

REVOLVING DOOR SYSTEMS



Standard sizes from 6'0"- 12'6" or custom diameters to suit job requirements

500 Series Revolving Door



Features:

- 4-Wing design
- Standard diameters 6'6", 7'0", 7'6", 8'0"
- Canopy heights standard 3" profile
- Standard finishes - clear or #40 Standard bronze anodized
- Standard anodized aluminum push bars - one per wing
- Long lasting stainless steel floor ring
- Upper concealed collapsing mechanism Bookfold wing position factory set for emergency egress
- Curved tempered glass wall enclosure
- Locks-standard dead bolt
- Slim line door and enclosure sections
- Overhead speed control
- Easily removed door wings to provide fast and efficient service
- Conforms to all North American Building Codes
- One year warranty

1500 Series Revolving Door



Features:

- Narrow line flush glazed door and enclosure sections
- Concealed collapsing mechanism and speed control
- Concealed fasteners
- Bookfold wing for emergency egress
- Conforms to ASTM E283 for air tightness
- Standard and custom models available
- Easily removed door wings to provide fast, efficient service
- Curved laminated glass in enclosure (tempered available)
- Tempered glass in door wings
- One year warranty

Available in "manual, automatic or power assist"

2500/3500 Series Revolving Doors



Features:

- All glass flush glazed door and invisible/visible enclosure base sections
- Concealed collapsing mechanism and speed control
- Concealed fasteners
- Bookfold wing for emergency egress
- Conforms to all North American building codes
- Conforms to ASTM E283 for air tightness
- Standard and custom models available
- Easily removed door wings to provide fast, efficient service
- Curved laminated glass in enclosure
- Tempered glass in door wings
- All glass canopy option
- Available in "manual or power assist"

4900 Series Revolving Door SECURITY REVOLVERS



Features:

- Simultaneous two-way traffic
- Programmable Controller
- All type card reader capacity
- Vertical load and/or floor mat detectors

Options:

- Automatic Operation
- Emergency - fail safe features
- Breakway doors
- Bullet resistant glazing in cage and wings
- Anodized aluminum, bronze, stainless or painted finishes

Revolving Doors

The "Green" solution to your energy-efficient buildings



"Did you know on average 8x as much air is exchanged when a swing door is opened as opposed to a revolving door?"⁴

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The "Green" solution to your energy-efficient buildings

Revolving Doors Conserve Energy

Revolving doors play a significant role in achieving and maintaining the sustainability of the building by providing a constant barrier between the interior and exterior environments (Figure 1). Air filtration through revolving doors is 1/10 of that through a swing door. A swing door, when opened allows new air to rush in, making the HVAC system work harder by using more energy to cool the building during summer months or heat the building during winter months. A study of revolving door usage at MIT (Massachusetts Institute of Technology) estimates that if everyone used the two revolving doors at Building E25 alone, MIT would save almost \$7,500.00 in natural gas annually, amounting to nearly 15 tons of CO2 (Table 1).

Figure 1. Total CFM Loss per Hour¹

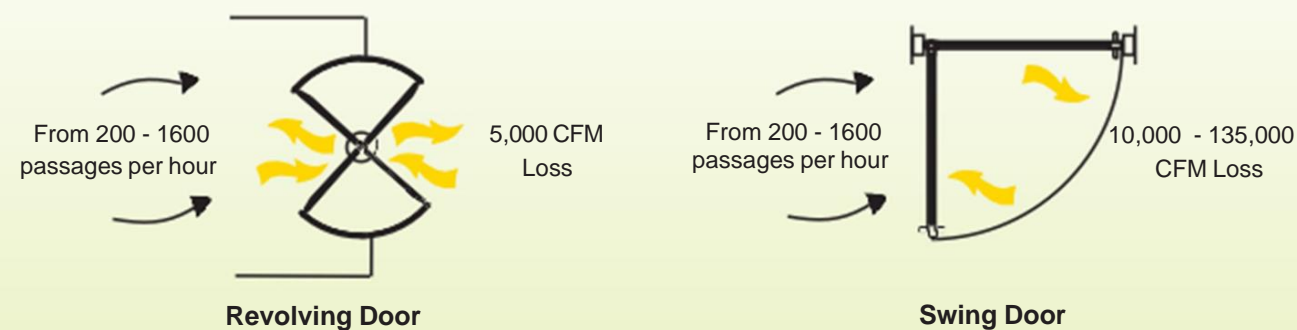


Table 1. Potential savings in different revolving-door usage rates at MIT building E25²

