

# GARAGE DOORS



## WISNIOWSKI

GATES | WINDOWS | DOORS | FENCES

## SECTIONAL DOORS UniTherm

**Intended use:** The sectional garage door is intended for use in private residential buildings. It was developed in response to the requirements of energy-efficient and passive buildings. The warm INNOVO panel with a thickness of 60 mm and a sealing system makes it possible to save energy. Heat losses have been eliminated even in the most affected areas.



Dla panelu 60 [mm]

### THERMAL INSULATION

The unique design of the INNOVO 60 mm panel ensures a low thermal transmittance factor. Steel panels are made of galvanized sheet, filled with freon-free, hardened polyurethane foam and coated with polyester paint on both sides. This ensures very good thermal insulation and acoustic properties.



### SAFETY

Safety systems focus on minimizing all traces of risk. Regardless of the method of operation, WISNIOWSKI doors ensure comfort, safety, and security. Our products are fully compliant with the PN-EN 13241-1 standard.



### FUNCTIONALITY

UniTherm doors are available with three track types. This makes it possible to install them even when installation conditions are limited. A properly selected track type enables you to take advantage of all the benefits that our door has to offer, regardless of whether the door is installed in newly built or refurbished buildings.



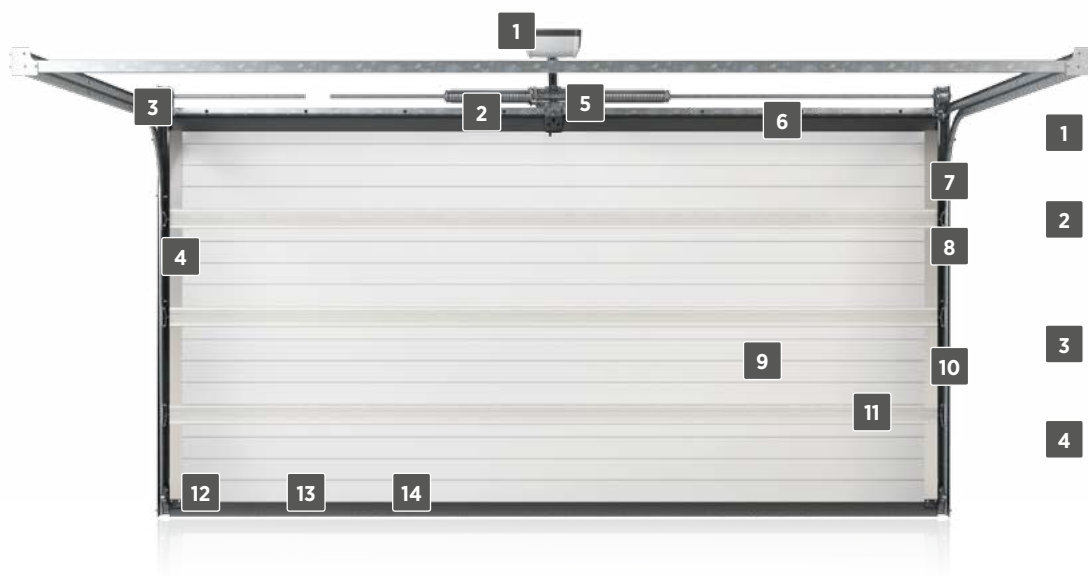


## KONSTRUKCJA BRAMY UniTherm

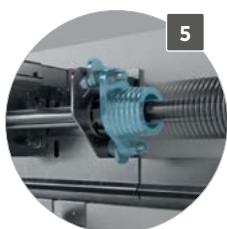
The sectional door is installed behind the opening, it opens vertically upwards, and does not take up any space in the driveway. Sectional doors let you use the space available in front of the door and inside the building to its maximum potential. The load-bearing structure and tracks are made of galvanized steel elements. Thanks to numerous safety systems, our doors are safe at every stage of opening and closing, regardless of the method of operation: manual or automatic.

The leaf weight is perfectly balanced thanks to the use of a torsion spring system. Springs are preselected with computer precision and guarantee the best balancing of the door, maximum comfort, and safety of use. The INNOVO 60 mm thick panels are designed so as to prevent fingers from being crushed. Another safety element is a panel joint cover system, which also serves as additional sealing and improves the door aesthetics. The door is fitted with double guiding rollers with bearings, which ensure proper guiding of the door leaf, while a dedicated profile of the tracks prevents derailing.

