

Goods Elevators Catalog

General Description

Type: Goods Elevator / Freight Lift (Traction or Hydraulic, MRL or with machine room depending on site) **Usage:** Transport of goods, heavy loads, and pallets between floors **Operation:** Simple push-button control (single speed or VVVF as required)

Capacity & Speed

Parameter	Standard Range
Rated Capacity	500 kg – 5000 kg
Rated Speed	0.25 m/s – 1.0 m/s (low/medium speed for safety)
Travel Height	Up to 30 m (can be more for traction type)
Stops	2 – 30 (customizable)

Hoistway Requirements

Pit Depth: 1200 mm – 1500 mm (depends on capacity & speed) **Overhead Clearance:** 3600 mm – 5500 mm **Shaft Size:** Cabin size + clearance for counterweight and guide rails

Cabin Construction

Material: MS (mild steel) painted / powder coated or SS as per requirement **Flooring:** Chequered plate (anti-slip steel) **Doors:** Manual collapsible / manual swing / vertical bi-parting / power-operated sliding (optional) **Door Width:** Wide opening for pallet truck / forklift loading **Height Clearance:** Usually 2100 mm – 2400 mm

Drive & Control

Drive Type: Traction Type (gearless/geared with counterweight) – medium/high travel, Hydraulic Type – low-rise heavy load applications **Motor:** 3-phase induction motor / PMSM (for gearless) **Control System:** DOL starter for low cost, VVVF drive for smoother start/stop and energy saving **Power Supply:** 3-phase, 415V, 50 Hz

Safety Features

Mechanical locking of landing doors Overload protection Emergency stop switch Safety gear and overspeed governor (traction type) Buffer in pit (oil/spring type) Emergency manual lowering (hydraulic type) ARD (Automatic Rescue Device) optional for traction type

Performance

Levelling Accuracy: ± 10 mm (manual control) / ± 5 mm (automatic VVVF) **Ride Comfort:** Not prioritised over load capacity, but vibration minimized **Durability:** Heavy-duty door gear, guide shoes, and cabin structure

Contact Information

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