



**INDY GT-R**  
HIGH-SPEED  
SECTIONAL DOOR



**PRODOOR**  
SPECJALISTYCZNE BRAMY PRZEMYSŁOWE



**1,4 m/s**  
OPENING SPEED

THANKS TO HIGHER SPEED OF OPENING/CLOSING THERE IS POSSIBLE  
FASTER PASSAGE THROUGH THE DOOR

# MAIN POINTS FOR DEVELOPMENT



1.

Reaction to  
market  
needs



2.

Expansion of  
the product  
portfolio



3.

2v1



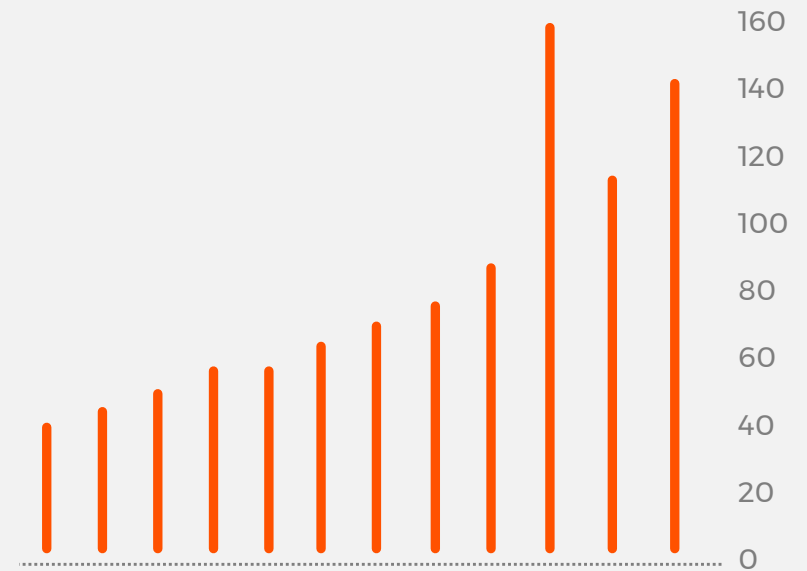
4.

Reduction  
of annual  
costs

## REACTION TO MARKET NEEDS

- Increased pressure on total building heat loss due to ever increasing energy prices in last years
- In 2020, **1 MWh** costs **45 EUR**
- In 2021, **1 MWh** costs **140 EUR**