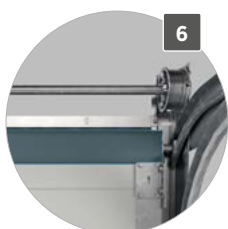
Large dimension gates are additionally reinforced with special elements that increase the rigidity of the entire structure. Door panels are coated with high quality polyester paints. This provides optimum protection against the weather conditions and ensures many years of operation. Thanks to the vast range of colours, WISNIOWSKI garage doors can be easily matched to the building's façade. WISNIOWSKI doors are an investment that stands the test of time.



- 1 Automatic operating units**  
Proven and reliable WISNIOWSKI powered by Somfy Metro or Moto drive units.
- 2 Drive shaft and springs**  
Spring system responsible for balancing out the door leaf weight. The guaranteed minimum number of cycles: 25,000.
- 3 Tracks and opening frames**  
Made of galvanized sheet, they provide a stable and durable structure.
- 4 Panel hardware in the RAL 9002 colour**  
The colour matches the panel colour on the inside.



**Integrated spring break safety device**



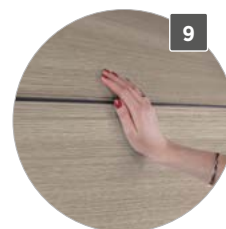
**Additional indoor cover**  
– for doors with standard dimensions



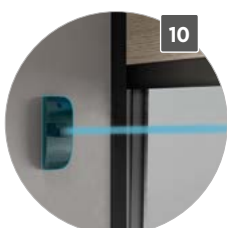
**Double-lip circumferential seal**  
Used as standard, it ensures improved sealing of the door.



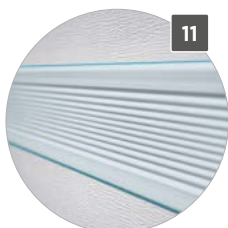
**Double guiding rollers with bearings**  
They ensure proper running of the door leaf.



**Special panel shape**  
They prevent fingers from being crushed.



**Photocells**  
They prevent uncontrolled door leaf operation when an obstacle is present within the clear passage – optional accessory.



**Flexible panel joint covers**  
Provide additional sealing and protection, cover the hinges, and elegantly finish off the door leaf.



**Cable break safety device**  
Prevents the door leaf from dropping if a cable breaks – standard in all UniTherm doors.



**Overload safety device**  
In automatic doors; the door leaf stops and reverses when the bottom edge contacts an obstacle.



**Double bottom gasket**  
High quality EPDM gaskets perfectly adapt to the shape of the floor and prevent water from penetrating under the door to the inside of the garage.



## PANEL STRUCTURE



### Robust and reliable design

Thanks to our robust and reliable design, you can rest assured that the door will meet even the most extreme requirements and withstand the most demanding operating conditions. Our purpose-designed original 60 mm thick INNOVO panel which features a **5-ply** sheet bending system is manufactured in-house and ensures good thermal and acoustic insulation, as well as durability and safety. The panel is made of galvanized steel sheet, infilled with freon-free polyurethane foam. The top section is fitted with a lip gasket and a flexible cover is provided on the inside between the panels. The internal side of the panel in the RAL 9002 colour.

