FAAT

FAAT LIFTS

Residential Elevators

A better journey home.

Considered engineering.
Interiors with character. Care that continues.

01
Ride comfort

02
Interior design

03
Continuing care

Designed around everyday life.

Specialist equipment. Coordinated engineering. Local assembly and service.

01 A composed journey

Gearless traction, integrated motion control and sprung car roller guides are selected and commissioned as one system.

02 An interior that belongs

Coordinate the cabin, lighting and controls with your building. Choose from twelve interiors across the Stainless Steel, Signature and Heritage collections.

03 Care close to home

FAAT brings local engineering, installation and continuing service together, with maintenance records supported by MEPSOL.

ONE COORDINATED SPECIFICATION

The layout, specialist equipment and locally made assemblies are developed together. Installation checks and commissioning complete the process.

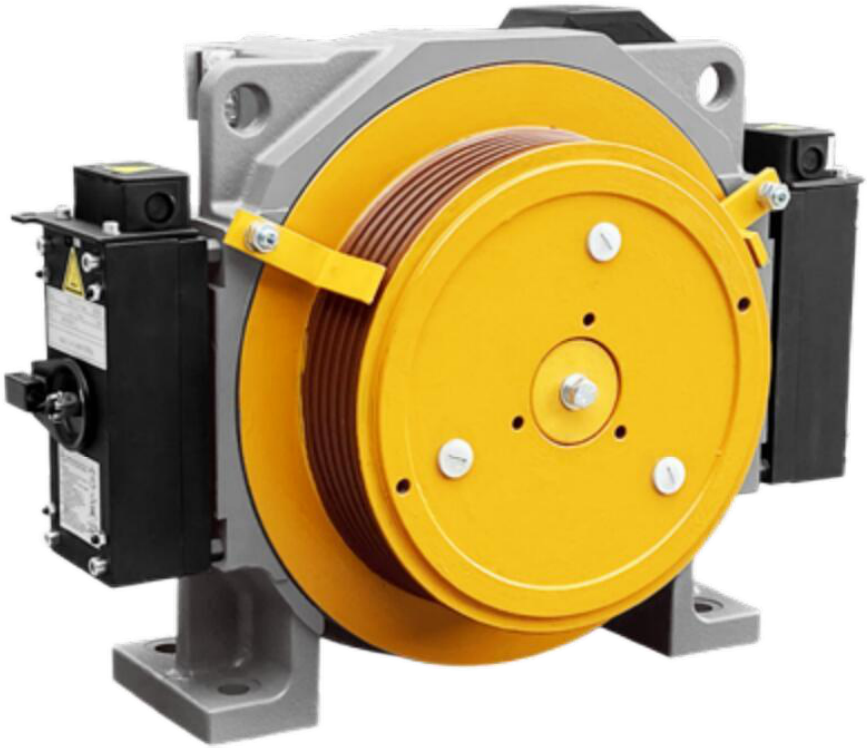
Smooth travel is a system decision.

From the first movement to the final stop, each part has a role.

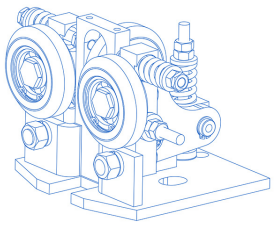
DIRECT DRIVE

Permanent-magnet gearless traction

The machine drives the traction sheave without a gearbox. The controller shapes acceleration and stopping.



Torin gearless machine / equipment example



GUIDANCE

Sprung rollers, aligned rails.

Guide adjustment, rail alignment, clean joints and cabin stiffness work together to limit sources of vibration and rattling.

The finishing step: commissioning

Ride settings, floor levelling and automatic-door motion are checked together.

Torin and Huning examples shown. Final equipment and settings follow the selected configuration.

Protection at every stage.

Safety depends on coordinated detection, control and protective equipment.

01 A protected entrance

Landing-door locks help prevent unsafe shaft access. Light-curtain detection supports door reopening when an obstruction is detected.

02 A controlled departure

Load monitoring prevents normal departure when the overload threshold is exceeded. Brakes hold the car and work with the drive and monitoring functions.

03 Movement protection

The protection scheme addresses descending overspeed, ascending-car overspeed and unintended car movement. Each function must work with the selected machine and control system.

04 Support if power is interrupted

Automatic rescue can bring the car to a landing and open the doors when rescue conditions permit. Emergency lighting, an alarm and two-way communication provide additional support.