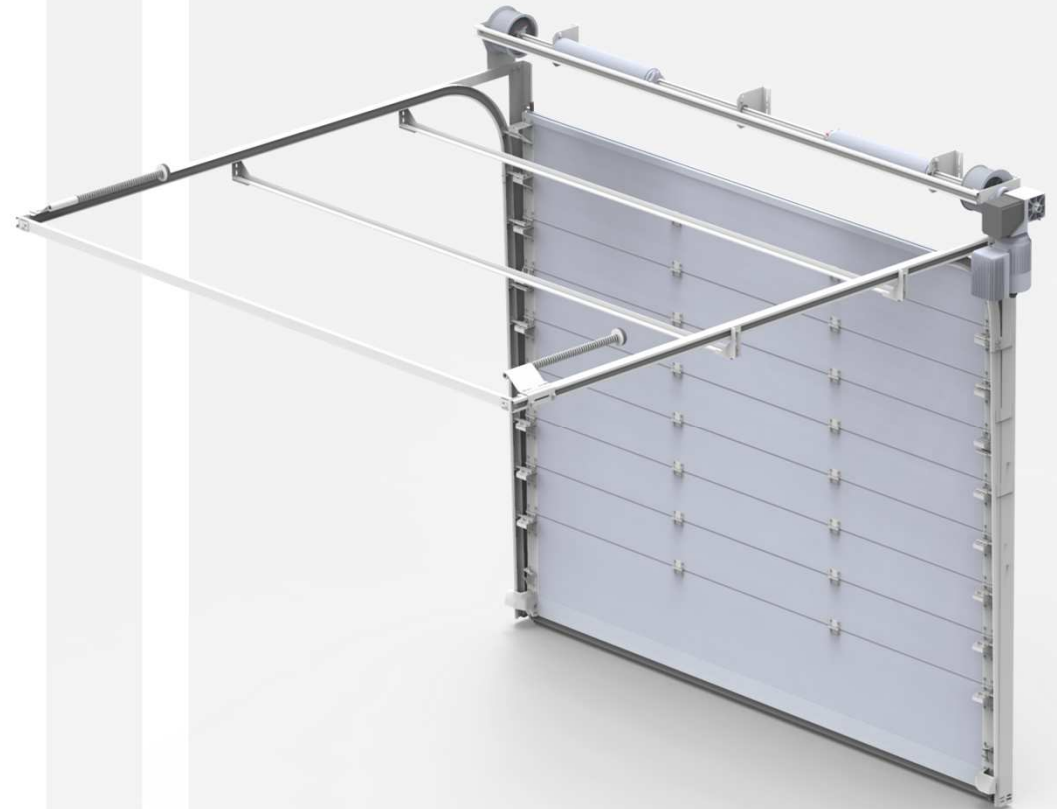
+ 225.6%



## EXPANSION OF THE PRODUCT PORTFOLIO

1. **INDY** - industrial door
2. **GUARDY** - garage door
3. **MANDOOR** - side entrance door
4. **2LD** - double leaf door