## RIB TYPES



G - without ribs



W - high ribs

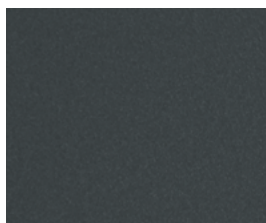
## TEXTURES



Smoothgrain



Sandgrain

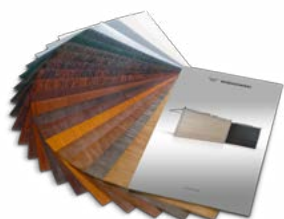


Silkline

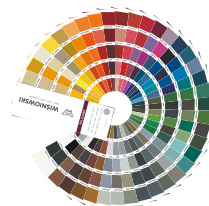


## AVAILABLE COLOURS:

<b>Antracyt</b> sandgrain	<b>Graphite RAL 7016</b> woodgrain	<b>Black RAL 9005</b> silklime	<b>Silver RAL 9006</b> silklime	<b>White RAL 9016</b> silklime	<b>Golden Oak</b> smoothgrain
<b>Walnut</b> smoothgrain	<b>Anthracite Grey 701605-167</b> smoothgrain	<b>Cream white 137905-167</b> smoothgrain	<b>Dark Green 612505-167</b> smoothgrain	<b>Metbrush silver F436-1002</b> smoothgrain	<b>Silbergrau 116700</b> smoothgrain
<b>White 915205-168</b> smoothgrain	<b>Chocolate Brown 887505-1167</b> smoothgrain	<b>Anthracite Quartz 436-1014</b> smoothgrain	<b>AnTEAK 3241002-195</b> smoothgrain	<b>Dark Oak 2052089-167</b> smoothgrain	<b>Swamp Oak 3167004-167</b> smoothgrain
<b>Summer Cherry 3214009-195</b> smoothgrain	<b>Macore 3162002-167</b> smoothgrain	<b>Oregon 1192001-167</b> smoothgrain	<b>Sapeli 2065021-167</b> smoothgrain	<b>Siena noce 49237 PN</b> smoothgrain	<b>Siena PL 49254-015</b> smoothgrain
<b>Siena rosso 49233 PR</b> smoothgrain	<b>Winchester 49240 XA</b> smoothgrain	<b>Black Cherry 3202001-167</b> smoothgrain	<b>Natural Oak 3118076-1168</b> smoothgrain	<b>Douglas Fir 3152009-1167</b> smoothgrain	<b>Rustic Oak 3149008-167</b> smoothgrain
<b>Sheffield oak brown F 436-3087</b> smoothgrain	<b>Sheffield oak light F 456-3081</b> smoothgrain	<b>Sheffield oak grey F 436-3086</b> smoothgrain	<b>Brusch schwarzbraun F436-1023</b> smoothgrain	<b>Earl platin 119500</b> smoothgrain	<b>Black ulti-mat PX47097</b> smoothgrain
<b>Woodec Turner Oak Malt F4703001</b> smoothgrain	<b>Woodec Sheffield Oak Alpine F4703002</b> smoothgrain	<b>Woodec Sheffield Oak Concrete F4703003</b> smoothgrain	<b>Umbragrau F436-6065</b> smoothgrain	<b>Fenstergrau F436-6066</b> smoothgrain	<b>Cremeweiss F456-6001</b> smoothgrain
<b>Anthrazitgrau F436-6003</b> smoothgrain	<b>Dark grey silk 4367003</b> smoothgrain	<b>Golden Oak 2178001-167</b> smoothgrain	<b>Walnut 2178007-167</b> smoothgrain		



Film coatings available with garage doors with the G panel – without ribs



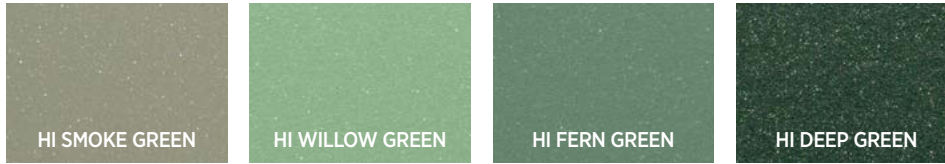
Our paint range includes over 200 colours from the RAL palette.



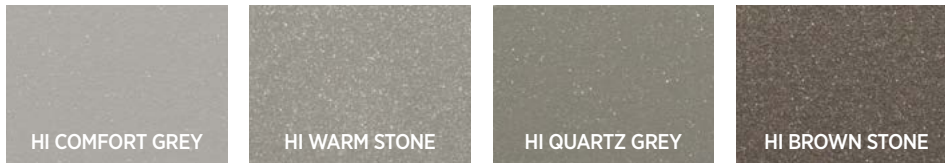
## HOME INCLUSIVE 2.0 colours

The Home Inclusive 2.0 colour collection combines four product groups: Gates | Windows | Doors | Fences, which provide a consistent design of all the products.

### HI EARTH



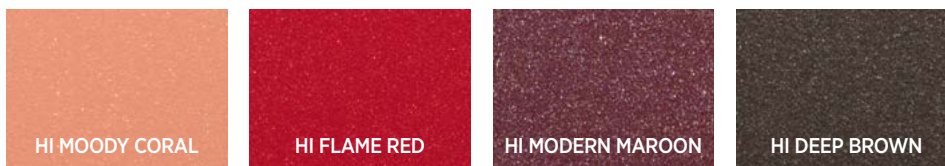
### HI STONE



### HI STEEL



### HI RUBY



Doors in light colours should be fitted on the side exposed to sunlight. It is not recommended to fit dark colour doors in such conditions, in particular RAL: 3007, 4006, 4007, 5004, 5008, 5010, 5011, 5020, 5022, 6008, 6009, 6015, 6022, 7015, 7016, 7021, 7024, 7026, 7043, 8014, 8019, 8022, 9004, 9005, 9011, 9017, 9021, Anthracite, Walnut, Macore, Dark Oak, Swamp Oak, Siena Noce, Siena Rosso, Quartz Anthracite, Summer Cherry, Sapeli, Dark Green, Sheffield Oak Brown, Rustic Oak, Chocolate Brown, Black Ulti-Mat, Brush Schwarzbraun, Umbragrau, Anthrazitgrau. When a dark colour is chosen for doors installed on the side exposed to sunlight, the panels can heat up, which may result in deformation. The door leaf cannot be painted from the inside. When ordering doors in matching colours in different orders (supply batches), the colour hues can differ due to technological reasons.