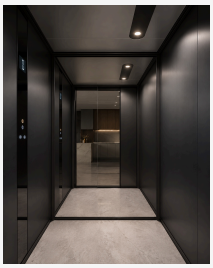
Safety functions are specified for each project. Compliance with applicable European lift requirements must be demonstrated through design review, supplier evidence and installation tests. FAAT certification is not claimed.

Twelve interiors.

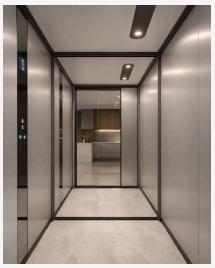
Find your preferred cabin and use its reference when discussing your selection with FAAT.

STAINLESS STEEL

06 OPTIONS



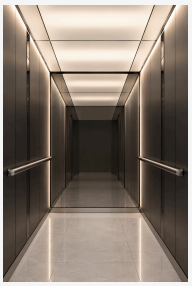
SS-01
Classic Graphite



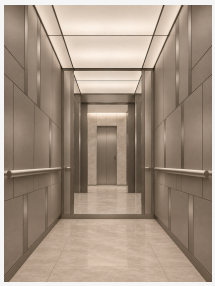
SS-02
Classic Silver



SS-03
Classic Champagne



SS-04
Linear Steel



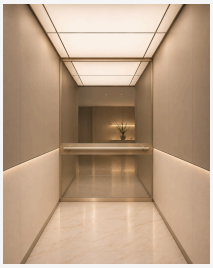
SS-05
Sculpted Steel



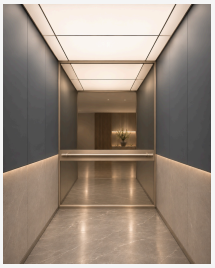
SS-06
Textured Graphite

SIGNATURE

04 OPTIONS



SG-01
Balance Beige



SG-02
Balance Slate



SG-03
Veined Contrast



SG-04
Warm Retreat

HERITAGE

02 OPTIONS



HT-01
Heritage Frame



HT-02
Heritage Lattice

Explore the separate FAAT Cabin Collection for full-size images and finish selection guidance.

Controls & displays.

Choose the details you use every day.

CAR OPERATING PANELS

04 OPTIONS



COP-01
Stainless & glass



COP-02
Brushed stainless



COP-03
Black glass



COP-04
Integrated display

LANDING OPERATING PANELS

07 OPTIONS



LOP-01



LOP-02



LOP-03



LOP-04



LOP-05



LOP-06



LOP-07

HORIZONTAL CAR PANELS

02 OPTIONS



HCP-01



HCP-02

A considered finish.

Coordinate the panel with your cabin.
Confirm controls for your project.

Branding visualisations. Final displays, buttons and accessibility provisions follow the project specification.
Panel images are not to a common scale.

Everyday operation.

Travel, passenger controls and energy-saving functions.

Travel functions

VVVF drive	Controls motor speed for smooth starting, travel and stopping.
VVVF door operator	Controls door-motor speed for a gentler opening and closing motion.
Independent running	Accepts cabin commands only; landing calls are ignored in this mode.
Automatic pass without stop	Bypasses landing calls when the car reaches its preset load threshold.
Automatic door-open timing	Adjusts door-open time according to cabin and landing calls.
Reopen with hall call	A landing call can reopen the doors while they are closing.
Express door closing	The door-close button requests closing after the doors have opened.
Cabin stop and door open	Opens the doors after the car has stopped and levelled.
Cabin arrival gong	Sounds an arrival signal in the cabin.
Command register cancel	Allows an incorrect registered cabin call to be cancelled at its button.

Human-machine interface

Micro-touch call buttons	Provides micro-touch buttons for cabin commands and landing calls.
Cabin floor and direction display	Shows the current floor and direction of travel inside the cabin.
Landing floor and direction display	Shows the current floor and direction of travel at the landing.

Emergency and standby functions

Bell	Sounds the cabin-top alarm bell while the alarm button is pressed.
Fire emergency return	Cancels calls and returns to the designated landing when recall is activated.
Ventilation and lighting shut-off	Switches off the cabin fan and lights after a preset period without calls.
Remote shut-off	Returns the car to the main landing and takes it out of service via a key switch.

Reference function schedule: the source catalogue's standard/optional classification is retained. Included functions, equipment and operating modes are confirmed in the FAAT project specification.

Protection and assistance.

Safety, inspection and emergency functions.