5. **INDY GT-R** - high-speed sectional door

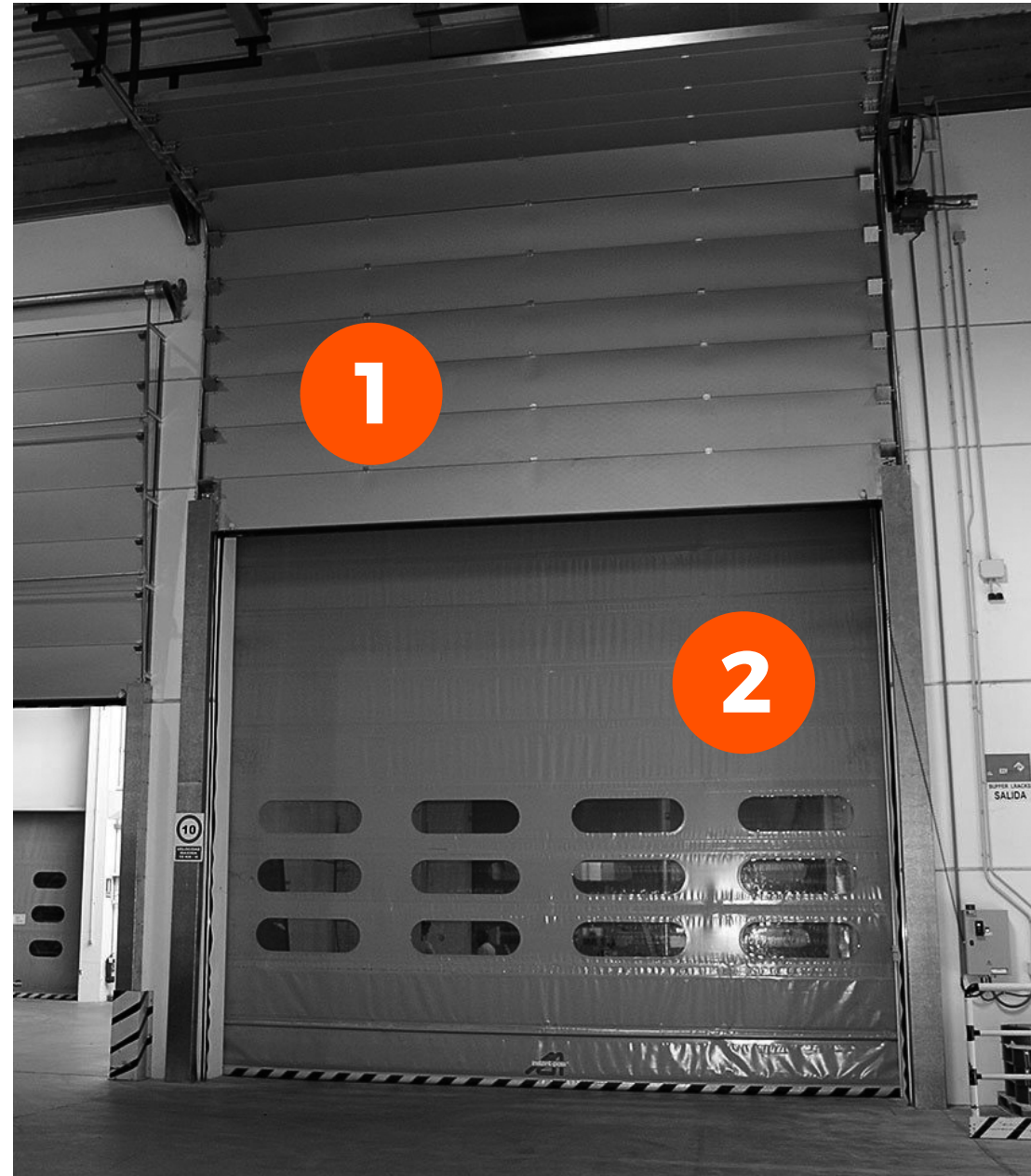


# 2v1

- Combining the excellent insulating properties of sectional door **1** with the speed of PVC gich speed doors **2**

» **INDY GT-R**

- One door = **one input cost**, one installation, one service



**4x**

**LOWER ENERGY LOSSES**  
COMPARED TO CONVENTIONAL  
SECTIONAL DOORS



# CASE HEAT LOSS SITUATION



European Door and Shutter Federation e.V.

	INDY	INDY GT-R
<b>Location</b>	Prague Wind Ø: 6.4 kn Air Ø: 5.6 °C	Prague Wind Ø: 6.4 kn Air Ø: 5.6 °C
<b>Building Type</b>	5000m <sup>2</sup> x 8m 40000m <sup>3</sup> (Logistic Hall) Air Ø: 18 °C Cooling system: Yes	5000m <sup>2</sup> x 8m 40000m <sup>3</sup> (Logistic Hall) Air Ø: 18 °C Cooling system: Yes
<b>Door Size</b>	5m x 5m 25m <sup>2</sup>	5m x 5m 25m <sup>2</sup>
<b>Door cycles per year</b>	20000	20000
<b>Air leakage m<sup>3</sup>/m<sup>2</sup>,h</b>	6	6
<b>Heat transmission U (W/m<sup>2</sup>.k)</b>	1	1.18
<b>Opening Time</b>	20 seconds	4 seconds
<b>Energy losses in relation to best Situation</b>	<b>375 % &gt; Situation 2</b>	<b>best Situation</b>