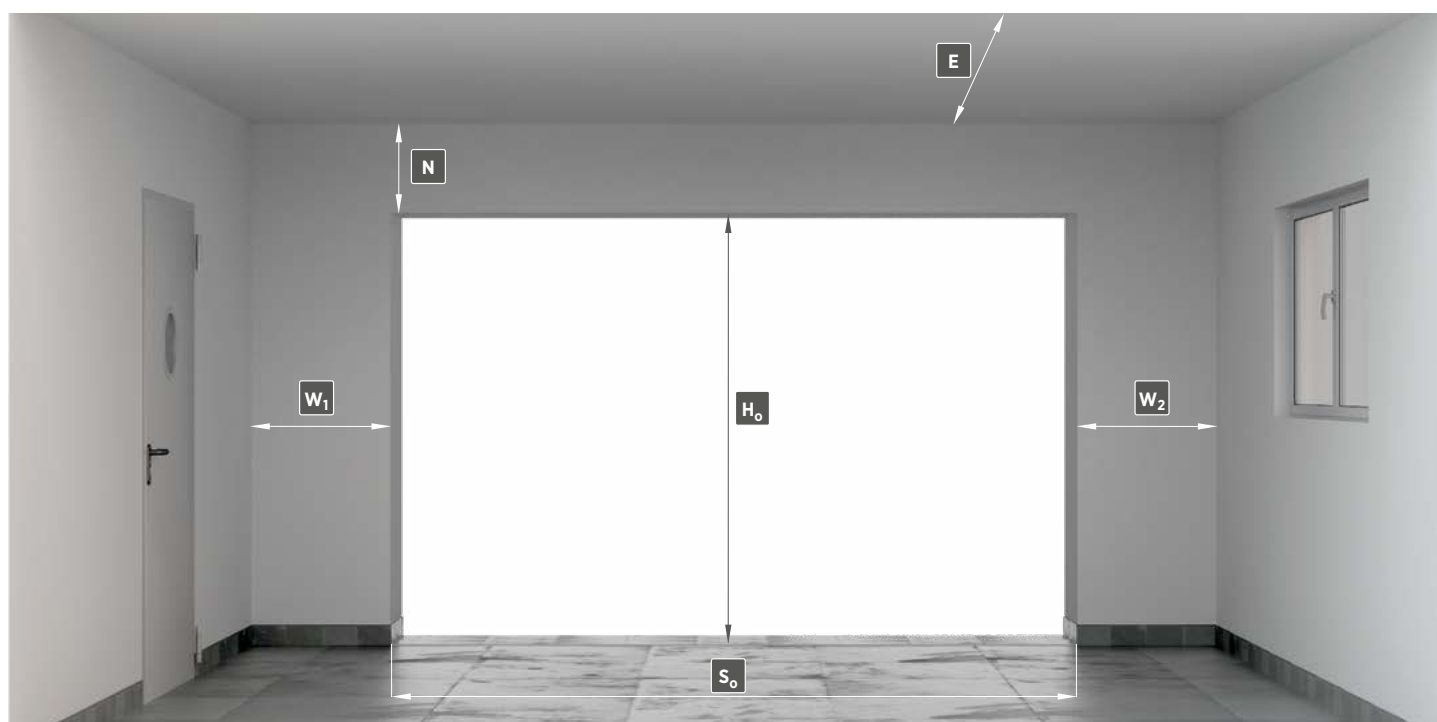


## U THERMAL TRANSMITTANCE FACTOR [W/M²K]

		Door width in [m]																
		2,250	2,375	2,400	2,500	2,600	2,750	3,000	3,250	3,500	3,750	4,000	4,250	4,500	4,750	5,000	5,500	6,000
Door height in [m]	2,000	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1	1	1	1	1	1	1	1	0,99
	2,100	1,1	1,1	1,1	1,1	1,1	1,1	1	1	1	1	1	1	1	0,99	0,99	0,98	0,97
	2,125	1,1	1,1	1,1	1,1	1,1	1,1	1	1	1	1	1	1	0,99	0,99	0,98	0,97	0,97
	2,200	1,1	1,1	1,1	1,1	1	1	1	1	1	1	0,99	0,98	0,98	0,97	0,97	0,96	0,95
	2,250	1,1	1,1	1,1	1	1	1	1	1	1	0,99	0,98	0,97	0,97	0,96	0,96	0,95	0,94
	2,375	1	1	1	1	1	1	1	0,99	0,98	0,97	0,96	0,95	0,95	0,94	0,94	0,93	0,92
	2,500	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1	1	1	1	1	1	1	1		
	2,650	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1	1						
	2,750	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98						
	2,875	1,0	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97							
3,000			1,0	1,0	1,0	1,0	0,98	0,97	0,96									

U thermal transmittance factor [W/m²K] of the UniTherm sectional doors (INNOVO 60 [mm] panel)  
The thermal transmittance factors are provided for doors without additional circumferential seals.

