

MOTALA

H I S S A R

MC 2000

Largest Inside
Smallest Outside



The most efficient lift
for disabled access and
low speed applications

TECHNICAL INFORMATION
AND ADDITIONAL OPTIONS

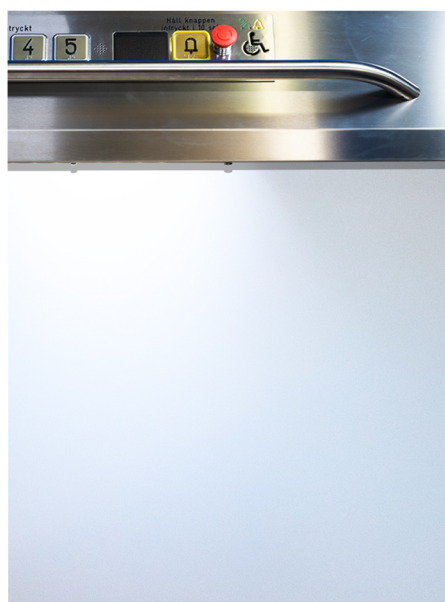


www.motalahissar.se



Motala 2000 design can be adapted in many different ways to blend in with modern architecture and environments. The design options are presented in this folder to facilitate planning and decision making. (O) Option. (*) Vinyl flooring.

Platform



Standard

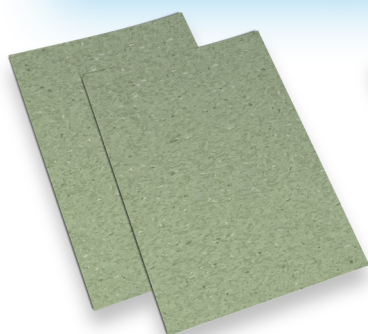


Exclusive Oak (O)



Exclusive Steel (O)

Floor Options



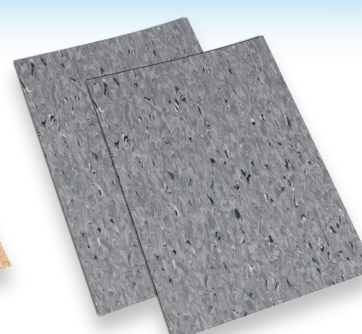
GREEN



DARK OAK



YELLOW



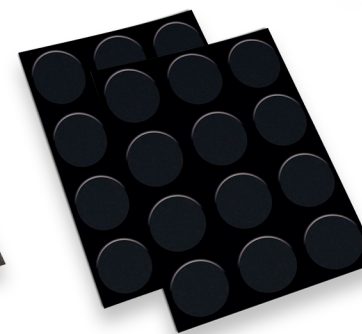
GRAY



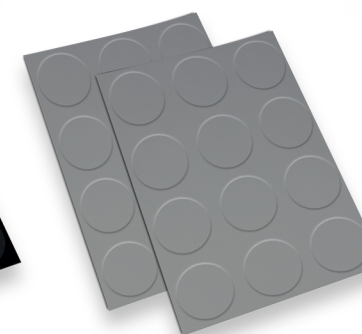
LIGHT GRANIT



DARK GRANIT



BLACK COIN
PATTERN



GRAY COIN
PATTERN

Glass Options



Ocean 1



Ocean 2



Smoke 2



Bronze 1



Bronze 2



Frosted 1



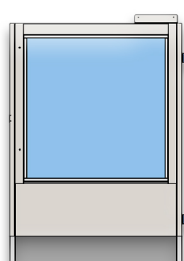
Frosted 2

DOOR HAND RAIL & HANDLE

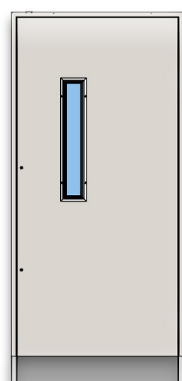


COLOURS

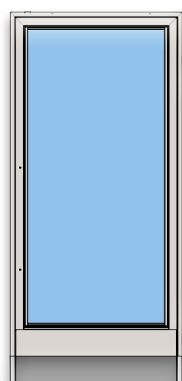
FOR LIFT SHAFT, DOORS & PLATFORM
RAL -SCALE



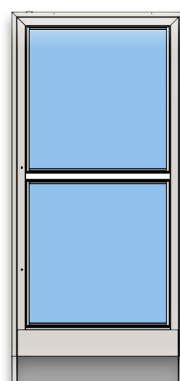
1A



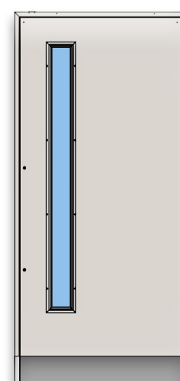
1C(T)