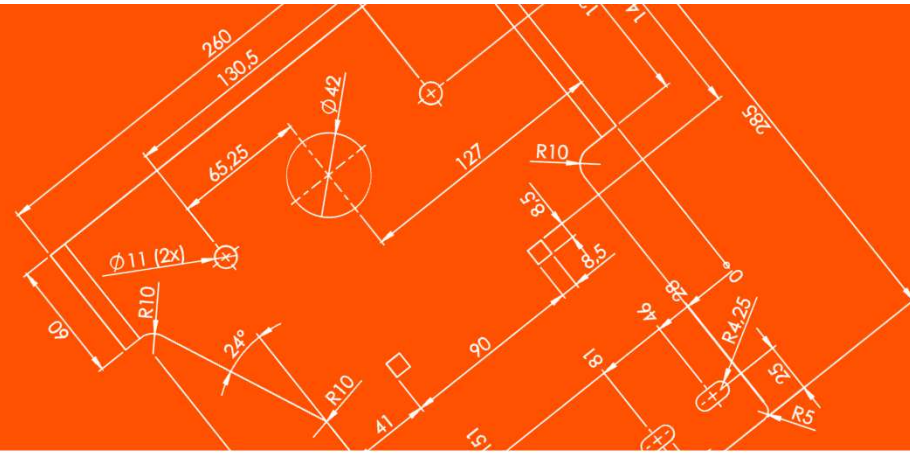




**6 m<sup>3</sup>/m<sup>2</sup>h**  
AIR PERMEABILITY

LOWER AIR CIRCULATION BETWEEN  
OUTDOOR AND INDOOR SPACES

# TECHNICAL SPECIFICATION



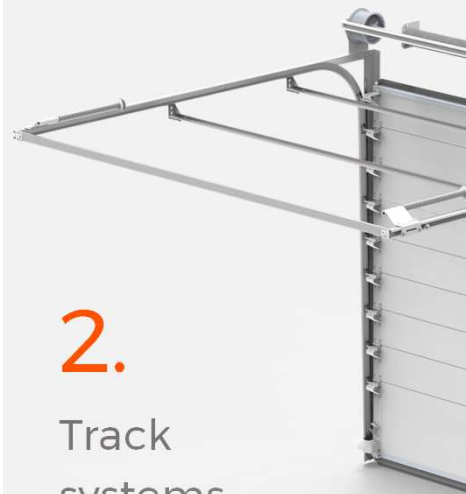
1.

Door  
leaf



2.

Track  
systems



3.

Drive and  
accessories



4.

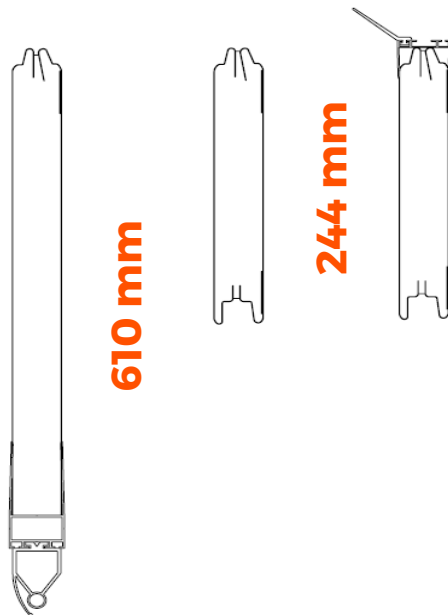
Packing, shipping,  
delivery



# DOOR LEAF

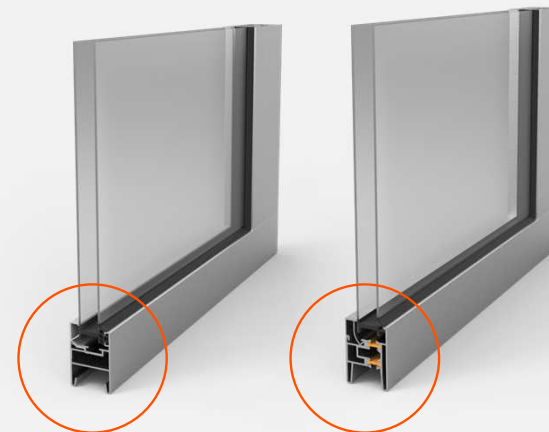
## Panels

PANEL HEIGHT OF 244 MM CAUSES THE SMOOTH PASSAGE THROUGH THE CURVE OF THE TRACK AND GIVES THE DOOR GREATER RIGIDITY AND STRENGTH