## INSTALLATION DIMENSIONS



- S<sub>0</sub>** – opening width, ordering dimension
- H<sub>0</sub>** – opening height, ordering dimension
- N** – minimum required lintel height

- W<sub>1</sub>** – minimum required side clearance
- W<sub>2</sub>** – minimum required side clearance
- E** – minimum garage depth with clearance under the ceiling



## TRACKS



### Sp tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks.

Minimum garage door dimensions:

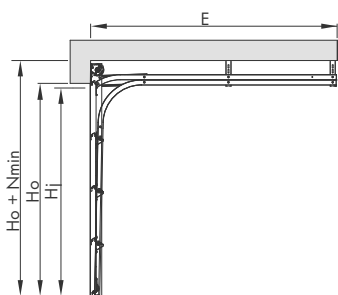
- $S_o = 2000$  [mm] and  $H_o = 1800$  [mm] – garage doors type

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> (H <sub>o</sub> ) in [mm] up to	Opening width <sup>(1)</sup> (S <sub>o</sub> ) in [mm] up to																
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500	6000
2000																	
2100																	
2125																	
2200																	
2250																	
2375																	
2500																	
2625																	
2750																	
2875																	
3000																	

<sup>(1)</sup> - Ordering dimension.

### Installation dimensions



UniTherm		SSp
Sj	Manual	$S_o - 40$ [mm]
	Manual + catcher	$H_o - 280$ [mm]
	With the MOTO drive	$H_o - 140$ [mm]
	With the METRO drive	$H_o - 100$ [mm]
	With the METRO drive	$H_o - 100$ [mm]
W1min, W2min		110 [mm]
Emin	Manual	$H_o + 400$ [mm]
	With the MOTO drive	$L_s + 300$
	With the METRO drive	$L_s + 410$
Ls		2900 [mm] for $H_o \leq 2250$ ; 3500 [mm] for $H_o > 2250$ and $H_o \leq 2850$ ; 4500 [mm] for $H_o > 2850$

Standard garage door height [mm]	Nmin [mm]	
	SSp	
	Manual	Automatic
2000	200	200
2100	200	200
2125	200	200
2200	220	220
2250	200	200
2375	200	200
2500	200	200
Custom garage door height	200	200

**So** – opening width, ordering dimension. **Sj** – clear passage width after garage door installation **Ho** – opening height, ordering dimension. **Hj** – clear passage height after garage door installation. **N** – minimum required lintel height. **W1** – minimum required side clearance. **W2** – minimum required side clearance. **E** – minimum garage depth with clearance under the ceiling. **Ls** – drive rail length.



### St tracks

Torsion springs installed at the end of the horizontal tracks, garage door with double horizontal tracks.

Minimum garage door dimensions:

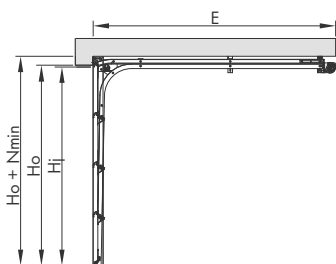
- $S_0 = 2000$  [mm] and  $H_0 = 1800$  [mm] - garage doors type

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_0$ ) in [mm] up to	Opening width <sup>(1)</sup> ( $S_0$ ) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
2500																
2625																
2750																
2875																
3000																

<sup>(1)</sup> - Ordering dimension.

### Installation dimensions



UniTherm		SSt
Sj	Manual	$S_0 - 40$ [mm]
	Manual + catcher	$H_0 - 190$ [mm]
Hj	With the MOTO drive	$H_0 - 140$ [mm]
	With the METRO drive	$H_0 - 140$ [mm]
W1min, W2min		110 [mm]
Emin	Manual	$H_0 + 750$ [mm]
	With the MOTO drive	$L_S + 300$
	With the METRO drive	$L_S + 410$
Ls		2900 [mm] for $H_0 \leq 2250$ ; 3500 [mm] for $H_0 > 2250$ i $H_0 \leq 2850$ ; 4500 [mm] for $H_0 > 2850$

Door standard height [mm].	Nmin [mm]	
	SSt	
	manual	automatic
2000	105	140
2100	105	140
2125	105	140
2200	115	150
2250	105	140
2375	105	140
2500	105	140
Door non-standard height	105	140

**So** – opening width, ordering dimension. **Sj** – clear passage width after garage door installation. **Ho** – opening height, ordering dimension. **Hj** – clear passage height after garage door installation. **N** – minimum required lintel height. **W1** – minimum required side clearance. **W2** – minimum required side clearance. **E** – minimum garage depth with clearance under the ceiling. **Ls** – drive rail length.