1G(T)



1D

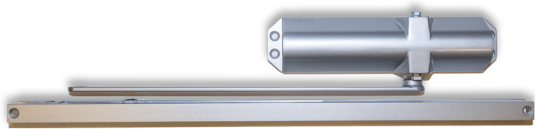


1C(T)

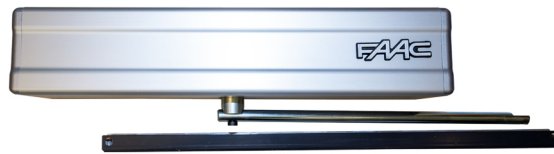
- 1 H is available as certified fire door E130/EW60
- 1D is available as certified fire door EE130
- 1C is available as fire door E160.

Additional Options

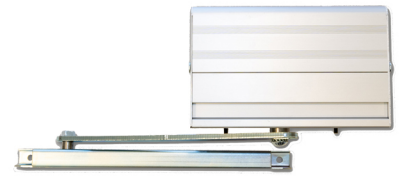
● Automatic Swing Door



Manuel swing

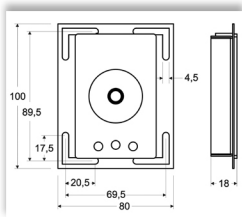


Faac intelligent



MH swing

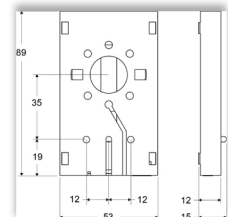
● Emergency Phone



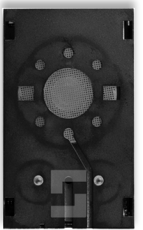
SafeLine MX2



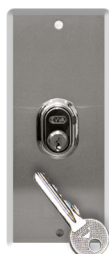
SafeLine GL1



SafeLine MX3



● Key Operation



Assa



Ronis



Sheaffer

● Folding Chairs



Black Laminate



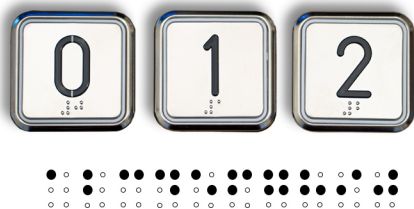
Oak



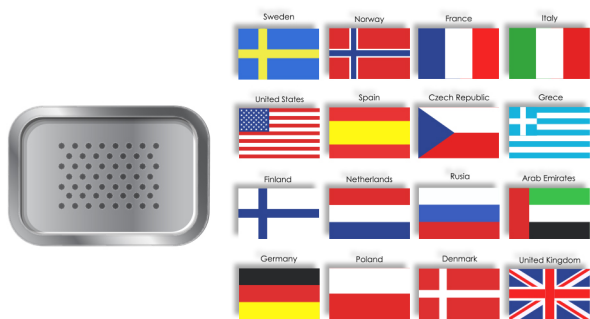
Bech

Additional Options

- Braille Signalization



- Audible Announcements



- Extra Wide Doors (1000 mm).



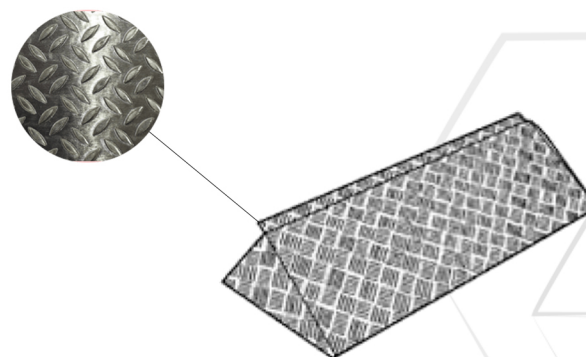
- Floor Indicator



- LED Lights



- Ramp



- Landing Floor Buttons

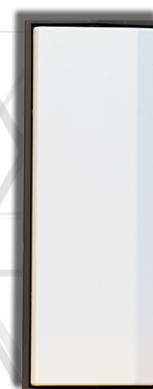
Landing floor buttons away from the platform lift for easier use by people in wheelchairs



Floor Buttons In The Wall



Floor Buttons In External Box



Elbo push transmitter



Elbo push receiver

Installation Example

Of Shaft Size 1250x1560 mm



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● 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.