## Full vision sections - FVE

PANORAMA



Without thermal break or with thermal break

# TRACK SYSTEMS

## Types of track

- Maximum dimensions 5 000 mm x 5 000 mm



**CERTIFIED**



SL

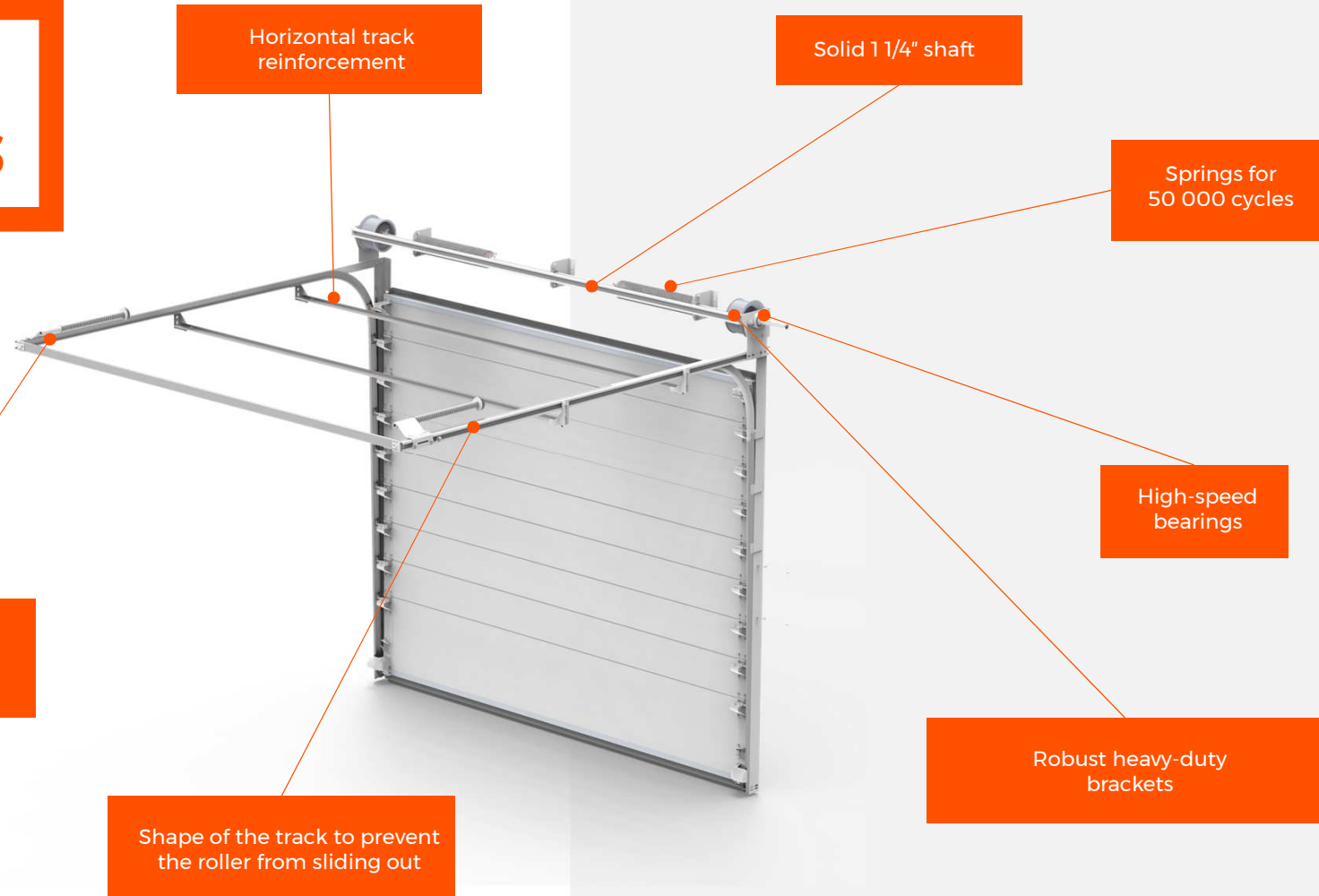


HL



VL

# TRACK SYSTEMS



Horizontal track reinforcement

Solid 1 1/4" shaft

Springs for 50 000 cycles

High-speed bearings

Robust heavy-duty brackets

Shape of the track to prevent the roller from sliding out

Height-adjustable silent spring stops with large seating area

# DRIVE

- Industrial drive
- Emergency control KE - chain
- Emergency control KU - crank
- Control unit with frequency converter
- Light grid with non-contact obstacle evaluation
- Wireless signal transmission as a safety feature on the door leaf

