**Specifications**

The NCE escalator is a versatile solution for commercial buildings, shopping malls, hotels, casinos, airports and hospitals.

Maximum rise 39 ft 4 7/16 in  
Speed - 100 feet per minute (3.05 m/second)  
Power - 10.1 hp, 12.1 hp, 17.4 hp, 24.9 hp

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>50824</th>
<th>50832</th>
<th>50840</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step width</td>
<td>24&quot;</td>
<td>32&quot;</td>
<td>40&quot;</td>
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<tr>
<td>Finish width</td>
<td>3 7/16&quot;</td>
<td>4 7/16&quot;</td>
<td>5 1/16&quot;</td>
</tr>
<tr>
<td>Minimum pit length</td>
<td>14 8 15/32&quot;</td>
<td>14 8 15/32&quot;</td>
<td>14 6 15/16&quot;</td>
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<tr>
<td>Minimum rough opening</td>
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<td>4 7/16&quot;</td>
<td>5 1/16&quot;</td>
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<tr>
<td>Maximum rise</td>
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<td>8 15/32&quot;</td>
<td>10 15/32&quot;</td>
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<tr>
<td>Minimum rise</td>
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<td>6 11 15/32&quot;</td>
<td>8 11 15/32&quot;</td>
</tr>
<tr>
<td>Minimum pit depth</td>
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<td>3 3 15/32&quot;</td>
<td>3 3 15/32&quot;</td>
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<tr>
<td>Beam-to-beam calculation</td>
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</tr>
<tr>
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<td>5 1/16&quot;</td>
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<tr>
<td>Maximum rise</td>
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<td>28 15/32&quot;</td>
<td>28 15/32&quot;</td>
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<tr>
<td>Minimum rise</td>
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1 Dimensions listed assume 2 flat steps, 480V power and installation under non-seismic conditions  
2 If “G” exceeds 58'-8", an intermediate support is required  
3 Intermediate support required  
4 Escalator replacements: Dimensions can be adapted for the replacement of existing escalators.  
   Please contact your local Otis representative for further details.
Setting the Standard

Over 100 years ago, Otis invented the escalator. Since that time, innovation has been a constant theme in Otis’ development as one of the world’s leading escalator manufacturers. Otis pioneered initiatives like the glass balustrade and the cleated step riser, which were adopted by the industry as a whole. Now, Otis is again moving escalator technology forward with standard green features that save energy and minimize environmental impact.

Green Technology

With Otis NCE escalator being green isn’t optional.

Otis is leading the industry with The Way to Green. We encourage and enable our more than 60,000 employees worldwide to address the future positively and proactively. It is all a part of our end-to-end commitment to incorporating environmental awareness into everything we do.

Otis NCE Delivers:

- Green Technology Standard
- Aesthetic Options
- Proven Reliability
- Safety

MINIMAL LUBRICATION

A highly efficient automatic lubrication system maintains proper lubrication of all vital components while using up to 98% less oil than conventional systems. This, combined with sealed-for-life bearings, minimizes environmental impact.

SLEEP MODE

When the NCE escalator is not in use, the speed of the escalator is slowed down. A pressure-sensitive piezo contact mat under the escalator floorplate detects approaching passengers and powers the escalator gradually back up to full speed. The result is less energy consumption when the escalator is not in use.

VARIABLE FREQUENCY DRIVE

When an escalator travels in the down direction, it generates energy, more so when there are passengers on the escalator. In non-regenerative systems, this energy is sent to resistors and is wasted as heat. With the Otis’ ReGen drive, this energy is captured and fed back into the building’s power supply to be used by other building systems. All this helps the NCE escalator use up to 60% less energy than conventional systems.

LED LIGHTING

Otis has replaced conventional lighting with long-lasting LED lighting. This allows for a variety of lighting options while considerably reducing the amount of electricity consumed.
A wide range of design options

LED LIGHTING OPTIONS

- Traffic flow light
- Understep lighting
- Comb lighting
- Continuous skirt panel lighting
- Balustrade lighting

LED lighting under handrail to provide aesthetic effect while minimizing energy usage.

DECKING

- Silver-grey, powder-coated aluminum (standard)
- Gold finish anodized aluminum
- Silver finish anodized aluminum
- Gold satin finish
- Satin finish stainless steel

1 LED lighting available in different colors. Contact your Otis representative for details.

SKIRT PANEL

- Jet black powder-coated aluminum (standard)
- Silver-grey, powder-coated aluminum (standard)
- Natural aluminum
- Black with Guardian® low-friction powder coating (standard)
- Satin stainless steel with transparent Guardian® low-friction powder coating

FLOOR PLATE

- Natural aluminum with grooves (standard)
- Aluminum with grooves, black powder coat
- Stainless steel pattern with black grooves

Reliability

A key design focus for all Otis products

Otis’ goal is to ensure that a typical NCE installation with average passenger traffic load achieves a lifetime of at least 20 years without major overhaul.

AS AN OPTION

You may add Otis’ EMS Panorama™ system - an interactive system that allows you to monitor, control and gather information from your escalators and elevators.
Safety

Innovative technology puts safety first.

Otis prides itself on the comprehensive safety features built into its products.

**GUARDIAN® SKIRT PANELS WITH BRUSH GUARDS**
Safety brushes promote passenger safety by gently guiding passengers away from skirt panels. Guardian skirt panels reduce side friction, minimizing risk of objects being caught.

**YELLOW DEMARCATION LINES**
Located on each step, these lines provide additional visual safety by guiding passengers away from step edges. Yellow plastic inserts are also available as an option.

**COMB PLATE SAFETY DEVICE**
The comb-plate protection switches are located on two sides of each comb plate. If debris is lodged between the comb and steps, the comb plate will automatically lift upwards and stop the escalator.

**EMERGENCY STOP BUTTON**
Located on both the upper and lower landings and mounted on posts. Pressing the red button will safely stop the escalator.

**HANDRAIL ENTRY BOX SAFETY DEVICE**
The tapered handrail entry box safety device is in the handrail entry box of the upper and lower landings. If debris is inserted in the handrail entry point, the safety switch will activate, stopping the escalator.

**FLOORPLATE SAFETY DEVICE**
A safety switch is installed under the floorplate to ensure proper floorplate positioning. If the floorplate is not properly aligned, the safety switch will activate, stopping escalator operation until the floorplate is properly closed.

**TRACTION WHEEL HANDRAIL DRIVE**
This device synchronizes step and handrail speeds for greater passenger safety.

**MOTOR THERMAL PROTECTION**
The thermal protection switch is located in the motor coil. If the motor temperature exceeds 159°C the thermal protection sensor will automatically shut down the escalator.

**MISSING STEP DEVICE**
Two sensors are located at the turning positions of the upper and lower landings. If the step is missing or installed incorrectly, the sensor will send a signal to the control system to shut down the escalator.

**STEP CHAIN DEVICE**
The safety switch is located on the tension carriage in the lower landing. If the step chain breaks or stretches abnormally, the safety switch will stop the escalator.

**STRIKE LINE DEVICES**
Located on each step, these lines provide additional visual safety by guiding passengers away from step edges.

**YELLOW DEVICES**
Able to easily identify the escalator as yours.

**GUARDIAN®**
A comprehensive range of escalator safety technology.