Revolving-door usage	50%	75%	100%
Saving of annual energy consumption	14.5%	38.7%	74.0%
# of houses the saved energy can heat in one year	1.0	2.7	5.1
# of years the saved energy can light a 100W bulb	5.8	15.3	29.0
Tons of CO ₂ prevented	3.0	7.7	14.6

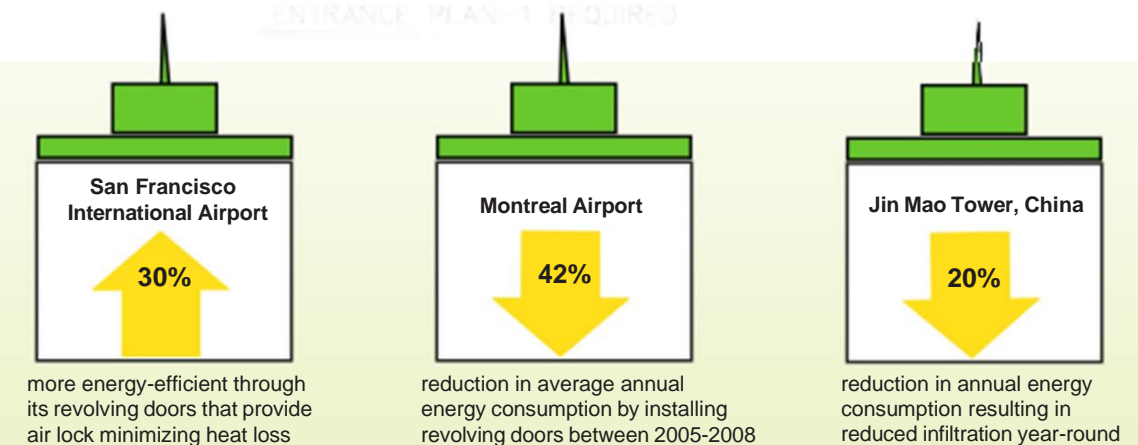
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Benefits of Revolving Doors

- Provide significant savings on heating and cooling costs.
- Savings and payback period is less than 5 years for the construction of new buildings or retrofitting entrances in older buildings.
- Cost effective
- Low maintenance
- Reduce dust, dirt and draft
- Modern design and available in a variety of finishes.
- More floor space

Sustainable Buildings Energy Saving Measures include Revolving Doors³



Unparalleled Value and Superior Craftsmanship

CJ Rush Entrance Systems Ltd. is recognized for the highest standards of quality and exceptional selection of custom styles and finishes to accommodate virtually any architectural design. All internal and external parts are constructed of the highest quality materials to withstand the rigors of use and provide maximum strength, durability and long life. The air locks are among the industry's tightest, minimizing outside air infiltration, maintaining interior comfort while keeping noise and dirt to a minimum.

Works Cited

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2. Modifying Habits Towards Sustainability: A study of Revolving Door Usage on the MIT Campus. 25 May 2006. pg. 24
3. "Touchdown SFO". *ExpressTravelWorld*, January 2008. <<http://www.expresstravelworld.com/200801/aviationworld14.shtml>>
4. "Energy Efficiency". *Aéroports de Montréal*. <<http://www.admtl.com/AboutUs/Environment/AeroExo.aspx>>
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6. Through Low-Cost and No-Cost Operational and Retrofit Measures. (2005). <http://www.juccce.com/documents/Green%20Building/Jin_Mao_Case_Study.pdf>
7. Revolving Door- Sustainability - USA <<http://sustainability.mit.edu/content/revolving-doors>>