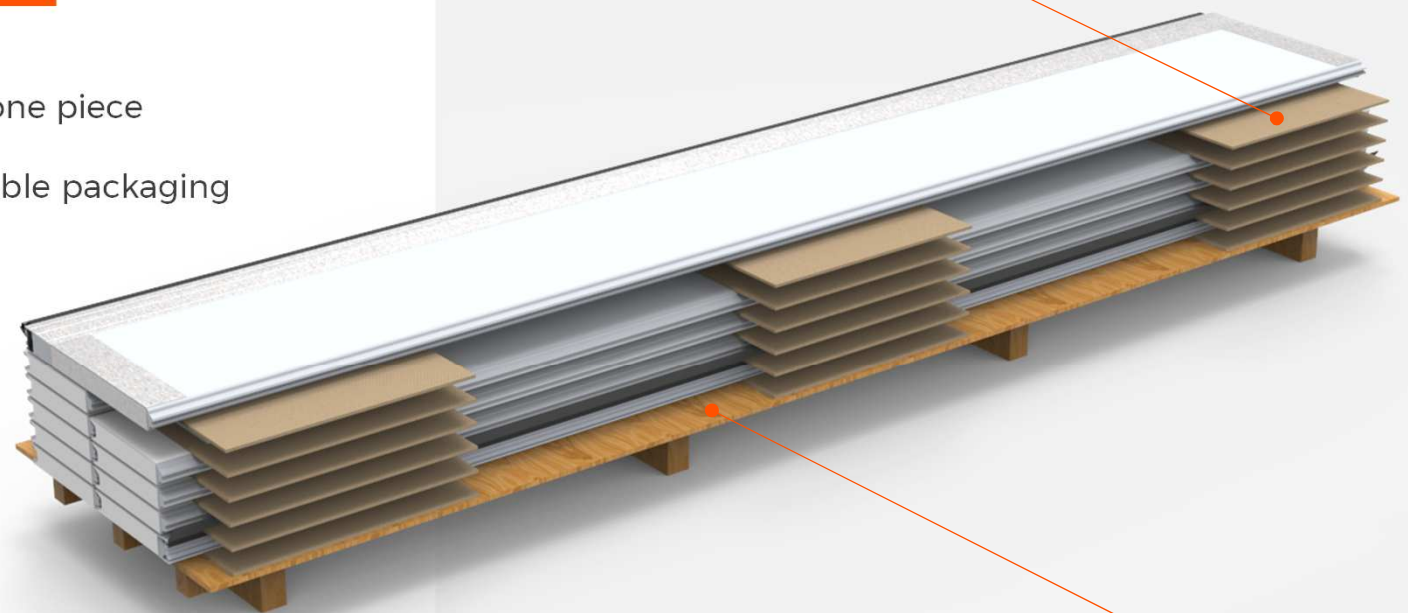


## HIGH-SPEED MOTOR

Torque 80 Nm

# PACKAGING AND SHIPPING

- Doors are always packed in one piece
- **Eco packaging** - fully recyclable packaging
  - Hardened paper
  - Chipboard