### Sj tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks (active and passive reinforcing track).

Minimum garage door dimensions:

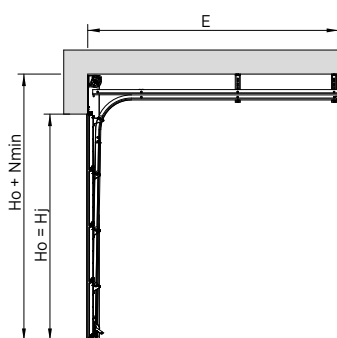
- $S_0 = 2000$  [mm] and  $H_0 = 1800$  [mm] - garage doors type ☐ **e**, ☐ **w**

### Available range of dimensions for tracks

Opening height <sup>(1)</sup> ( $H_0$ ) w [mm] do	Opening width <sup>(1)</sup> ( $S_0$ ) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
2500																
2625																
2750																
2875																
3000																

<sup>(1)</sup> - Ordering dimension.

### Installation dimensions



UniTherm		SSj
<b>Sj</b>		$S_0 - 40$ [mm]
<b>Hj</b>	Manual	-
	Manual + catcher	$H_0$
	With the MOTO drive	$H_0$
	With the METRO drive	$H_0$
<b>W1min, W2min</b>		110 [mm]
<b>Emin</b>	Manual	$H_0 + 400$ [mm]
	With the MOTO drive	$L_s + 300$
	With the METRO drive	$L_s + 410$
<b>Ls</b>		2900 [mm] for $H_0 \leq 2250$ ; 3500 [mm] for $H_0 > 2250$ i $H_0 \leq 2850$ ; 4500 [mm] for $H_0 > 2850$

Door standard height [mm].	SSj	
	manual	automatic
2000	400	<b>400</b>
2100	400	<b>400</b>
2125	400	<b>400</b>
2200	410	<b>410</b>
2250	400	<b>400</b>
2375	400	<b>400</b>
2500	400	<b>400</b>
<b>Door non-standard height</b>	400	<b>400</b>

**So** – opening width, ordering dimension. **Sj** – clear passage width after garage door installation. **Ho** – opening height, ordering dimension. **Hj** – clear passage width after garage door installation. **N** – minimum required lintel height. **W1** – minimum required side clearance. **W2** – minimum required side clearance. **E** – minimum garage depth with clearance under the ceiling. **Ls** – drive rail length.



## OPTIONAL ACCESSORIES

### LOCK/HANDLE

The lock is fitted with a single-side lock cylinder, the lock cylinder is accessible from the outside (three keys), from the inside the lock is operated with a latch.

**The lock for manually-operated and power-operated UniTherm doors is available as an optional accessory.**

A plastic handle with a cover plate type PVC-1 or KL-2 is fitted on the outside of the door leaf. A black plastic handle is installed on the inside.

The KL-2 handle is available in the following colours:

- **MAT** – RAL 9005 (black), RAL 9016 (white), RAL 8014 (brown),
- **GLOSS** – RAL 9006 (silver), RAL 1036 (gold), RAL 1035 (pearl beige), RAL 7048 (pearl mouse grey).



**KL-2 handle**, colour: RAL 9006



**KL-2 handle**, colour: RAL 1036



**KL-2 handle**, colour: RAL 1035



**KL-2 handle**, colour: RAL 7048



**KL-2 handle**, colour: RAL 9016



**KL-2 handle**, colour: RAL 9005



**KL-2 handle**, colour: RAL 8014

### AUTOMATIC DEADBOLTING WITH A LOCK

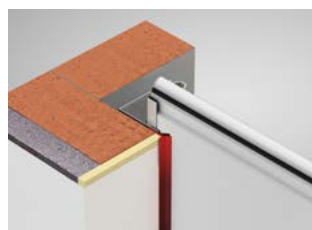
The set includes: a lock, steel cable, panel handle. The lock with a bolting system can be coupled with a drive unit which automatically deadbolts the door once its closed. This applies only to the UniTherm SSp automatic doors with  $S_o \leq 5,500$  [mm].

