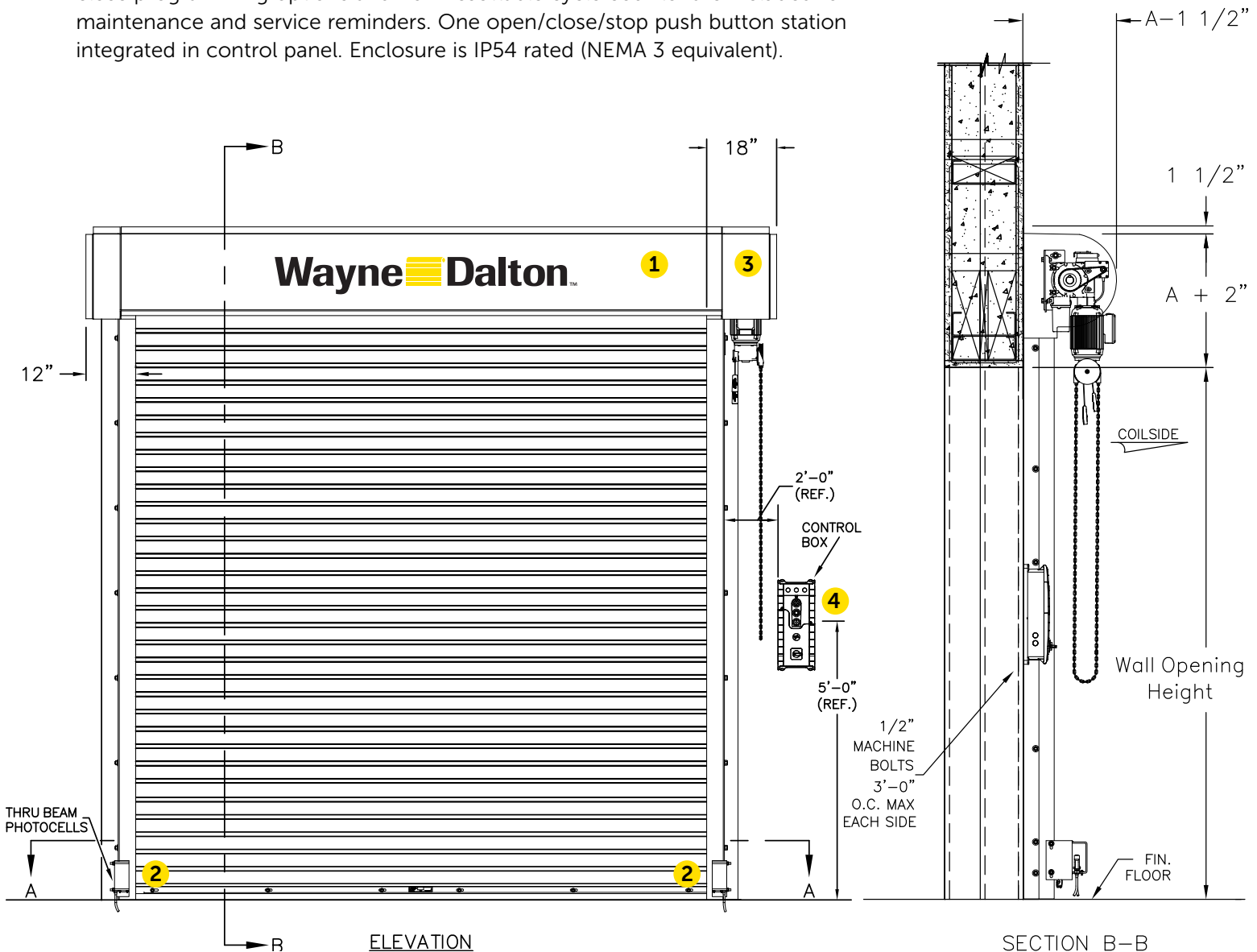
Photoelectric sensors reverse the downward motion of the door when a person or object enters its path.

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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Wayne Dalton
COMMERCIAL DOORS

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