JANUS INTERNATIONAL GROUP

SPECIFICATIONS 08330

600 Series – Insulated Rolling Steel Door Foamed in Place Urethane (FIP)

PART 1 – GENERAL

1.01 DESCRIPTION
A. Type: Insulated Doors to be manufactured by Janus**.**
B. Operation: standard chain hoist operated using gear reduction, motor operation optional.
C. Mounting: to be interior face mounted on a prepared opening, between jamb under lintel, between jamb face of wall or exterior. **1.02 RELATED WORK**

A. Opening preparation, access panels, finish or field painting are in the scope of the work of other sections or trades.

PART 2 - PRODUCT

2.01 CURTAIN

A. Slats: galvanized steel cold roll formed in continuous lengths. Galvanized according to A.S.T.M. A653- and finished with baked epoxy primer and baked polyester topcoat.

Model 622 - 22 gauge (front) and 24 gauge (back) up to 24' (7.32m) wide x 16' (4.88m) high
Model 620 – 20 gauge (front) and 24 gauge (back) up to 26' (7.92m) wide x 26' (7.92m) high or 32' (9.75m) x 20' (6.1m) Model 618 – 18 gauge (font) and 24 gauge (back) up to 26' (7.92m) wide x 26' (7.92m) high or 31' (9**.**45m) x 24' (7.32m)
Note 1: *For larger sizes not listed please contact customer service*

B. Endlocks / Windlocks: each end of alternate slats to be fitted with endlocks to provide a wearing surface in the guides and to maintain slat alignment, Fastened with 1/4" rivets.
C. Windload (standard): door construction designed to meet or exceed a windload of 20 PSF or 90 M.P.H. Consult factory for available sizes. Optional Windload-
1.Windload Certified
2.Impact Rated
D. Bottom Bar: curtain to be reinforced with a bottom bar consisting of two steel angles bolted back-to-back with bottom astragal, painted black (powder coat optional).
E. Insulation:
1. to be ¾" foamed in place urethane (FIP) to flat slat. (R = 7.2 and U = .139)

F. Vision Lites: (Optional): 5" x ¾"

2.02 BARREL ASSEMBLY

A. Barrel: to be a steel pipe of diameter and wall thickness to restrict maximum deflection to .03" per foot (2.5 mm/m) of **door** width.
B. Springs: to be oil tempered, grease packed helical torsion type designed to cycle 25,000 times. Springs are to be mounted on a cold rolled steel inner shaft. Optional 50,000 or 100,000 cycle springs. Cycle countered required for warranty.
C. End Bearing: to be self-lubricating ball bearings or oil impregnated bronze bushings.
2.03 BRACKET PLATES

A. Bracket Plates: to be 1/4" (6.35mm) minimum thickness steel plate and enclose ends of barrel assembly.
B. Drive End Bracket Plate: to be fitted with a self-aligning sealed ball bearing.

2.04 OPERATION

A. Chain Hoist: to consist of roller chains and sprockets.
B. Hand Chain: to be galvanized machine link. Pull not to exceed 35 lbs. (156 N).
C. Electric Motor Operation: to be front of hood mount or wall mounted.

2.05 GUIDE ASSEMBLY

A. Wall Angles: to be 3/16" (4.76mm) minimum thickness structural steel angles.
B. Guides: to be structural steel angles 3/16" (4.76mm) minimum thickness with removable headstops and 30”(762mm) service cutout on both sides.
C. Guide Depth: to provide slat penetration adequate to satisfy specified windloading**.**
D. Weather Seal: non-coil side to be clip on vinyl weather seal (optional aluminum retainer with brush seal).
E. Air Infiltration Kit (optional): meets ASHRAE 90.1 and IECC 2022 air infiltration requirements with an independently tested value of less than 0.4 CFM/ft2 and 1.0 CFM/ft2 respectively.

2.06 HOODS

A. Hoods: to be 24 gauge galvanized steel with baked epoxy primer and baked polyester top coat and enclose coil. 8” P.V.C. baffle to be riveted to inside of hood.
B. Reinforcing: to be 1/4" (6.35mm) thick steel brackets for doors over 16'0" (4877mm) wide.

2.07 LOCKING

A. Hand Chain Lock: lockable bracket, mounted on guide angle or wall, suitable for padlocking (padlock by others).

2.08 FINISH

A. Ungalvanized Surfaces: to be shop coated with rust reducing black prime paint, except malleable Endlocks. **Curtain finish options:**
1. Satin White topcoat
2. Gray topcoat
3. Tan topcoat
4. Galvanized

PART 3 - EXECUTION

3.01 INSTALLATION

A. Installation: to be by an authorized representative according to Janus standards and instructions.