New Products

ECEED-α: A New-Generation Elevator with Superior Comfort and Interior

Machine-room-less elevators, which eliminate the machine room on the building’s rooftop, have become today’s mainstream elevator. In this field, Fujitec launched its first model, “ECEED,” in the Japanese market in November 1998, followed by “ECEED-e²” in September 2001, which features the industry’s smallest slim-type gearless traction machine (at that time) and Universal Design. Our most recent product, “ECEED-α,” is a cutting-edge, new-generation model that further saves space and offers improved performance.

Improved Universal Design

ECEED-α employs a liquid-crystal display (LCD) in the cab to make characters clearly visible. In addition to improved visibility, the display also uses colors that are easy to read for people who are visually challenged or colorblind. The LCD can also display a wide variety of data such as floor information and emergency operations to better serve the hearing impaired.

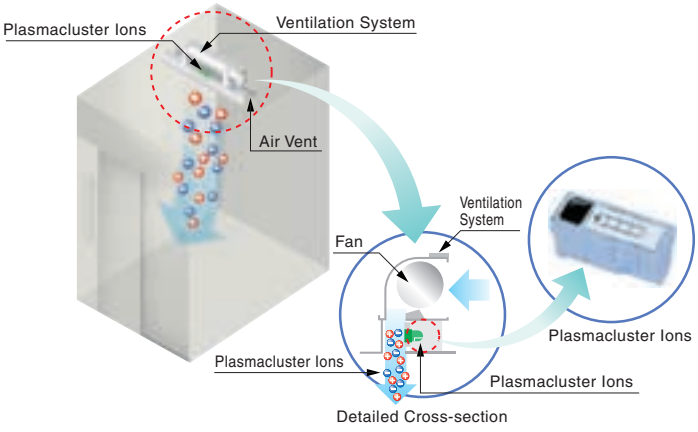
Moreover, the car operating boards come equipped with tactile push buttons with more sharply embossed numbers and symbols as compared to push buttons in conventional elevators. Touching these buttons helps the visually challenged to correctly identify the door close/open buttons and the intercom call button, all of which are clearly distinguished by color.

LCD


Tactile push buttons

All Models Equipped with Plasmacluster Ion Generators

For the creation of clean and comfortable elevators, all standard models are equipped with “IONFUL,” a plasmacluster ion generator we developed in collaboration with Sharp Corporation. Incorporated in the cab ventilation system on top of the elevator car, IONFUL generates plasmacluster ions and sends them into the car’s interior through an air vent. This system inactivates airborne viruses and molds and deactivates airbone allergens.



Detailed Cross-section

Use of High-Luminescent Ceiling Lights

The elevators are installed with ceiling lights using high-luminescent inverters. This system employs a plate that reflects the ceiling light and a cover panel with high transparency. Although lighting is ordinarily dimmed to 60 percent of the available lighting, with this system illumination in the cab is approximately 1.5 times that of the existing models, thereby minimizing inconsistent lighting in elevators.

In addition, this lighting system substantially saves energy because it uses only 25 percent of the electricity consumed in older Fujitec models. This is achieved by reducing the amount of standby electricity by shortening the automatic shut-off time for lights when the elevator is not in use.