### Architectural Details

**Grand® Automatic Series 9630**  
Type: 3-Wing with Round Drum (page 1 of 3)

**Installation and Operation**

- Door unit is surface mounted to finish floor (floor not to exceed 1/4" out of level). Unit is free-standing with no additional support required.

- Drum can be center connected to adjacent construction or throat connected (at entry vertical rails) (see p.F1.1). Allow 1/4" shim space each side & at canopy. Adjacent construction not to bear down on revolving door.

- Motion sensors at each entry start wing rotation on user approach at 3-5 RPM. Push plates mounted at each side of entry slow door to 1-3 RPM for slower traffic.

- Electrical: Provide 120 VAC, 15 amp service on a dedicated 20 amp circuit breaker routed to power operator mounted within the enclosure canopy.

### Options

- Custom ceiling height up to 8' 0".
- Extended or cropped canopy.
- Aluminum roof.
- Custom anodized or paint finish.

For more standards & options see Architectural Specs (p.F7.0) and Spec Details (p. F3.0).

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**standard packages**

<table>
<thead>
<tr>
<th>Nominal Outside Diameter</th>
<th>Inside Diameter</th>
<th>Entry</th>
<th>Clear Access at Door Wing</th>
<th>Rough Opening Width (at Canopy) x Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>12'-0&quot; (3658)</td>
<td>11'-8 1/2&quot; (3569)</td>
<td>5'-1 5/8&quot; (1565)</td>
<td>3'-0 1/4&quot; (921)</td>
<td>12'-1&quot; (3683) x 9'-0 1/4&quot; (2750)</td>
</tr>
<tr>
<td>14'-0&quot; (4267)</td>
<td>13'-8 1/2&quot; (4173)</td>
<td>6'-1 5/8&quot; (1870)</td>
<td>4'-0 1/4&quot; (1226)</td>
<td>14'-1&quot; (4293) x 9'-0 1/4&quot; (2750)</td>
</tr>
<tr>
<td>16'-0&quot; (4877)</td>
<td>15'-8 1/2&quot; (4788)</td>
<td>7'-1 5/8&quot; (2174)</td>
<td>5'-0 1/4&quot; (1530)</td>
<td>16'-1&quot; (4902) x 9'-0 1/4&quot; (2750)</td>
</tr>
</tbody>
</table>

**Overall Unit Height:** 9'-0" (2438), **Ceiling Height:** 7'-0" (2134), **Canopy Height:** 24" (610).

**Glazing:** Standard wing prep'd for 1/4" (6) glass. Glass provided by others. Standard drum provided with 7/16" clear laminated curved glass.

**Anodized Finish:** Clear or Dark Bronze

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For Horizontal Sections see F2.16 (page 2 of 3).

For Vertical Sections see F2.17 (page 3 of 3).

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Horton Automatics reserves the right to alter its product and specifications without notice. Dimensions given in U.S. inches followed by millimeters in parenthesis.
Circle Joint
1" (25)

2" (51) Dia. Steel Center Shaft with 1/16" (2) Aluminum Sleeve

1" (25)

1/2" (13) 3 3/4" (95)

Corner Detail at Closer

1/2" (13) 3 3/4" (95) 1"

Finish Floor

Bottom Bearing Within Core

Display Core, Door Wing and Drum - Horizontal Section

Door wings can be collapsed for Emergency Egress after power is released from magnetic lock. Electromagnets hold wings in locked positions under normal conditions with 1000 lbs. min. force.

For Elevation & Floor Plan see F2.15 (page 1 of 3).

For Vertical Sections see F2.17 (page 3 of 3).

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Display Core
Access Panel
Vertical Section