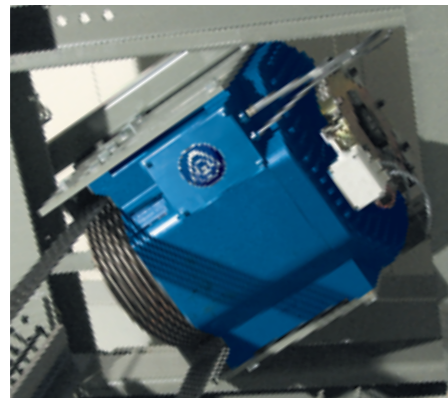


# The Evolution® flexible – The New Combination of Power and Flexibility.

## A Wider Range of Capacities, More Individual Planning.



## Evolution® flexible. Figures, Data, Facts.

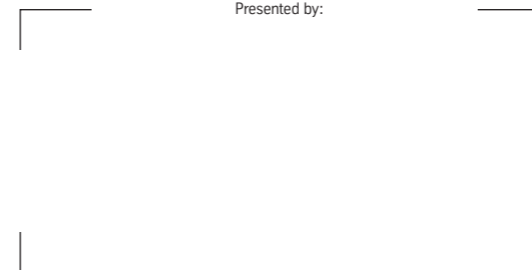
<b>Nominal load</b>	<b>(kg)</b>	630 - 1,050	1,000 - 1,650 <sup>2)</sup>
<b>Open-through</b>		yes (car depth ≥ 1,600)	yes
<b>Max. car weight</b>	<b>(kg)</b>	1,500	2,400
<b>Speed</b>	<b>(m/s)</b>	1.0 - 1.6	1.0 - 1.6
<b>Passengers</b>		8 - 14	13 - 22
<b>adjustable car dimensions:</b>		variable within a grid of 50 mm	variable within a grid of 50 mm
<b>Car width</b>	<b>(mm)</b>	1,100 - 1,600	1,200 - 2,400
<b>Car depth</b>	<b>(mm)</b>	1,400 - 2,100	1,400 - 2,400
<b>Car height</b>	<b>(mm)</b>	2,200 - 2,300	2,200 - 2,700
<b>Doors</b>		Comfort Door S8/K8	Comfort Door S8/K8
<b>Door type</b>		Telescopic opening sliding door M2T Central opening sliding door M2Z	Telescopic opening sliding door M2T Central opening sliding door M2Z Telescoping central sliding door M4TZ
<b>Door width</b>	<b>(mm)</b>	900 - 1,100	900 - 1,400
<b>Door height</b>	<b>(mm)</b>	2,000 - 2,100	2,000 - 2,500
<b>Headroom height <sup>1)</sup></b>	<b>(mm)</b>	3,650 (3,750 at 1.6 m/s)	4,000 (4,200 at 1.6 m/s)
<b>Pit depth</b>	<b>(mm)</b>	1,400	1,400
<b>Maximum travel height</b>	<b>(m)</b>	50	60
<b>Max. no. of stops</b>		40	50
<b>Suspension</b>		2:1	2:1
<b>Type of drive</b>		Thyssen Mini gearless® DAF 210L	Thyssen Mini gearless® DAF 270M
<b>Traction sheave diameter</b>	<b>(mm)</b>	360	440
<b>Drive weight</b>	<b>(kg)</b>	approx. 320	approx. 570
<b>Control system</b>	<b>Type</b>	CPI 15E - CPI 26E	CPI 50R with energy recovery
<b>Number of trips</b>	<b>t/h</b>	180	180
<b>Control:</b>		decentralised control	decentralised control
		Single board processing unit TCM-MC3 in car control panel	Single board processing unit TCM-MC3 in car control panel
<b>Stopping accuracy</b>	<b>(mm)</b>	+/- 5	+/- 5

<sup>1)</sup> for car heights of 2200/2300 mm a headroom height +100 mm applies, higher car heights increase the headroom accordingly.

<sup>2)</sup> nominal load up to 1800 kg with a rated speed of 1.0 m/s possible. On request, max. car weight restrictions apply.

<sup>3)</sup> For planning details please refer to our planning documentation.

Presented by:



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A Company  
of ThyssenKrupp  
Elevator

## ThyssenKrupp Aufzüge



ThyssenKrupp

## Gain Valuable Additional Space in the Building and for Your Planning Purposes.

The Evolution® flexible is Setting New Standards in the Area of “Large Passenger Elevators/Smaller Freight Elevators”.

The Evolution® flexible does not require a machine room and is the innovative elevator system in any situation.

### 1,650 kg at 1.6 m/s within the scope of variable car dimensions.

Power and flexibility, performance and perspectives: the Evolution® flexible provides you with a combination of these benefits on a path-breaking level. This is ensured by 1,650 rated load at a rated speed of 1.6 m/s or 1,800 kg at 1.0 m/s as well as variable car dimensions – strengths which make the Evolution® flexible an ideal solution, wherever a large passenger elevator or a smaller freight elevator is required.

For example, in highly frequented office buildings or in shopping centers. But also for hospitalbed transportation in clinics, the Evolution® flexible will be an ideal choice.

Thus, the Evolution® elevator system allows you to choose from a wide range of applications. The adaptability of car dimensions will no longer restrict your design considerations in terms of space. Furthermore, additional valuable space is gained for rent or sale due to the non required machine room. Convince yourself of the excellent economic benefits of the Evolution® elevator system.



