

BoonAssist Crystal



The first of its kind to deliver power assist, speed control and positioning in one premium package, BoonAssist Crystal manual revolving door delivers a remarkable user experience. This virtually transparent revolving door is constructed from glass with only the most minimal stainless steel frame for a striking entry to any building. An optional remote locking feature allows the door to be locked in the event of an emergency at the push of a button. BoonAssist Crystal is ideal for office buildings, restaurants, hotels and retail stores.

Power Assist for Effortless Entry

A low energy motor enables hands-free operation after a gentle push.

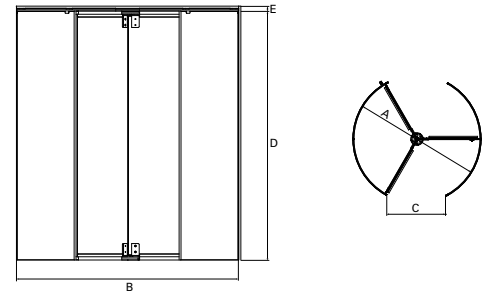
Speed Control for Safe Entry

Ensures door wings move gracefully and predictably, always in control.

Positioning / Quarterpointing for Intuitive Entry

Door wings stop in just the right position, creating a natural path for the next user and maximum restriction of air infiltration from the outdoors.





Dimensions and Specifications

| A Diameter | Capacity / Minute | # of Door Wings | B Instal- lation Width | C Throat Opening | D Height Under Ceiling | E Glass Ceiling Thickness |
|---------------|----------------------|--------------------|---------------------------------|------------------------|---------------------------------|------------------------------------|
| 6' 6" | 2x 20-25 | 4 | 6' 8" | 4' 5-5/8" | 7' 0"-10' 0" | 11/16" |
| 7' 0" | 2x 20-25 | 3 | 7' 2" | 3' 4" | 7' 0"-10' 0" | 11/16" |
| 7' 0" | 2x 20-25 | 4 | 7' 2" | 4' 9-3/4" | 7' 0"-10' 0" | 11/16" |
| 7' 6" | 2x 20-25 | 3 | 7' 8" | 3' 6-3/4" | 7' 0"-10' 0" | 11/16" |
| 7' 6" | 2x 20-25 | 4 | 7' 8" | 5' 1-7/8" | 7' 0"-10' 0" | 11/16" |
| 8' 0" | 2x 20-25 | 3 | 8' 2" | 3' 9-5/8" | 7' 0"-10' 0" | 11/16" |
| 8' 0" | 2x 20-25 | 4 | 8' 2" | 5' 6" | 7' 0"-10' 0" | 11/16" |
| 8' 6" | 2x 20-25 | 3 | 8' 8" | 4' 1/2" | 7' 0"-10' 0" | 11/16" |
| 8' 6" | 2x 20-25 | 4 | 8' 8" | 5' 10-1/8" | 7' 0"-10' 0" | 11/16" |
| 9' 0" | 2x 20-25 | 3 | 9' 2" | 4' 3-3/8" | 7' 0"-10' 0" | 11/16" |
| 9' 0" | 2x 20-25 | 4 | 9' 2" | 6' 2-1/4" | 7' 0"-10' 0" | 11/16" |
| 9' 6" | 2x 20-25 | 3 | 9' 8" | 4' 6-1/4" | 7' 0"-10' 0" | 11/16" |
| 9' 6" | 2x 20-25 | 4 | 9' 8" | 6' 6-1/2" | 7' 0"-10' 0" | 11/16" |
| 10' 0" | 2x 20-25 | 3 | 10' 0" | 4' 9-1/8" | 7' 0"-10' 0" | 11/16" |
| 10' 0" | 2x 20-25 | 4 | 10' 0" | 6' 10-5/8" | 7' 0"-10' 0" | 11/16" |

*For doors with a diameter of 7'6" and greater, please consult with our design experts

Features and Options

| Characteristics | Standard | Option |
|--|----------|--------|
| Power assist and speed control | • | |
| Positioning / quarterpointing | • | |
| Floor mounted drive & control box* | • | |
| Stainless steel #4 brushed finish | • | |
| Surface-applied slidebolt locks | • | |
| Vertical pushbars | • | |
| Horse-hair or rubber felt weather stripping | • | |
| Floor-mounted locks | • | |
| Floor frame / matwell ring | • | |
| Conforms to UL standard 325 | • | |
| Certified to CSA standard C22.2 | • | |
| Low iron glass | | • |
| Emergency and remote locking | | • |
| Electric winglocking | | • |
| Herculite-style door wings | | • |
| Extended keyhole connections to building opening | | • |
| One-piece laminated sidewall & glass ceiling | | • |
| Variety of finishes | | • |

*Requires excavation or mechanism can be mounted under the floor

Emergency Egress

BoonAssist Crystal is equipped with door wings that can be manually collapsed during an emergency. (Escape route requirements are subject to local regulations).

Technical Specifications

Power Supply: 110/240 VAC, 50/60 Hz

Motor: DC motor, 4 poles

Power Consumption

Operating: 150W

Stationary: 20W / 70W*

Ambient Temperature: -4°F to +122°F

Breaker: 20 amp service

*With electric winglocking option deployed