Safety functions

Photocell protection	Full-height infrared detection monitors passengers and objects in the doorway.
Designated stop	If the doors cannot open at the selected floor, proceeds to the next designated floor.
Overload holding stop	Sounds a buzzer and holds the car at the landing when it is overloaded.
Anti-stall timer protection	Stops operation if monitored travel exceeds its permitted time.
Start protection control	Stops operation if the car does not leave the door zone within the set time.
Inspection operation	Provides low-speed inching travel in inspection mode.
Fault self-diagnosis	Records recent faults to support diagnosis and restoration of service.
Repeated door closing	Reopens and retries closing when an obstruction or interference prevents closure.
Overrun and final-limit protection	Provides protection against travel beyond the upper and lower terminal limits.
Upward overspeed protection	Uses the selected, verified ascending-overspeed protection system.
Downward overspeed protection	Cuts motor drive on overspeed; safety gear arrests the car at its set trip condition.

Emergency functions

Emergency cabin lighting	Activates emergency cabin lighting when normal power fails.
Inching running	Provides low-speed travel during emergency electrical operation.
Five-way intercom	Connects the cabin, car top, machine room, pit and rescue duty point.

One coordinated protection system.

Each protection function must work with the selected machine and control system. Final settings and acceptance checks follow the approved project specification.

Reference classification only. Availability, fault-memory capacity and overspeed thresholds require confirmation for the selected equipment. Source-catalogue thresholds are not FAAT design settings.

Options for your building.

Additional emergency, travel, interface and monitoring functions.

Emergency function

Levelling on power failure	Battery-backed rescue to a suitable landing when conditions permit.

Travel functions

Anti-nuisance	Cancels registered cabin calls when the control identifies excessive calls at light load.
Open the door in advance	Requires validated door-zone control and protective circuits.
Direct parking	Uses distance-based control to level without a prolonged crawling approach.
Group control	Coordinates several cars and assigns a suitable car to each landing call.
Duplex control	Coordinates two cars through shared dispatch of landing calls.
On-duty peak service	Returns cars to the home landing to support peak upward traffic.
Off-duty peak service	Dispatches cars to the top floor to support the preset off-duty peak period.
Extended door-open time	Keeps the doors open for a longer period when the special button is pressed.

Human-machine interface

Voice announcer	Provides spoken information when the elevator arrives.
Cabin assistant operation box	Adds cabin controls for larger or more heavily occupied cars.
Accessible operation box	Provides an auxiliary panel for wheelchair users and passengers with visual impairments.
Intelligent calling service	Enables or locks cabin and landing calls via a dedicated intelligent input.
IC card control	Restricts commands for selected floors to authorised card holders.

Monitoring functions

Remote monitor	Supports remote monitoring through the selected communication link.
Remote control	Allows specified service operation through an optional monitoring screen.
In-cabin camera	Provides camera observation of cabin conditions.

Options are selected per project and may require additional equipment and interfaces. Remote monitoring and control listed here are not a claim of live elevator telemetry through MEPSOL.

Start with the people. Then resolve the space.

Three rated-load planning classes for residential projects.

450

kg rated-load class

Compact demand

For smaller passenger demand and a carefully planned cabin.

630

kg rated-load class

Everyday flexibility

For residential use with more room for daily carrying needs.

1000

kg rated-load class

Greater carrying capacity

For higher demand and larger loads, subject to traffic assessment.

