Eurolift ASCENSEURS

With or without machine room

Lift with or without machine room: how to choose

Two designs · Comparison · Questions to ask · What we offer



Choosing between a machine-room-less lift and a lift with machine room mostly depends on the building: available space, an existing room, height and use. Here are the criteria that matter.

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Two designs

Machine-room-less (MRL)

The gearless motor sits in the shaft and the controller at the landing or in the door frame. No technical room to build.

With machine room (MR)

The geared or gearless machine and the controller are grouped in a technical room, above or beside the shaft depending on the building.

Comparison

	Machine-room-less	With machine room
Technical room	None	Required, above or beside the shaft
Space saved	The whole room area	—
Machinery	Gearless motor in the shaft	Geared machine or gearless motor
Controller	At the landing or in the shaft	In the room
Maintenance	From the landing and the car roof	Direct access to the machine in the room
Best for	Housing, offices, new buildings	Replacement with an existing room, high-rise, intensive use

Questions to ask

- Does the building already have a machine room in good condition and accessible?
- How much space is available in the shaft, in the pit and above the top floor?
- How many floors and what travel? What traffic is expected?
- Is it a new building or the replacement of an existing lift?
- Does the building impose noise or structural constraints?

What we offer

Médium 2.5 range

Machine-room-less for tight shafts: pit from 300 mm in existing buildings and 2,500 mm headroom.

ALPHA Motion

Machine-room-less, predefined loads and dimensions for new and existing buildings.

HYBRID

With or without machine room, our best value, export only.

Lift with machine room

To keep or reuse an existing technical room, with geared or gearless machine.

Frequently asked questions

Is a machine-room-less lift noisier?

No: the gearless motor turns slowly without a gearbox. Noise depends mainly on installation quality and shaft insulation.

Can a lift with machine room be replaced by a machine-room-less one?

Yes, during a full replacement: the machinery leaves the room, which can then be freed. We study the shaft to confirm feasibility.

Which is easier to maintain?

Both are easy to maintain. With a room, the machine is directly accessible; without, the landing controller allows checks without entering the shaft.

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