

SC320 Building Hoist Elevator

The SC320 building hoist elevator is designed for vertical transportation of personnel and materials on construction sites. It features a robust cage structure with a winch and cable system for lifting and lowering.



Overview

SC320 Building Hoist Elevator

The SC320 Building Hoist is a robust construction elevator engineered for the safe and efficient vertical transportation of personnel and materials on high-rise construction sites. It features a durable, heavy-duty cage structure with aluminum and steel components, designed to withstand rigorous job site conditions. With comprehensive safety mechanisms, including anti-drop devices and emergency cut-offs, this hoist ensures reliable performance and operator protection.

Cage Specifications

Cage Dimensions

Model Capacity	Dimensions (L x W x H)
1.2T and 2.0T	3.0m x 1.5m x 2.5m
2.7T and 3.2T	3.8m x 1.5m x 2.5m

Construction Materials

- Base plate: Checked steel
- Sidewall: Aluminum (perforated upper half, solid lower half)
- Roof: Checked steel
- Doors: Punched aluminum

Mast & Anchoring

Mast Section Details

- Dimensions: 650 x 650 x 1508mm
- Thickness: 4.5mm
- Steel Grade: Q235
- Finish: Painted
- Fasteners: 8.8 grade joining bolts with self-locking nuts

Safety Systems

Buffer Type

Model Capacity	Buffer System
1.2T and 2.0T	Spring
2.7T and 3.2T	Hydraulic

Integrated Safety Devices

Anti-Drop Safety Device, Up/Down Limit Switches, 3-Phase Cut-off ELCB, Emergency Cut-off, Horn, Side/Roof Door Limit Switches

Electrical & Mechanical

Drive & Electrical

- Drive Motor: IP55 rated
- Power Control: Professional contactors
- Trolley: Galvanized 4-roller drive

Finish & Durability

Surface Protection

- Process: Sand blasting
- Coating: 2 layers of Epoxy resin coat
- Color: Blue (RAL 5002)