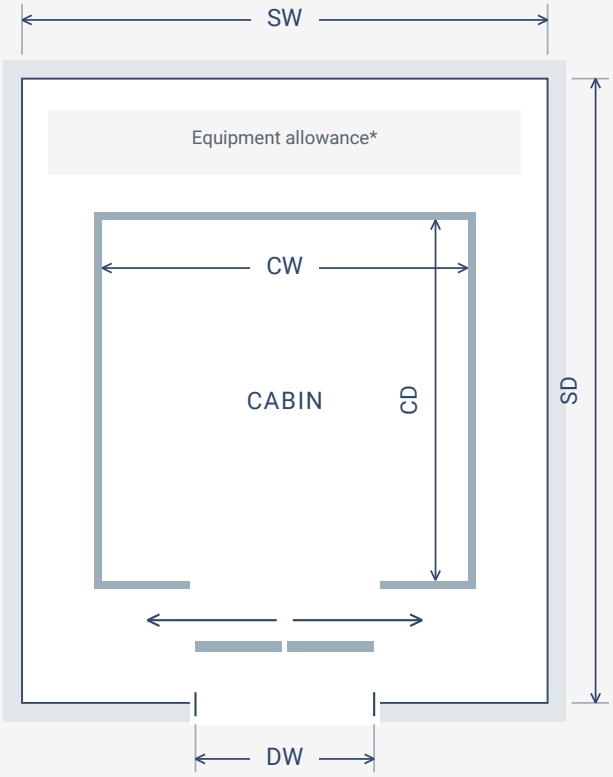
WHAT DETERMINES THE RIGHT CHOICE

People & traffic	Apartments served, occupancy and peak demand guide capacity, speed and the number of elevators.
Space & access	Cabin proportions and clear entrance width govern pushchairs, luggage and furniture. Accessibility requires a complete-layout check.
Building & machinery	Travel, shaft geometry and machinery space determine the arrangement and equipment ratings.
Shared design direction	PM gearless traction, integrated motion control, sprung car roller guides and controlled automatic doors.

Planning classes. Final capacity and configuration follow the building layout, passenger demand and engineering approval.

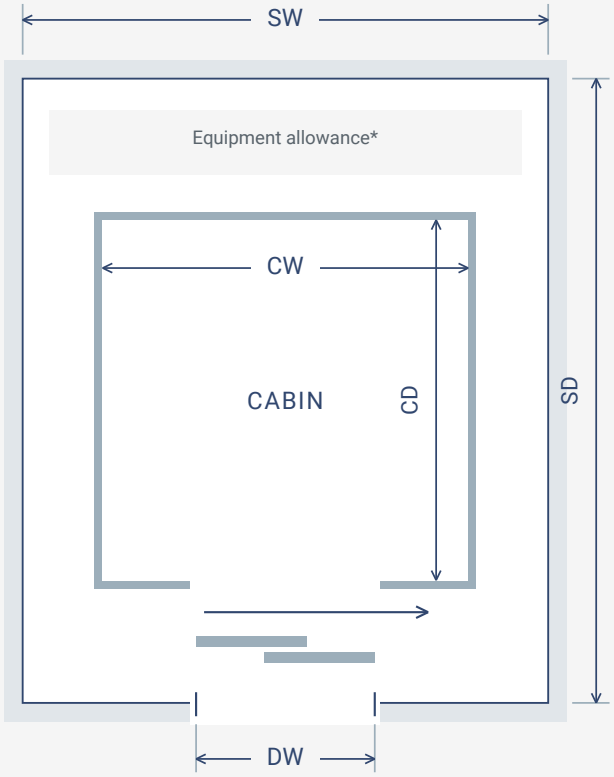
The entrance shapes the whole layout.

Choose the opening principle alongside the clear shaft, cabin proportions and space for door equipment.



Centre opening

Panels open to both sides. Check the space for the parked panels on each side of the clear entrance.



Telescopic side opening

Panels overlap as they open to one side. Check the stacking side, door depth and entrance returns.