### ADDITIONAL SEALS

The UniTherm doors are fitted with circumferential double-lip seals as standard. The UniTherm door can be fitted with additional **thermal seals**, which enable the structural steel elements to be isolated from the wall surface, or **finishing thermal seals**, which make it possible to provide an aesthetic finish of the garage door opening by eliminating the gap between the thermal insulation and the door leaf surface, which further improves door insulation.



**Thermal seal**



**Finishing thermal seal**



## DECORATIVE MOTIFS

Decorative motif designs available for the standard dimensions of the UniTherm doors with a panel without ribs (G) in the smoothgrain, sandgrain, and silklane structures. The decorative motifs are made of stainless steel with a satin finish. Paint coating is not available. Positioning on the door – vertical. In a door without a handle – a choice of left or right is available; in a door with a handle – opposite the handle. In a door with a handle in the middle – a choice of left or right is available. The position of the element on the panel: ~150 [mm] from the edge of the opening.



Type Ap-1



Type Ap-2



Type Ap-3



Type Ap-4



Type Ap-5



Type Ap-6

Horizontal decorative motifs in stainless steel are installed in ribs and joints on the bottom and middle panels. Only W ribs are available for the top panel. Available for doors with W and G ribs, as well as with the silklane (RAL 7016, RAL 9016), smoothgrain (golden oak, walnut), and sandgrain (anthracite) structure.

For garage door widths:

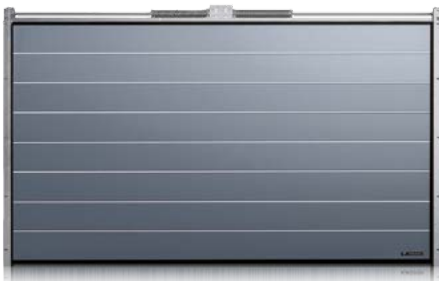
- $2,960 \leq S_o \leq 5,500$ , the decorative motifs have a two-piece design,
- $5,500 < S_o$ , the decorative motifs have a three-piece design.

The decorative element pieces on one garage door are joined at the same garage door width.

Cannot be used in garage doors when matched to the garage doors with a wicket.



Type Ap-7 in garage doors with panels without ribs



Type Ap-7 in garage doors with panels with high ribs



## AUTOMATIC OPERATING UNIT KITS

The Moto RTS and Metro RTS series drive units are dedicated for garage doors and ensure full functionality and overload protection as standard.

The EXTENDED CARE warranty lets you extend the standard warranty for the complete product – automatic sectional garage door:

- up to 5 years when factory configured with the Metro drive unit,
- up to 3 years when factory configured with the Moto drive unit.



Drive unit type		Moto RTS	Metro RTS / Metro SMART io <sup>(1)</sup>
			
Technical data	Power supply / Motor	230V, 50Hz / 24V DC	230V, 50Hz / 24V DC
	Force	600N and 750N	800N and 1000N
	Efficiency	30%	30%
	Single-piece track	yes – steel	yes – steel
	Transmission	chain or belt*	chain or belt*
	Speed	14 cm/s	3.5 ÷ 18 cm/s – adjustable
	Central control unit	integrated	integrated
	Radio receiver	Somfy RTS, integrated - 433.42 MHz RTS	Somfy RTS, integrated - 433.42 MHz RTS
	Radio receiver storage:	32 transmitters	32 transmitters
	Auto selection of operating parameters	yes	yes
	Limit switches	encoder + mechanical bumper	encoder + mechanical bumper
	Emergency uncoupling	yes	yes
	Application	sectional / up and over	sectional / up and over
	Wicket door opening sensor	no	yes
	Dynamic shutting (up and over doors)	no	no
	Rotating automatic operating unit head	yes	yes
	Warranty	3 years	5 years
Functionality	Obstacle detection	yes	yes
	Obstacle detection adjustment	4 adjustment levels	4 adjustment levels
	Action following obstacle detection	stop or open fully	open partially or open fully
	Automatic closing	no	yes / from 10 ÷ 120 s/
	Release in end position	yes	yes
	Independent exterior lighting	no	yes / 230V, 500W
	Exterior lighting control	no	yes
	Auxiliary warning light	yes / 24V, 15W	yes / 24V, 15W
	Delayed drive unit light switch off	yes / fixed – 30 s	yes / adjustable 1 ÷ 60 minutes
	Display	no	yes / LCD
	Partial opening of the door – slightly open	no	yes / adjustable
	Cycle counter	no	yes
	Recent fault logging	no	yes
	Smart home	no	yes*, io-homecontrol technology

<sup>(1)</sup> Metro SMART io drive unit is a technically and visually improved product, representing a new approach to intelligent technologies, it is compatible with smart home systems managed using the Connexoon and TaHoma central control units.

