



Dynaco I-14P PANEL

**Sectional
door**



outside door

Dynaco I-14P PANEL

THE NEXT GENERATION OF INDUSTRIAL OVERHEAD SECTIONAL DOORS

The Dynaco I-14P Panel overhead sectional door, with its modern, clean design, is one of the most stable and well-insulated overhead doors on the market.

It is suitable for all types of buildings, with regard to both function and appearance. High flexibility makes it possible to install this door in almost every type of environment.

The door slides up under the roof when opened, leaving the door opening completely free. The door is made of insulated panels. These panels are designed without thermal bridge to reduce thermal transmittance and consequent energy cost.

The Dynaco I-14P Panel overhead sectional door has been designed to meet all operational and safety requirements in the European Directives and the standards issued by the European Standardization Committee, CEN.

■ USER SAFETY:

Thanks to the balancing system heavy forces are supported. In case of a spring or cable break, its counterforce is lost. The door is therefore equipped with safety devices that can block downward door movement

■ ENERGY SAVING:

The door is made with insulated panels to provide minimal thermal transmittance, which reduces energy costs. Thanks to the broken cold bridge the energy consumption and risk of condensation and ice formation will also be reduced.

■ DURABILITY AND STRENGTH:

Super load distribution - Minimizing the risk of delaminating and cracks in the panel to ensure a longer lifetime.

■ MADE TO MEASURE:

This door is fully customizable.

■ WIND RESISTANT:

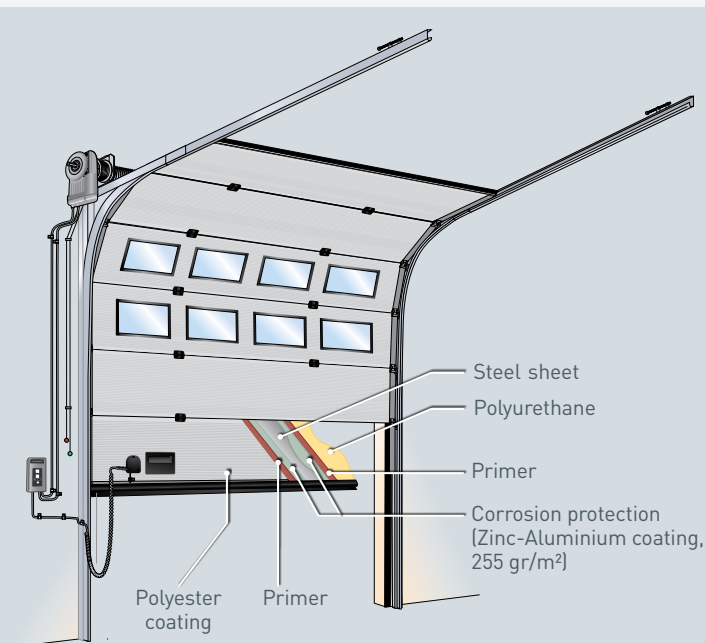
Wider door panels and panels with windows are reinforced with metal profiles that act as trusses.

■ ELECTRICAL OPERATION:

Optional: automated operation, access control, safety functions.

■ CONFORM TO EN 13241-1

Construction



Types of track



Sectional door

outside door



TECHNICAL FACTS																													
Max size: (W x H)	8000 x 6000 mm (larger sizes available on request)																												
Panel thickness	42 mm																												
Panel material	Microrilled steel																												
Filling	CFC-free polyurethane, flame retardant DIN 4102-B2																												
Weight	Steel: 13 kg/m ²																												
Colour outside	14 standard RAL colours. The RAL-colours are as close as possible to the official RAL HR collection.																												
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RAL7021		RAL9010																											
Colour inside	RAL9002																												
Track types	Standard: SL Optional: HL, LL, VL, HHL, SLL																												
Windows	Optional: DARP (rectangular), DAOP (oval), Framed section																												
Pass door	Optional: In door leaf with low threshold and standard threshold																												
Electrical operation	Optional: automated operation, access control, safety functions																												

