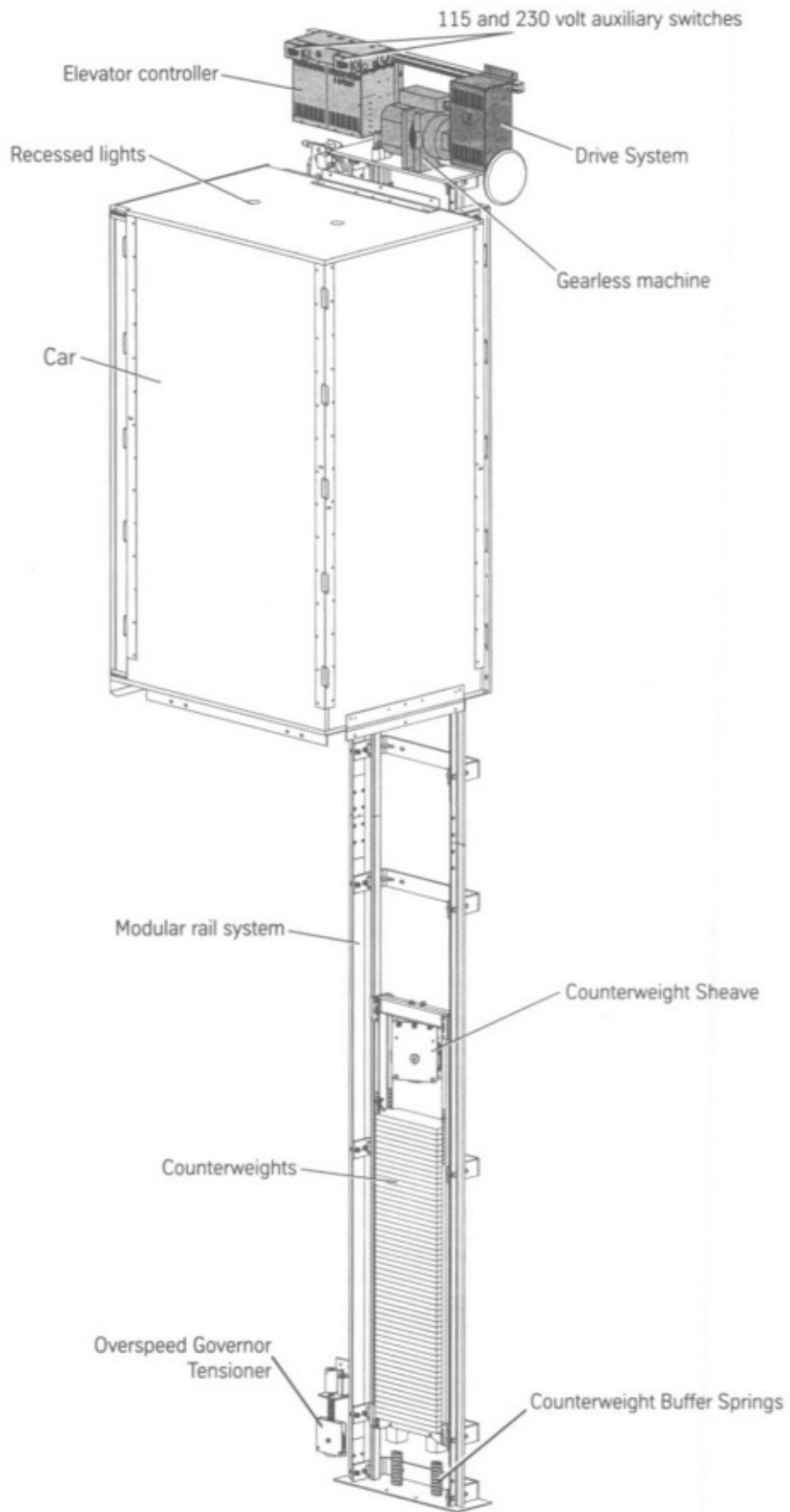


# Gearless Elevator Overview



*HomeFlyer*<sup>TM</sup>

Nouveau GL<sup>TM</sup>

STATE-OF-THE-ART  
GEAR-LESS, MACHINE ROOM-LESS  
HOME ELEVATOR

HomeFlyer<sup>TM</sup> Nouveau GL<sup>TM</sup>  
As manufactured for  
Integrity Group Companies, Inc. by  
TK Access, LLC  
Model Volant

This elevator meets the requirements of ASME A17.1  
Part V, Section 5.3 for a residential elevator.