SW / SD
Clear shaft, finished faces

CW / CD
Internal cabin dimensions

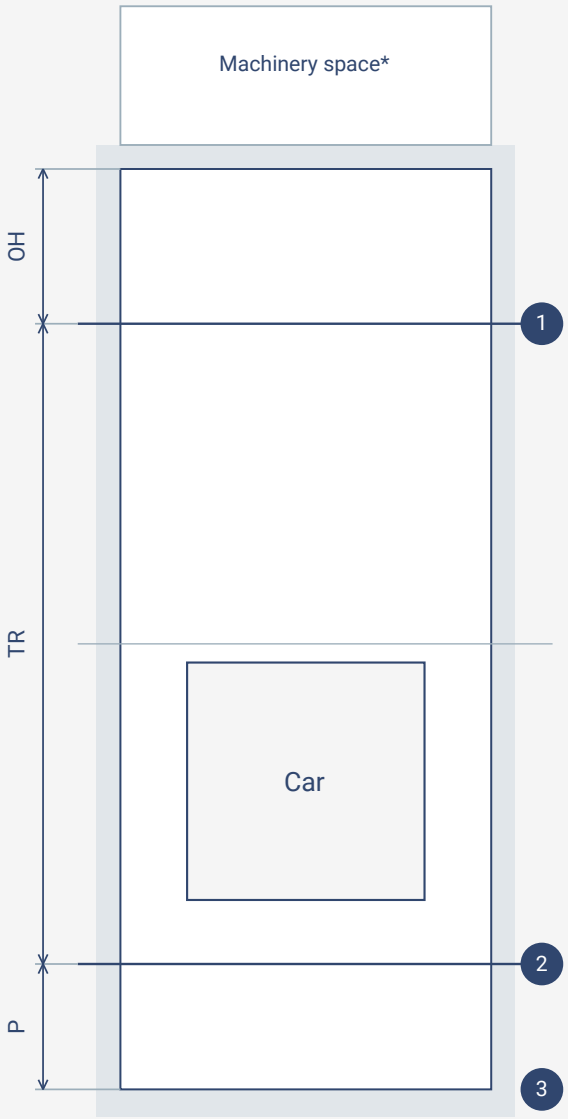
DW
Clear entrance opening

*** Equipment allowance**
Location follows the final arrangement

Planning schematics, not to scale. FAAT confirms cabin, entrance, shaft dimensions and equipment clearances for each project.

Plan the building around the complete system.

Reserve the structure, services and access early. FAAT coordinates these interfaces in the project layout.



1 Highest landing 2 Lowest landing 3 Pit floor

OH / Overhead

Highest finished landing to the defined underside of the shaft ceiling.

TR / Travel

Vertical distance between the lowest and highest served finished landings.

P / Pit

Lowest finished landing to finished pit floor. Coordinate buffers, access and protective spaces.

* Machinery & access

The machine-room arrangement, structural supports and service access follow the chosen configuration.

Provide to FAAT

Surveyed shaft and floor levels; entrance returns; structure and fixing information; power supply; machinery and access constraints.

Receive a coordinated layout

Cabin and entrance dimensions, equipment clearances, pit and overhead, loads and fixings, service interfaces and access provisions.

Planning section, not to scale. Pit, overhead, machinery space and structural requirements follow the coordinated project layout.

Planning dimensions.

Sharp-based machine-room references at 1.0 m/s.

PLANNING BASELINE / FINAL PROJECT LAYOUT REQUIRED

SHARP REFERENCE	450 kg	630 kg	1,000 kg
Cabin W × D × H	1100 × 1200 × 2500	1100 × 1400 × 2500	1600 × 1500 × 2500
Door opening W × H*	700 × 2100	800 × 2100	800 × 2100
Shaft W × D	1900 × 1900	1950 × 1950	2200 × 2150
Pit depth	1400	1600	1400
Overhead	4200	4200	4200
Speed / m/s	1.0	1.0	1.0

Dimensions in mm unless stated. W = width; D = depth; H = height.

FAAT development scope: normally up to 10 served landings; 12 landings and 40 m travel are development targets requiring project verification.

HOW TO USE THESE DIMENSIONS

Each column is one complete Sharp catalogue configuration, not an interchangeable range. Shaft, pit and overhead values are Sharp catalogue minima for those configurations; they are not verified minima for the FAAT component combination. Obtain the approved project layout before construction.

Source: supplied Sharp catalogue, small machine-room residential table, printed pp. 85–86 (PDF p. 44). *Door sizes are interpreted as width × height; the source header reads W × D. A 900 mm entrance requires separate coordination; accessibility is not established by this table.

From specification to everyday use.

A coordinated process connects the building, the equipment and the team that will care for it.

01 Coordinate the building

Confirm the shaft survey, entrances, structural supports, electrical supply and maintenance access before the layout is finalised.

02 Install as one system

Coordinate the specialist equipment and locally made assemblies. Check rail alignment, doors, wiring and the cabin installation.

03 Test and commission

Complete the configuration-specific checks. Adjust ride settings, floor levelling and door operation before acceptance.

04 Handover for continuing care

Agree the operating information, equipment records, maintenance scope and route for reporting a service issue.

The agreed specification remains the reference through installation, handover and service.

Service you can see.

Maintenance records, service requests and follow-up in one place.

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01 Request support

Submit a service request with the equipment reference and details of the issue.

02 Review each visit

Access maintenance reports, inspection findings and recommended follow-up.

03 Keep the equipment history

Bring equipment documents and service records together for future visits.

FAAT service. Supported by MEPSOL.

A clearer record for owners.
Better context for the next visit.

Portal access and service scope follow the maintenance agreement.

FAAT

RESIDENTIAL ELEVATORS

Let us plan your next journey.

Bring us your building.
We will work through the elevator,
its interior and its continuing care.

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FAAT Group / Damascus, Syria

Cabin images show the selected designs. Final materials, equipment, dimensions and service scope follow the agreed project specification.