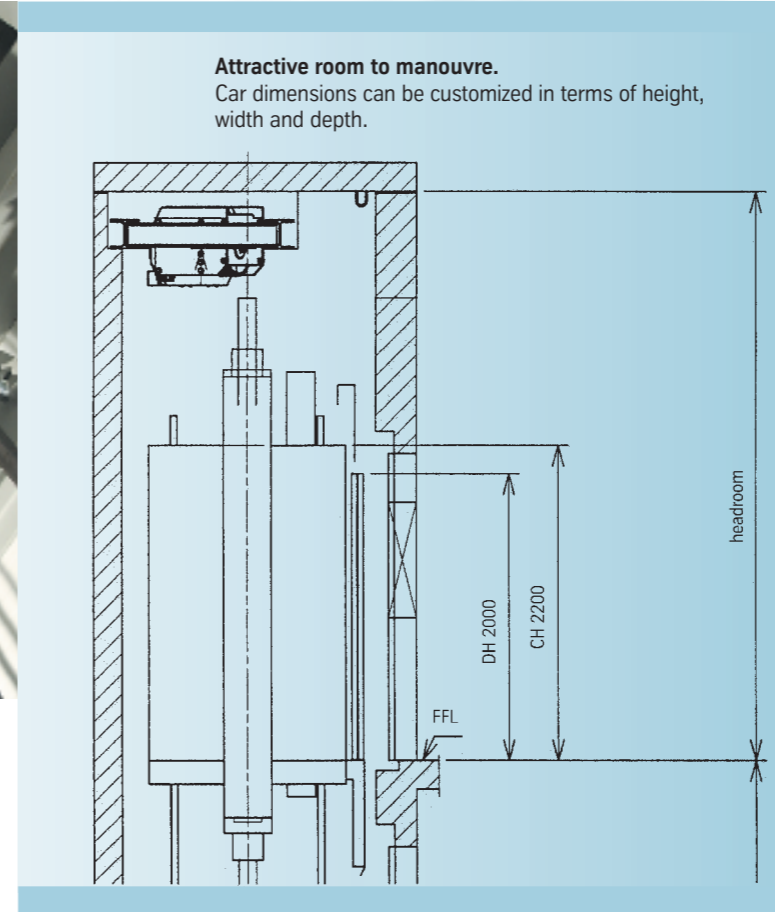
1.650 kg  
1,6 m/s



### Innovative solutions

#### require a corresponding drive.

Thyssen Mini gearless® meets this demand by providing you with a high performance drive without the need for oil or maintenance. Thanks to its extremely compact dimensions, it can be easily integrated into the headroom while taking up a minimum of space. This is where the frequency controlled, low-noise drive displays a constant exemplary efficiency factor for high ride quality, economic operation and maximal availability. Top flexibility definitely deserves a highly sophisticated power system: the future-oriented drive solution Thyssen Mini gearless®.



### Elevator with no limits.

The Evolution® flexible offers all options for elevator use. Just make your decision. It is up to you whether you want to use it as a passenger elevator or as a freight elevator in office buildings, shopping centres or for hospitalbed transportation in clinics. Anyway – the elevator innovation by ThyssenKrupp Aufzüge is an ideal solution in any situation.

## Technology and product advantages. Tailored to your needs and future-oriented.

- ▶ The elevator system without machine room offers a wide variety of possible uses, ranging from large passenger elevators, to smaller freight elevators and elevators for the transportation of hospitalbeds.
- ▶ Standard design includes roller guides\* for a clean well, highest drive properties, and reduced energy consumption.
- ▶ Up to 1,650 rated load at a speed of 1.6 m/s provides a path-breaking combination of power and flexibility (1,800 kg at 1.0 m/s, available on request).
- ▶ Thyssen Mini gearless®, the low-noise synchronous gearless drive that does not require any additional forced ventilation. Taking up only a minimum of space in the headroom. Frequency controller CPI 50 R with integrated energy recovery.\*
- ▶ Ideal control behaviour to achieve a high level of jerk-free ride quality combined with first-class efficiency at low operational costs and exemplary availability.
- ▶ Energy-saving operation, power recovery\* and oil-free operation advocate the environmentally friendly nature of the drive system.
- ▶ Extraordinary life span due to the exclusive use of quality materials and only a small number of wear-prone, mechanical components.
- ▶ Decentralized control with a single-board processing unit TCM-MC3 integrated into car control panel.
- ▶ Supplied with Thyssen comfort door S8/K8 as standard equipment (telescopic and central opening doors).

\* Applicable for the design at a rated load between 1,000 and 1,650 kg.

## Flexibility and design. Customized and attractive.

- ▶ Adjustable car dimensions in terms of height, width and depth make the Evolution® flexible a high-end solution for individualized planning.
- ▶ Perfect planning with modular design.

### Evolution® – The programme.

There are always different requirements. And always just the right Evolution® for the job. In addition to the Evolution® flexible, there is for example the Evolution® classic, the basic version of innovative and intelligent performance without machine room required. The Evolution® compact with no pit is ideal for smooth elevator installation if space is limited in downward direction or too expensive to open up. Finally, there is the Evolution® exterior to raise the value of existing residential complexes.

For individual counselling, please do not hesitate to request any written information under [www.thyssen-aufzuege.com](http://www.thyssen-aufzuege.com)