



- Custom designed actuator, rack and pinion system
- Multi-row control using a single actuator
- The door uses a unique closed cell foam which offers 30% additional R-Value, pushing the Horizon Door to an R-Value of 8, topping the market
- Doors open to near 90° for maximum airflow
- Designed for easy assembly with welded bracketry, minimum fasteners and minimum adjustments
- Powder coated tubing and bracketry, along with outdoor rated actuator and gear transmission unit

HORIZON Tunnel Doors

We designed the new tunnel door system from the ground up looking into every detail to give the customer the best product and the easiest assembly on the market.

Available in door sizes of 36" or 42" heights and built to any length the system can fit any sized building opening. Custom engineered designs to maximize the actuator capabilities, along with years of experience with rack and pinion applications make this system uniquely suited for the tough conditions of the layer market.

Foam doors with molded fiberglass exterior are the perfect material for this application to give

the system many advantages like best r-value, best rigidity to weight ratio, and eliminates water leaks. The door material is designed to keep light out with a one-inch seal around the doors which provide a tight seal when the door is not in use. There is a one inch bulb seal around the doors providing a tight seal when the door closed is not in use.

The framework is entirely powder coated with the support tubes and brackets welded in place to precisely for your motor, rack and pinion system. This makes assembly very easy with no guess work or sliding clamps.



TUNNEL DOORS BUILT FOR YOUR PERFECT CLIMATE



Drive Components

- Full 5-Year warranty on actuator
- Weatherproof gear drive with stainless steel shaft and special gear oil – IP55
- Dynamic self-locking drive units
- Service life full load capacity is rated for 20-year-life
- Motor is wired from the factory
- Speed 4 – 6 RPM
- Thermally protected
- Heavy duty aluminum rack and pinion
- Right angle clear deflector requires no hardware to install
- Single row of tube can drive multiple rows of doors.
- Operating range: -40 °F to 185 °F

Framing and Seals

- Brackets pre-welded to frame tubes and entire system is powder coated to prevent corrosion
- Industrial seal attached to the wall ensures door closures is tight with no leaks

Assembly

- Welded brackets make assembly very easy for positioning the motor, gear drives, rack and pinion in the correct location
- Side and bottom edge pieces are pre-drilled holes to make attachment easy.
- Easy to connect doors
- Rack and pinion attaches via clevis pin to door
- Angled gear drive requires no fasteners.

Door Components

- Rigid door with molded exterior corrosion resistant fiberglass sheeting
- r-value 8
- Unique fiberglass skinned closed cell process creates a water resistant shell
- Pre-assembled flexible hinge on door