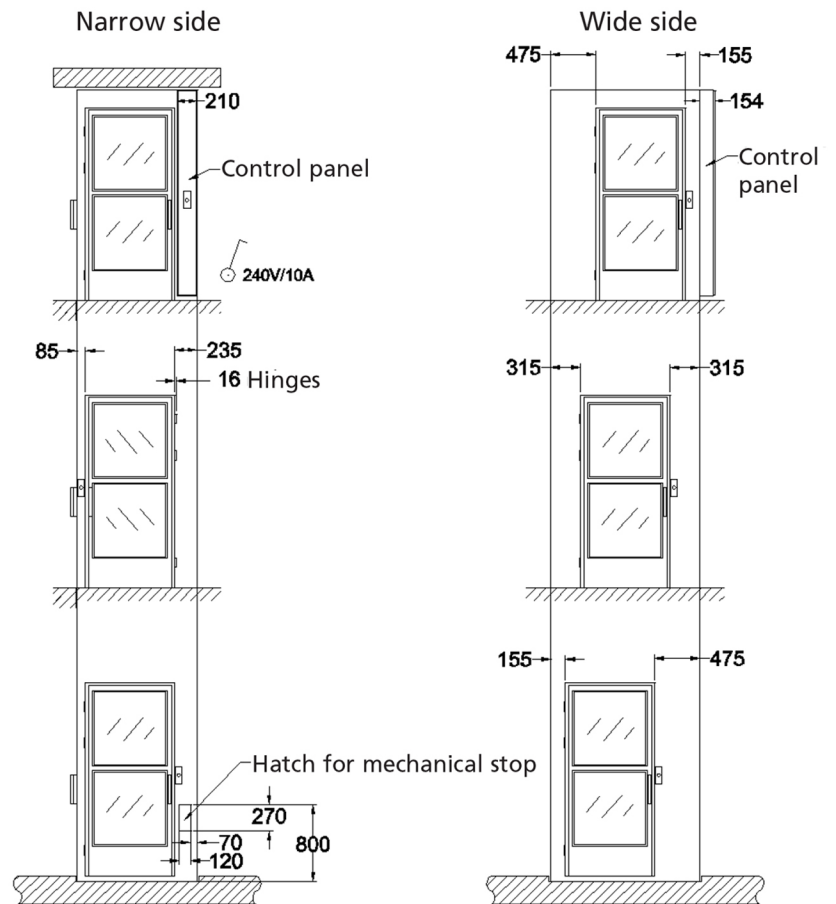
The Control panel is integrated into highest floor door frame.

At the lowest floor door frame there is a lever inside loust door frame (pit prop).

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

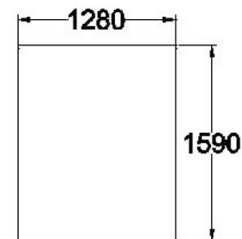
Ceiling height at front door when an automatic opener is used should be minimum 2200mm. For manual door closers 2150mm height is needed.

If the door height 1900mm is used, the above dimensions are reduced by 100mm.



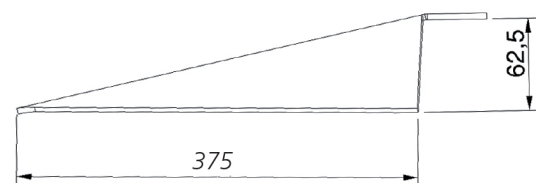
● Shaft installation space

Shaft installation space refers to the floor opening and free vertical space on each level needed for installation of the lift. This is 30mm larger than the finished elevator shaft dimensions. (The example illustrated is for the platform size 1120x1480mm, shaft size 1250x1560mm).



● Pit/Aluminium ramp

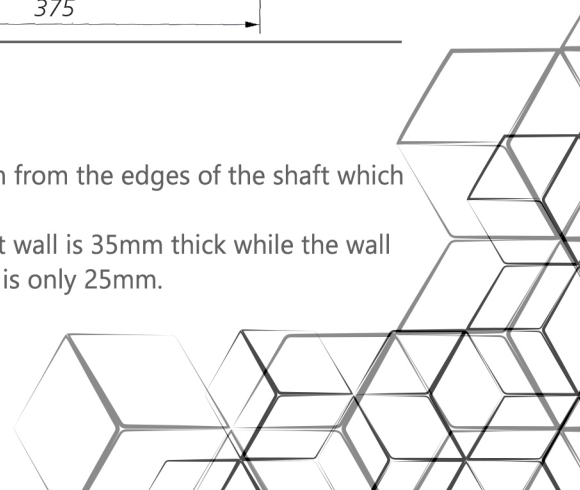
The pit should be 60mm deep, for the lift floor to be level with the bottom floor. The elevator can also be installed without a pit, when an aluminum ramp option is ordered. (The pit floor should be smooth, in level and dust-free).



