



# MOTALA 2000

## TECHNICAL INFORMATION

# MOTALA

LARGEST INSIDE SMALLEST OUTSIDE



THE MOST SPACE EFFICIENT LIFT ON THE MARKET

# Installation example of shaft size 1250x1560 mm

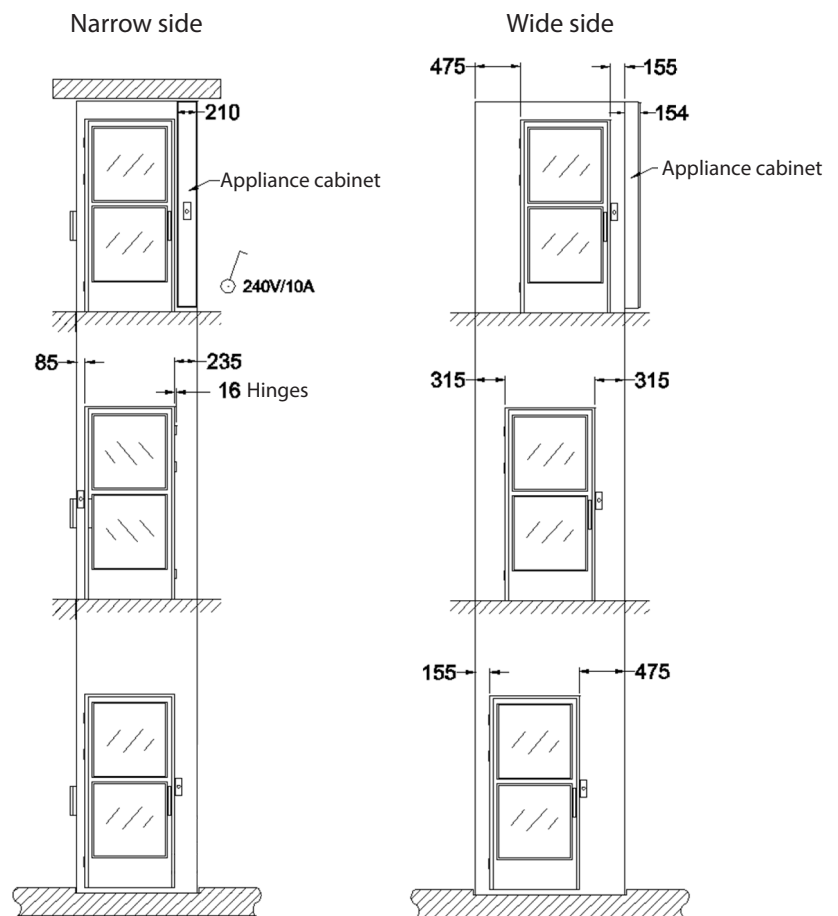
## Lift for indoor installation only

Motala 2000 has its own self-supporting shaft. It does not require a supporting wall as all the forces are directed down to the pit. On each level at the door, a threshold is mounted in the width of the lift.

On the top floor, the space at the appliance cabinet must be accessible. It is always placed on one of the short sides (optional).

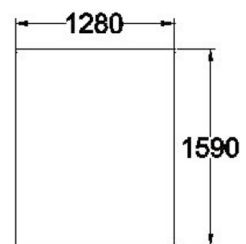
Doors fitted in the wider sides can be supplied in 900 or 1000 mm widths. They can be positioned centrally or offset. The doors illustrated are 900 mm wide.

Ceiling height at front door when an automatic opener is used should be minimum 2200 mm. For manual door closers 2150 mm height is needed.



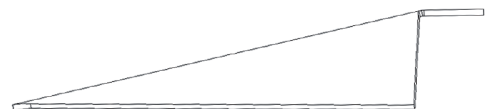
## Shaft installation space

Shaft installation space refers to the floor opening and free vertical space on each level needed for installation of the lift. This is 30 mm larger than the finished elevator shaft dimensions. (The example illustrated is for the platform size 1120x1480 mm, shaft size 1250x1560 mm).



## Pit/aluminium ramp

The pit should be 60 mm deep, for the lift floor to be level with the bottom floor. The elevator can also be installed without a pit, when an aluminium ramp option is ordered. Slope 1:12. (The pit floor should be smooth, in level and dust-free).



## Fire protection

The shaft is made of aluminium profiles and sheet metal sandwich panels with mineral wool insulation. The shaft is not fire rated. Doors and door frames can be ordered in classes EI30/EW60, whereas the rest of the shaft needs to be fire protected locally. Plasterboard can be screwed

directly to the shaft (no closer than 10 cm from the edges of the shaft which may contain cables). Please note the shaft wall is 35 mm thick while the wall on the lift drive side is only 25 mm.

# Design guide

## Design guide

<b>Travel:</b>	Max 15 m
<b>Speed:</b>	0.15 m/s
<b>Stops:</b>	2-6 (Motala Home max 4)
<b>Doors:</b>	Swing door 900/1000x2000/2100 mm
<b>Rated load:</b>	500 kg (400 kg for Motala 2000 Home)
<b>Head room:</b>	2230 mm above top finished floor 1300 mm half-door (option)
<b>Supply voltage:</b>	Single phase 230-240 V/10A
<b>Drive system:</b>	Guided chain system with lifecycle greased gear and 0.75 kW asynchronous motor. Safety gear and overspeed governor.
<b>Shaft:</b>	Self-supporting enclosure. No need for conventional shaft. Shaft height on top floor is 2200 mm or 1300 mm with half-door*. Lift shaft can be glazed on all sides (option).
<b>Pit:</b>	60 mm depth, alternatively a ramp
<b>Platform:</b>	L-shaped platform with safety edge
<b>Control system:</b>	PLC-system med micro processor, max 500 kg
<b>Emergency lowering:</b>	Manual or electric emergency lowering to lowest level.
<b>Alarm:</b>	Battery-powered, automatically recharging alarm system. Emergency buzzer. Optionally two-way voice connection to 24-hour manned service centre.
<b>Certification:</b>	Fulfills European Union Machinery Directive 2006/42/EC and European Harmonized Standard EN81-41

*\*With half-door, max travel is 3 m*



## Motala 2000 is available in three different versions:

- **Motala 2000 Home** for private villas
- **Motala 2000** for public buildings
- **Motala 2000 XL** with extra large platform

Dimensions in mm	Motala 2000 Home	Motala 2000	Motala 2000 XL
Shaft size	1150 x 950	1150 x 1560	1150 x 1760
Platform size	1020x 870	1020 x 1480	1020 x 1680
Shaft size	1250 x 950	1250 x 1560	1250 x 1760
Platform size	1120 x 870	1120 x 1480	1120 x 1680
Shaft size	1350 x 950	1350 x 1560	1350 x 1760
Platform size	1220 x 870	1220 x 1480	1220 x 1680

Well size is shaft size + 30 mm



## CONTACT

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