Hardened paper

Chipboard



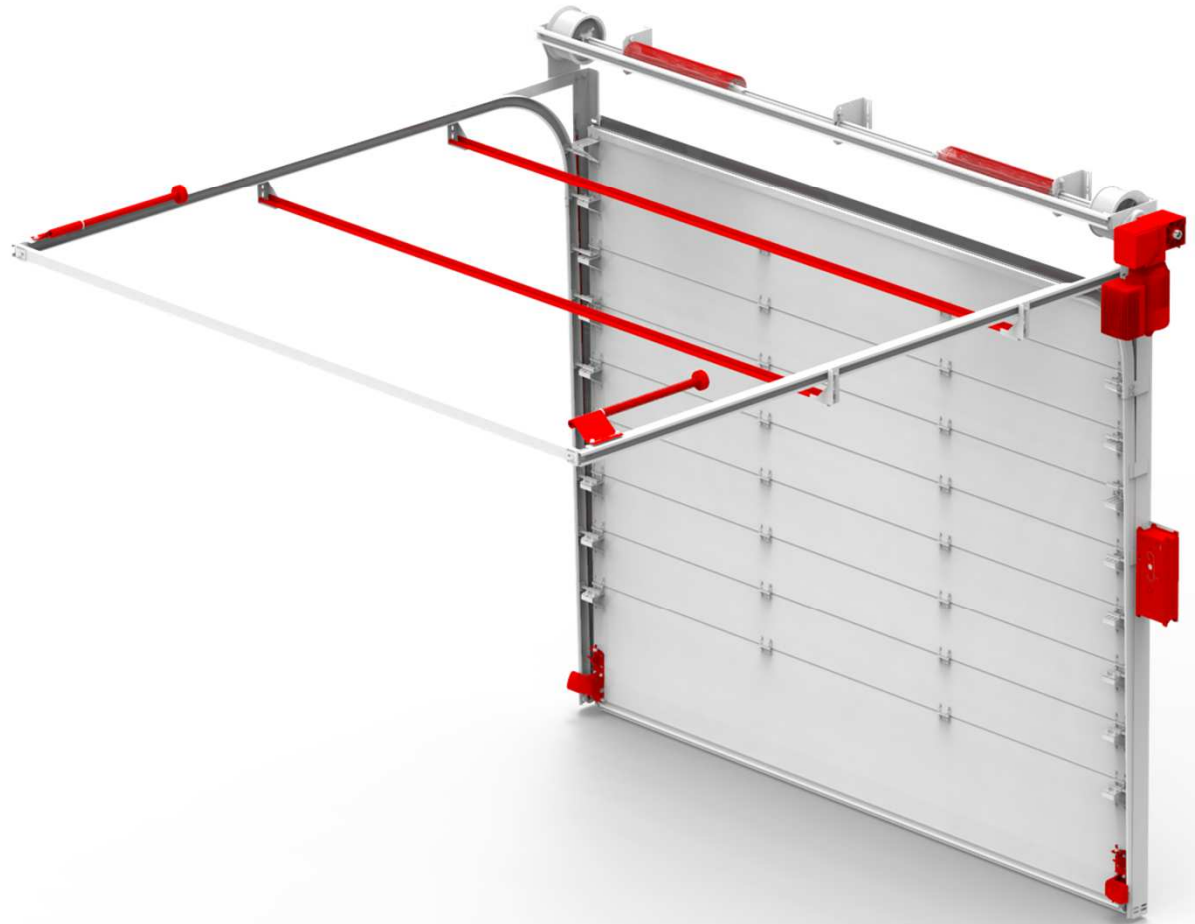
**1,18 W/m<sup>2</sup>K**  
THERMAL PERMEABILITY „U“

SAVINGS IN ENERGY CONSUMPTION  
FOR SPACE HEATING OR AIR CONDITIONING



# BASIC CONFIGURATION

- 40mm panel with polyurethane foam (PUR)
- Standard lift system - SL
- Springs for 50,000 cycles
- Solid 1 1/4" shaft
- Quiet spring stops
- Industrial drive
- Programmable control unit with frequency converter
- Light grid as a safety feature
- Fast wireless communication
- Cable break switch
- Number of perforated angles according to recommended anchor points determined by Installation drawing



# COMPARISON WITH INDUSTRIAL DOOR

Parameters	INDY	INDY GT-R
Width	5 000 mm	5 000 mm
Height	5 000 mm	5 000 mm
Section height	610 mm	244 mm / 610 mm
Opening speed	0,25 m/s	<b>1,4 m/s</b>
Panel thickness	40 mm	40 mm
Thermal permeability „U“	1,02 W/m2K	<b>1,18 W/m2K</b>