**General:**

- Speed: 40 fpm (.20ms)
- Minimum pit depth: 12"
- Maximum travel: 50'
- Maximum number of stops: 5  
(minimum 17" travel between stops)

**Mechanical Equipment:**

- Modular Dual 6 1/4 lb. T-rail system
- Sling assembly

**Car and Appointments:**

- 36" x 48" (12 ft<sup>2</sup>) x 84" high car size
- Melamine wall panels in choice of champagne, light oak, dark oak or white
- White ceiling
- Two recessed halogen lights
- Wooden handrail to match wall panels
- Accordion car gate in choice of champagne, chalk, light oak, dark oak or white
- Unfinished plywood floor (with removable insert for 3/4" thick finished floor by others)
- Telephone (integrated into COP)

**Controls:**

- Programmable Logic Controller (PLC) with digital signal processor
- Fully automatic operation
- Car operating panel (brushed stainless steel or brass) with LED floor position/diagnostic display and call acknowledgment
- Hall stations (brushed stainless steel or brass) with LED floor position/diagnostic display and call acknowledgment
- Automatic car lighting with constant on switch
- Automatic homing to a designated floor
- Bi-directional leveling
- Emergency stop switch
- Emergency alarm button
- Hoistway wiring with conduit (hall stations / interlocks)

**Safety Devices:**

- Lockable auxiliary switch for car lighting circuit
- Lockable auxiliary switch for drive unit circuit
- Upper and lower terminal limits
- Final limits (2 upper, 1 lower)

- Pit switch
- Car top stop switch
- Battery backup emergency light and alarm
- Car gate safety switch
- Electromechanical interlocks (for doors by others)
- Overspeed Governor

**Options:**

- 36" x 60" (15 ft<sup>2</sup>) or 40" x 54" (15 ft<sup>2</sup>) car sizes (custom sizes are available in 2" increments from 36" to 42" width by 48" to 60" depth -12 ft<sup>2</sup> minimum, 15 ft<sup>2</sup> maximum)
- Special car size (15 ft<sup>2</sup> maximum, 12 ft<sup>2</sup> minimum)
- 88" or 94" inside car heights (requires additional overhead space)
- Unfinished wood veneer panels (oak, cherry, maple or birch)
- Unfinished inset wood veneer panel walls (oak, cherry, maple or birch)
- Factory applied finish to wood veneer panels and handrail
- Raised wood panel walls (oak, cherry, maple or birch) with choice of finish. See available finishes at [www.tkaccess.com/minwax](http://www.tkaccess.com/minwax)
- Matching wood veneer ceiling panel\*
- Hall stations and car operating panel can be provided in polished stainless steel or brass
- Metal handrail\* (brushed stainless steel or brass, or polished stainless steel or brass)
- Automatic car gate operator with light beam safety curtain
- Automatic hoistway door operator
- Car Buffer springs (requires 12" deep pit minimum)

**Car Gate Upgrades:**

- Accordion car gate with 3 clear vision panels
- Accordion car gate with all clear vision panels
- Deluxe Visifold® accordion car gate
- Accordion car gate with solid aluminum panels (clear or brass anodized finish)
- Accordion car gate with perforated aluminum panels (clear or brass anodized finish)

**Control Upgrades:**

- Key switch controls in car operating panel and/or hall stations

\*Not available with melamine wall panels.

