



**SPECIFICATIONS FOR ELITE SERIES HALF HEIGHT TURNSTILE PRODUCT DESCRIPTION:
SCOPE OF OPERATION: MODEL EHHG * M (MECHANICAL) / E (ELECTRIC)
FULL MODEL DESCRIPTION: EHHGM / EHHGE**

- A. The EHHG works well for Children as they cannot climb under this unit.
- B. The EHHG consists of rotor assembly, barrier section, mechanism housing and ground plate.
- C. Standard overall dimensions are 48" high, 60" wide, 59" deep.

MATERIALS: All materials meet the ASTM standards as set forth by the materials industry.

- A. The rotor assembly consists of four pieces of 2" square x 11. gauge carbon steel tubing, each known as the rotor posts.
- B. All arms are 1-1/4" schedule 40 steel tubing. Each arm is closed with a force fit plastic cap to prevent injuries.
- C. The shield assembly is constructed from 1-1/4" schedule 10 vertical and 2" x 2" 1/8" rolled horizontal tubing. All components are welded to form a one-piece construction.
- D. The barrier assembly is designed to prevent passage in the reverse direction. It is fabricated using a 2" x 2" x 1/8" vertical post with the horizontal 1-1/4" schedule 40 arms welded perpendicularly to the post.
- E. The mechanism housing is constructed from an 12" structural aluminum channel. All electrical and mechanical components are attached to the channel. The channel and operating mechanism are covered by a 16 ga. Stainless steel cover, 12-1/8"W x 60"L x 8-14"H.
- F. The ground plate, fabricated from 16 ga. steel connects the rotor, barrier and, mechanism housing, and spans the shield assembly, providing stability and support for the turnstile.
- H. The bottom bearing has a dynamic load capacity in excess of 3200 lbs, a static load capacity of over 31,000 lbs. and a maximum rated RPM of 1700.



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FABRICATION:

A. The rotor assembly consists of 4 rotor posts with 5 rows of 1-1/4" schedule 40 pipe rotor arms which are welded to the front of each rotor post. Each rotor section is set at a position 90 degrees apart from one another. The top and bottom of the entire rotor assembly is held together by a flange. Each rotor section attaches to the flange using a 3/8" x 3" grade 5 fastener.

B. The barrier consists of a barrier post and 3 arms welded and equally spaced at an offset to the rotor assembly.

C. All components are constructed in such a manner as to eliminate all structural weaknesses.

FINISHES:

A. Hot-dipped galvanized with a minimum 2 ounce molten zinc thickness.

B. Top cover, upper flanges and lower flanges are fabricated from type 304 stainless steel.

C. RAL Powder Coating

OPERATION SPECIFICATION:

A. The locking and unlocking of the turnstile is accomplished by use of a low voltage, 24 VDC, system. Activation is by a momentary, isolated normally open dry contact closure.

B. Electrical controls are available in both entrance and exit directions. Controls may be fail-safe, fail-lock or any combination, in either controlled direction. If free passage is required, no electrical controls are provided.

C. All fail-lock applications include a mechanical key release which will allow free passage in case of an emergency.

D. Once a direction of passage is opened, it will remain open until the user proceeds through to the other side of the turnstile. Once the user proceeds through the turnstile, the reset system automatically re-locks the turnstile and readies it for the next user. The system will stay open until the user proceeds through unless an optional time out relay is used.

AVAILABLE OPTIONS:

Pulse Relay

- Time-out relay
- Red and green indicator lights
- Remote release pushbutton
- Rotation detection switch
- Heel protectors
- Card reader mounting plate
- Hydraulic speed control

CARD ACCESS: www.EntraPass.com

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