\* At an extra charge.



## OPTIONAL ACCESSORIES

### DIGIPAD RTS CODE KEYPAD BY SOMFY



The two-channel code keypad makes it possible to control both drive units and radio receivers. The keypad is a wireless flush-mounted device which does not require any cables.

### io CODE KEYPAD BY SOMFY



Makes it possible to control the io radio drives and can support up to two devices. The keypad is a flush-mounted wireless device and no cables are required for installation.

### RTS WALL-MOUNTED TRANSMITTER BY SOMFY



The two-channel transmitter lets you control both your drive units and radio receivers. The wall-mounted transmitter is a wireless flush-mounted device which does not require any cables.

### EXTERNAL RADIO RECEIVER BY SOMFY



Makes it possible to control the drive units of other manufacturers using the Pulsar transmitter. It is a two-channel device which makes it possible to program as many as 32 transmitters.

### MECHANICAL CARRIAGE LOCK



It is an additional safeguard which increases garage door safety when mounted to the carriage.

### SIGNAL LIGHT



Supports the Metro and Moto drive units. Warning function. Orange blinking light indicates that the door is operating.

### BACKUP POWER SUPPLY BATTERY



When connected to the Metro and Moto drive, it provides power for several cycles of emergency operation.

### EXTERNAL CODE KEYPAD



The single-channel device can be used to control the garage door with a code. For outdoor installation, requires cabling.

### PHOTOCELLS



They prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.



## GALLERY



UniTherm | Orzech | smoothgrain



UniTherm | RAL 9016 | silkline



## TECHNICAL DATA

	UniTherm
Leaf	A panel made of steel sheet galvanized and polyester coated on both sides, infilled with high density PU foam $g=42 \text{ kg/m}^3$ without HCFC. 60 mm thick panel with a 5-ply sheet bending system in the handle installation area.
Minimum number of cycles	25 000
Thermal transmittance factor U of the panel [ $\text{W/m}^2\text{xK}$ ]	0,33
Watertightness class	2 in accordance with PN-EN 13241-1 p.4.4.2
Wind load resistance class	4 in accordance with PN-EN 13241-1 p.4.4.3
Air permeability class	5 in accordance with PN-EN 13241-1 p.4.4.6
Sound reduction index $R_w$ [dB] without a wicket door / with a wicket door	24 in accordance with PN-EN ISO 717-1: 1999
Safeguards	Special shape of the panel preventing fingers from getting crushed, safeguard preventing torsion springs from breaking (on each spring). spring break safety device, flexible panel joint covers. Option: photocells.
Optional accessories	Various track types, electric drive unit, thermal gaskets, finishing thermal gaskets, decorative motifs, sealing threshold, auxiliary lock, photocells, transmitter.
Maximum width / height of the door [mm]	6000 / 3000
Available panel rib designs	high ribs, without ribs,
Available panel structures	smoothgrain, sandgrain, silkline
Available colours:	other RAL, special colours, including wood imitating colours, (film coated panels)
Track type	Sp, St, Sj

## CONTROL THE GARAGE DOOR WITH YOUR SMARTPHONE!

The SmartCONNECTED technology brings WIŚNIOWSKI automatic sectional garage doors to the next level of product development, tailoring them to the requirements of increasingly demanding customers. On the one hand, it makes it possible to control the devices with a smartphone, and on the other, it gives the users full control and lets them stay in touch with their home from any place in the world. io-homecontrol® makes it possible to wirelessly connect the Metro SMART io drive unit to the smart home system controlled by one of the Somfy central control units: TaHoma® Premium or Connexoon with the Connexoon Access application. Building a comprehensive smart home provides a number of benefits and additional features that enhance your comfort every single day.

**WIŚNIOWSKI**

WIŚNIOWSKI Sp. z o.o. S.K.A.  
PL 33-311 Wielogłowy 153  
Tel. +48 18 44 77 111  
Fax +48 18 44 77 110

[www.wisniowski.pl/en](http://www.wisniowski.pl/en)

**Let us inspire you!**  
**See other solutions from WIŚNIOWSKI!**



The products shown in this publication often feature special accessories and do not always correspond to their standard versions • The technical data sheet does not constitute an offer within the meaning of the Polish Civil Code • The manufacturer reserves the right to introduce changes without notice • NOTE: The colours shown in the technical data sheet are for reference only • All rights reserved • Copying and use, in part or in full, is prohibited without the consent of WIŚNIOWSKI Sp. z o.o. S.K.A. • UniPro/05.21/EN