PERFORMANCE	
Opening/closing speed	IDO7 operator: 0,25 m/s IDO7 HD operator : 0,18 m/s IDO7 2H operator: opening 0,5 m/s, closing 0,25 m/s
Life time expectations	Door: 100.000 door cycles or 10 years (in a normal industrial environment) Springs: 20.000 door cycles
Resistance to wind load, EN12424	Class 3 (≤ 4250 mm DLW*) (Higher classes on request)
Thermal transmittance, EN12428	1,0 W/(m ² .K) Steel door, full panel (Door surface 5000 x 5000 mm, no pass door) Thermal calculations on exact door sizes and configurations are available on request
Resistance to Water penetration, EN12425	Class 3 (no pass door)
Air permeability, EN12426	Class 3 (no pass door)
Acoustic insulation, EN ISO 10140-2	R - 25 dB (no pass door)

*DLW= Daylight width

Section options



Low threshold pass door

The 900 mm wide low threshold pass-door is designed with a sturdy and wide aluminium bottom profile of only 30 mm.



Normal pass door with 180 mm threshold

This pass door is constructed with the standard bottom section and bottom seal. A reinforcement truss ensures the door's sturdiness and resistance to wind load.



Full-vision panels with windows

Several different types of windows in single or double acrylic (frosted or tinted) or hardened glass are available.



Windows

Several variations of windows in different materials with burglar resistant frames are available.

Access and automation options



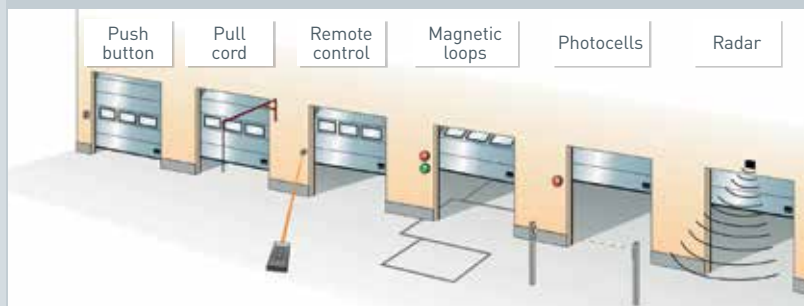
Assisted manual operation
Two different types of chain hoist are available, depending on door weight.



All manual doors can be upgraded with electric motors and automation.






Complete lock including handle and cylinder for both sides or inside only. Any door equipped with an electrical lock can be remotely locked by means of a switch or via a PC.



Installation dimensions and track systems

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TYPE OF TRACK		DLW*	DLH*	HEAD-ROOM	SIDE CLEARANCE				DEPTH
					Manually	Manual chain hoist Model K up to 400 kg	Electric drive		
		Direct drive							
						ID07 ID01HD	ICH (Integrated Chain Hoist) ID03		
SL		≤ 8000	≤ 4500 > 4500	485 510	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH + 600 mm
SLL		≤ 5500	≤ 4250	400	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH + 900 mm
LL		≤ 8000	≤ 6000	265/300*	132 mm	+96 or +146mm depending on type	+ 172 mm	+ 40 mm	DLH + 1250 mm
* Doorweight > 250 kg, and/or pass door									
HL		≤ 8000	≤ 6000	320/370*	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH-HL + 950 mm
* if HL > 3400 mm HL as VL mounted on a carrier (HL at least 1500 mm) (DLW < 6000)									
HHL		≤ 8000	≤ 6000	260/285	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH-HL + 1100 mm
VL		≤ 8000	≤ 5500	DLH + 365	110 mm	+106 or +168mm depending on type	+ 140 mm	+ 40 mm	525 mm
* DLW= Daylight Width / DLH = Daylight Height									



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About Dynaco

Founded in 1987, the Dynaco brand has a strong heritage and a wealth of expertise in high performance doors. Dynaco is committed to achieving excellence in quality and performance through a certified and dedicated network of partners, providing outstanding service to customers worldwide. Furthermore we trust our licensed partners in Russia, Japan, Vietnam and Brazil to deliver on our customer promises.

Dynaco is part of Entrematic—the home to some of the world's most innovative and leading brands within the entrance automation industry. The comprehensive range of product brands includes Ditec, Normstahl and em/Entrematic.