**Gearless drive specific features:**

**General:**

- Rated load: 950 lbs. (430 kg) (750 and 700 lbs. available)
- Minimum overhead clearance 9'-0"

**Mechanical Equipment:**

- 230 VAC, 60 Hz, 20 amp single phase power supply with neutral and ground (4 wires)
- Two 3/8" diameter 8x19 Traction Rope
- Frequency controlled variable speed gearless machine

**Safety Devices:**

- Slack rope safety device

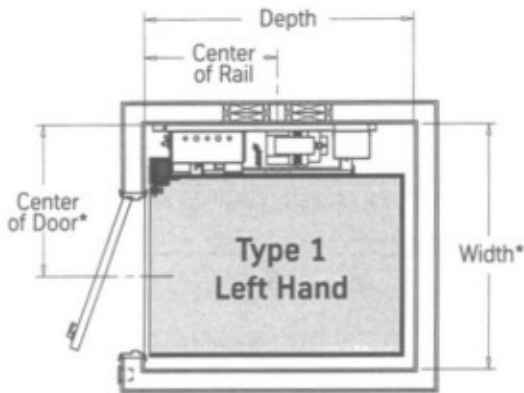
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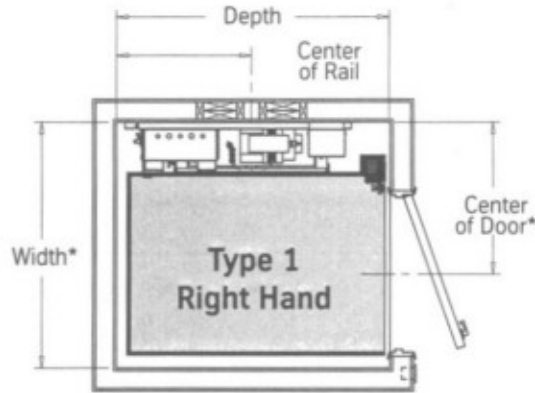
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**Type 1 - Left Hand Car with Pocket Gate**  
Gate Stack - Rail Side



**Type 1 - Right Hand Car with Pocket Gate**  
Gate Stack - Rail Side

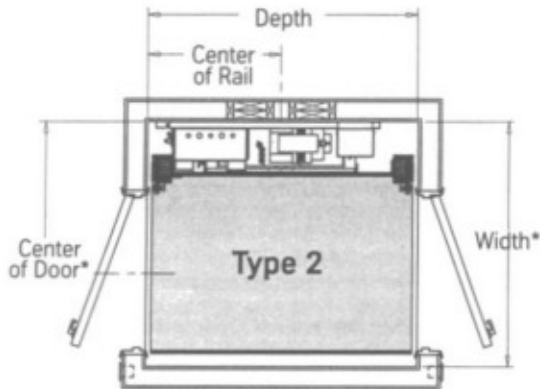


Car Size	Width	Depth	Center of Rail	Center of Door	Clear Opening
36 x 48	52 $\frac{3}{4}$ **	55"	28 $\frac{1}{2}$ "	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
36 x 60	52 $\frac{3}{4}$ **	67"	32 $\frac{7}{8}$ "	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
40 x 54	56 $\frac{3}{4}$ **	61"	30 $\frac{1}{8}$ "	35"	35 $\frac{7}{8}$ "

Car Size	Width	Depth	Center of Rail	Center of Door	Clear Opening
36 x 48	52 $\frac{3}{4}$ **	55"	26 $\frac{1}{2}$ "	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
36 x 60	52 $\frac{3}{4}$ **	67"	33"	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
40 x 54	56 $\frac{3}{4}$ **	61"	30"	35"	35 $\frac{7}{8}$ "

If this configuration is used with an automatic gate operator, a remote controller or 9'-0" overhead is required.

**Type 2 - Straight-thru Car with Pocket Gates**  
Gate Stack - Rail Side



Car Size	Width	Depth	Center of Rail	Center of Door	Clear Opening
36 x 48	52 $\frac{3}{4}$ **	55 $\frac{1}{2}$ "	29 $\frac{1}{4}$ "	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
36 x 60	52 $\frac{3}{4}$ **	67 $\frac{1}{2}$ "	33 $\frac{3}{4}$ "	30 $\frac{3}{4}$ **	32 $\frac{1}{8}$ "
40 x 54	56 $\frac{3}{4}$ **	61 $\frac{1}{2}$ "	30 $\frac{3}{4}$ "	35"	35 $\frac{7}{8}$ "

If this configuration is used with an automatic gate operator, a remote controller or 9'-6" overhead is required.

**Note: 8" Minimum pit required unless otherwise noted.**

Note: All dimensions are to inside finished walls.

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