



MODEL 3603



FEATURES

Model 3603

The premium Model 3603 is for commercial and industrial facilities where temperature control, energy-efficiency and durability considerations are all important.



Rustproof

Panels are pre-painted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat, to provide the most rust-resistant steel door available. Ten year warranty against rust-through.



Ribbed Panel Design

- Full 1-3/4" thick sandwich construction consisting of exterior and interior steel skins filled by foamed-in-place polyurethane foam.
- Both steel skins to be separated by a vinyl thermal break.
- Clopay's three stage prepainting process is inside and out for a durable, maintenance-free finish.
- Stucco embossed exterior steel skin with micro-grooved ribs.
- Foamed-in-place polyurethane; R value of 15.05, Sectional U value of .066.



Quality Assurance – Doors shall be insulated steel sectional overhead type as manufactured for Clopay Building Products. Each door is provided as one complete unit including sections, brackets, tracks, counterbalance mechanisms, hardware (list options) to suit the opening and headroom available. Standard maximum size is 26'2" wide x 20' high.

Materials and Construction – Sections shall be 1-3/4" thick sandwich construction consisting of exterior and interior steel skins filled by foamed-in-place polyurethane foam. Both steel skins to be separated by a continuous foam thermal break. Section warranted against delamination for 10 years. Steel skins shall be roll formed commercial quality hot-dipped galvanized per ASTM A-294, A-653, phosphate coated, prepainted with primer and baked-on polyester top coat. Door sections constructed of .0175" min. (26 gauge) exterior and .0175" min. (26 gauge) interior skins. To be stucco emboss texture exterior and interior with .040" minor rib, 4" or 5" on center. End stiles shall be .058" (16 gauge) galvanized with a vinyl thermal break between the end stile and the exterior steel skin. All stiles are engineered for easy hardware attachment through prepunched holes, double end stiles as required. Dual continuous hinge back-up strip, prepunched for hinge attachment. Full length vinyl astragal retainer with U-shaped flexible PVC vinyl. Section joint to form weathertight tongue and groove joint. High density plastic step plate/lift handle provided on bottom section.

Energy Values – Section: U = .066; R = 15.05; Installed tested R = 6.97*

Finish – The section exterior and interior is prepainted steel consisting of a hot-dipped galvanized coating applied to the base metal. A phosphate treatment is applied before a baked-on primer. This prime coat is finished with a polyester coat for rust protection. The interior portion of the skin that is adhered to the polyurethane foam is a baked-on coating. Doors are available in white or brown exterior finish. FINISH GUARANTEED AGAINST RUST-THROUGH FOR A FULL TEN (10) YEARS.

Hardware – All hinges and brackets to be manufactured of hot-dipped galvanized steel, 14 gauge minimum. Ten ball steel rollers to be full floating ball bearing in case-hardened steel races, mounted to fit the taper of the track.

Tracks – 2" or 3" track. Vertical tracks to be minimum of 16 gauge galvanized steel tapered and mounted for wedge type closing. Horizontal tracks to be minimum 14 gauge galvanized steel, reinforced with minimum 13 gauge galvanized steel angles as required. 3" track is 12 gauge.

Spring Counterbalance – Door assembly to be operated by a torsion spring counterbalance mechanism with a helically wound, oil tempered torsion spring mounted on a galvanized steel tube or solid steel shaft as required. Cable drums are die cast aluminum with high strength galvanized aircraft cable with minimum 7 to 1 safety factor.

Locking – Inside spring loaded slide bolt lock on end stile shall engage slot in track.

Wind Loading – Contact factory for specific wind load requirements.

*Testing done by Architectural Testing, York, PA.

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OPTIONS

- A. Glazing** – 24" x 8" or 24" x 12" window lites of cellular PVC frame construction: 3/4" insulated glass. Full vision section, prepainted white or brown; glazing options include 1/8" DSB, 1/8" plexiglass, 1/4" wire or tempered glass, and 7/16" insulated glass.
- B. High Cycle Spring** – Available in 25,000; 50,000; or 100,000 cycle.
- C. Track** – Vertical lift, high lift, follow the roof slope and low headroom track available, 2" or 3" as required.
- D. Weatherstripping** – Complete perimeter seals available in various materials.
- E. Locking** – Five pin cylinder lock with outside key, 16-1/2" lock bar.
- F. Mullions** – Carry away (2") up to 14' high, roll-away up to 14' high, and swing-up available. (consult factory)
- G. Pass Door** – See Model 3602 for pass door option.
- H. Installation** – Install door including sections, brackets, guides, tracks, etc. in accordance with final shop drawings (if required) and instructions by Clopay Building Products Company.

WINDOW OPTIONS (24" x 8" or 24" x 12" Windows)

Door Width	Max Number of Window Lites
Up to 9'2"	2
9'4" to 12'2"	3
12'3" to 16'2"	4
16'4" to 20'2"	5
20'4" to 24'2"	6
24'4" to 27'2"	7

SECTION ARRANGEMENT

Door Height	Number of Sections
6'3" to 8'0"	4
8'3" to 10'0"	5
10'3" to 12'0"	6
12'3" to 14'0"	7
14'3" to 16'0"	8
16'3" to 18'0"	9
18'3" to 20'0"	10