● 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,

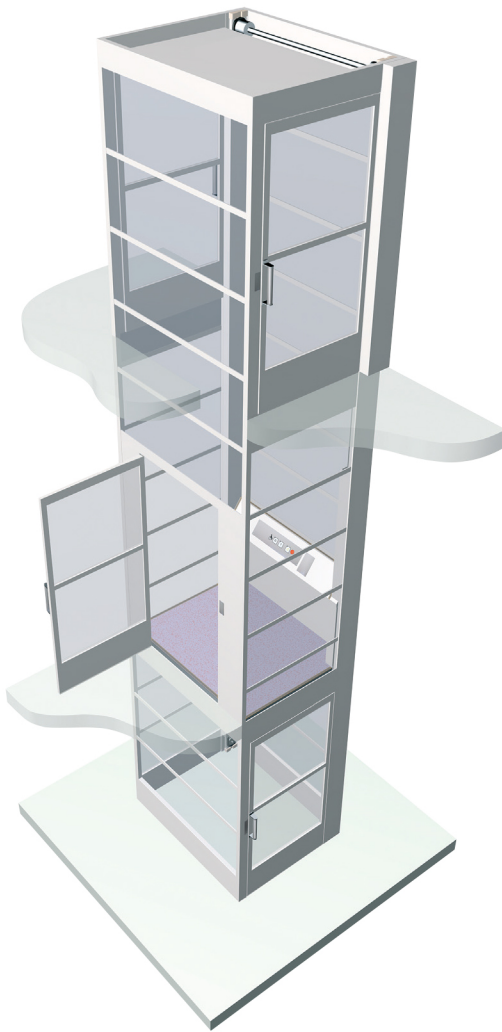
(no closer than 10cm from the edges of the shaft which may contain cables). Please note the shaft wall is 35mm thick while the wall on the lift drive side is only 25mm.



Design Guide



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• Lift for indoor installation only

Travel:	Max 15m.
Speed:	0.15 m/s.
Stops:	2-6 (Motala 2000 Home max 4).
Doors:	Swing door 900 x 2000 mm.
Rated load:	500 kg (400 kg for Motala 2000 Home).
Headroom:	2230 mm above top finished floor (1300mm half-door option available).
Supply voltage:	Single phase 230-240 V / 10 A.
Drive system:	Drive system: guided chain system with lifecycle greased gear and 0.75 kW asynchronous motor. Safety gear and overspeed governor.
Shaft:	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.
Pit:	60 mm depth, alternatively a ramp. Platform: L-shaped platform with safety edge. Control system: PLC-system micro prosesor.
Emergency lowering:	Manual or electric emergency lowering to lowest level.
Alarm:	Alarm: Battery-powered, automatically recharging alarm system. Emergency buzzer. Optionally, two-way voice connection to 24-hour manned service centre.
Certification	fulfills European Union Machinery Directive 2006/42/EC and European Harmonized Standard EN81-41.

* with half-door, max travel is 3m

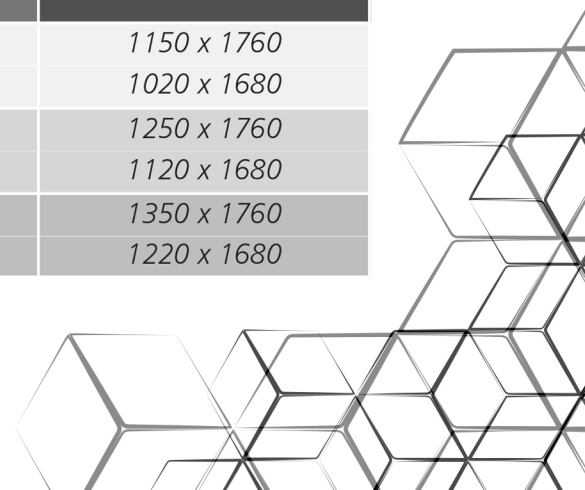
• Dimesions

Motala 2000 is available in three different versions:

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

	Motala 2000 Home	Motala 2000	Motala 2000 XL
Shaft size	1150 x 950	1150 x 1560	1150 x 1760
Platform size	1020 x 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 + 30mm



LARGEST INSIDE SMALLEST OUTSIDE



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