INDY

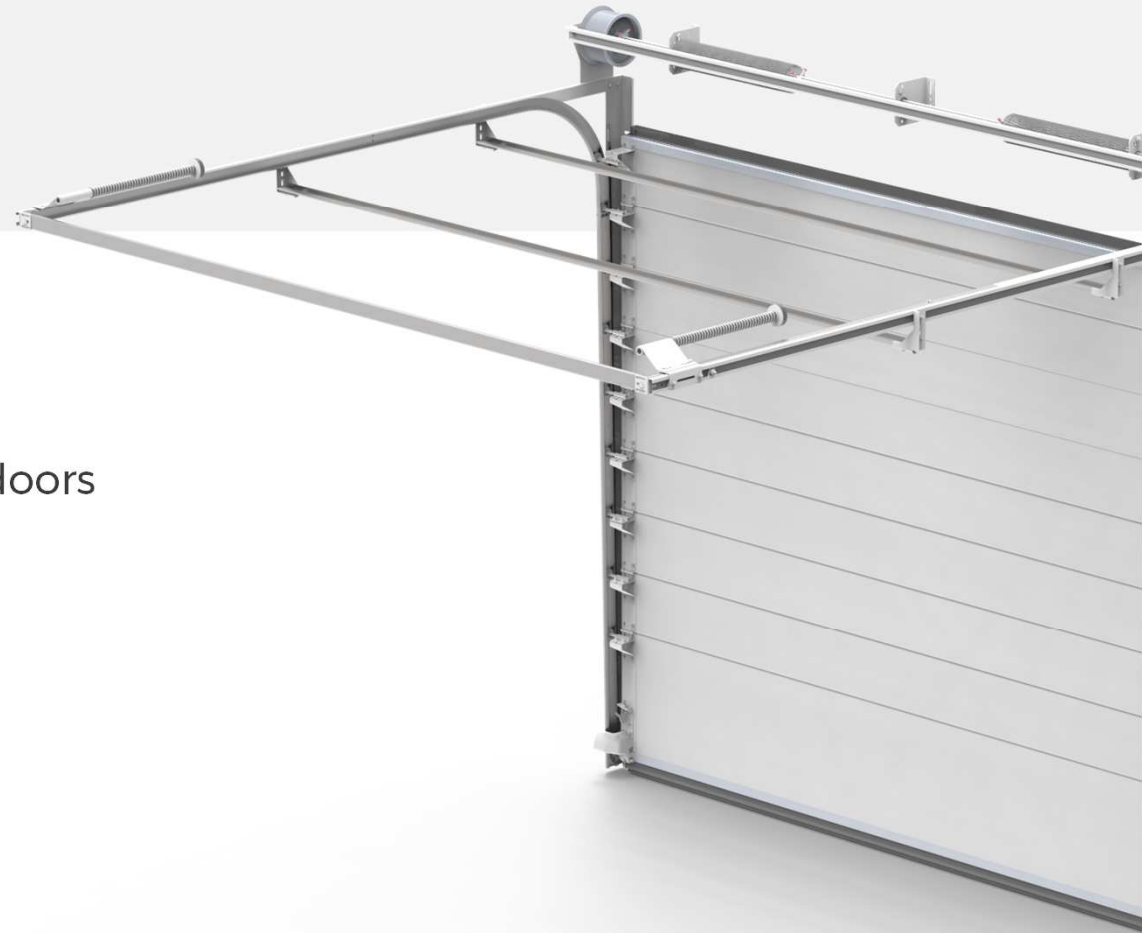


INDY GT-R

**4X**  
LOWER  
ENERGY  
LOSS

## NEW INDY GT-R

- Up to **5 times faster** than INDY doors
- GT-R has **4x lower heat loss** than INDY doors
- **1x** door & **1x** service & **1x** price
- Easy step-by-step installation using the installation manual
- No special training required



Thank you for your  
attention and we  
will be glad for  
any questions



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