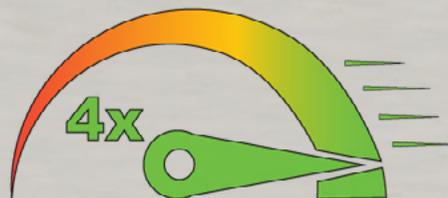


BEST INSULATING
SECTIONAL DOOR
ON THE MARKET

0.43 U-value
W/m²K

COMPARABLE
SECTIONAL DOORS

1.44 U-value
W/m²K



NASSAU

NASSAU 8000 SERIE
LOW-ENERGY SECTIONAL DOORS

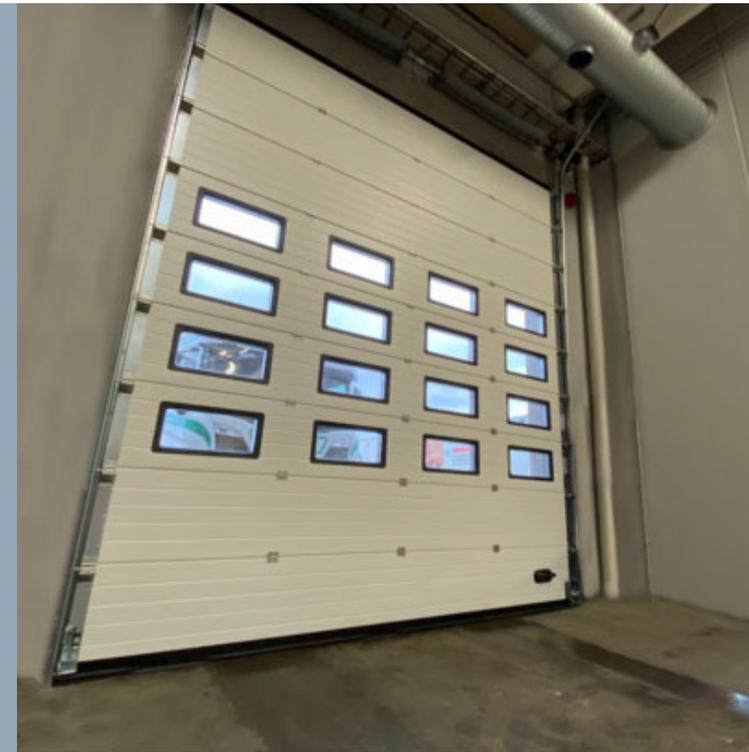
You know the Quality



CHOOSE YOUR LOW-ENERGY DOOR WITH CARE

NASSAU offers a wide range of sectional overhead doors for use in all environments. The new NASSAU 8000 low-energy doors feature unique product characteristics with a focus on energy savings. This is ensured by excellent insulating door properties, providing the market's best insulation value. By choosing the NASSAU 8000, you will save money on your heating bill.

With its wide range of accessories, NASSAU low-energy doors meet every need for flexibility and individual solutions. Furthermore, these doors are optimal in cold environments where a constant indoor temperature is desired. NASSAU does not compromise on quality, and the new robust and stable 8000 door model can withstand wear and intensive use.



EUROPE'S LEADER

NASSAU Door A/S is a Danish company with a long and proud history. Since its founding in 1970, NASSAU has been among the leading European manufacturers of sectional doors for industrial, agricultural and residential use.

NASSAU sectional doors are built with high technical quality at our fully automated production facility in the Danish town of Ringe on the island of Funen. We guarantee fast delivery times for new doors and original replacement parts.

It is with pride that we label our sectional doors "Made in Denmark".



THE MARKET'S BEST U-VALUE

The market demands ever-improving insulation values, particularly in the Nordic countries, driven by interest in reducing energy consumption for the sake of the environment and lower heating bills.

NASSAU 8000 has less than the half of the U-value of typical sectional doors on the market. This exceptional insulation is the result of the door's 82 mm-thick door leaf and its numerous interrupted thermal bridges. By delivering the market's best U-value, our customers reduce their energy consumption and expenses.

REDUCE YOUR ENERGY CONSUMPTION

In a well-insulated building, 25% of the heat escapes through the roof, 35% through the walls, 15% through the floor, and, not least, 25% through the building's openings, e.g. doors and windows.

We strive to ensure that NASSAU doors are not responsible for unnecessarily high energy consumption in buildings. The new NASSAU 8000 model is designed to deliver strong insulation value, helping to reduce the 25% of heat that escapes through doors and windows. Let NASSAU be part of making a difference. Furthermore, we can provide advice on the many options offered by NASSAU electric controls to further reduce the building's energy consumption. For example, with the 8000 speed model, which opens up to 4 times faster than comparable doors



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NASSAU 8000 LOW-ENERGY DOOR - FUNCTIONS

Tight close

The innovative new top, bottom and side sealings ensuring a very tight close between the door leaf and the building. The bottom and top profiles are made from insulating material, further contributing to unique insulating properties of this sectional door.

High degree of insulation

The NASSAU low-energy sectional doors has 82 mm-thick door leaf sections with CFC-free PUR foam. The many effective interrupted thermal bridges produce a uniquely low U-value, which translates to significant energy savings.

Air-tight and highly insulated on all sides

A tight seal between the rail system and door leaf is achieved using double-edged side sealings and the door leaf's side cassettes are divided into two sections to ensure a high insulation effect.

Innovative bottom sealing

The unique wide bottom sealing keeps the door water- and air-tight. It is tested in accordance with the applicable sectional door standard and safety regulations, and provides extremely effective and safe edge protection.

Technical specifications

Door size (standard):

Width: 1,500 mm – 10,000 mm

Height: 1,500 mm – 6,000 mm

Insulation properties:

U-value = 0.43 W/m²K

(according to EN 12 428)¹

¹ Door size: 5m x 5m without windows





THE MARKET'S LOWEST U-VALUE WITH NASSAU 8000 LOW-ENERGY DOOR

Energy-saving sectional door

The new NASSAU 8000 sectional door helps to keep energy costs down. With its 82 mm-thick door leaf, this model is more than twice as energy efficient as standard sectional doors. The new NASSAU 8000 will undoubtedly improve your energy savings. This new sectional door also enables you to maintain your optimum indoor temperature. Designed with many interrupted thermal bridges, the door is highly insulated in the right places.

- Save energy
- Save money

Comfortable working environment

The new NASSAU 8000 sectional door minimises draughts and condensation with a series of highly effective sealings. Internal and external temperature differences cannot penetrate the effective thermal barrier provided by this sectional door. With NASSAU 8000, you give your employees the best possible working conditions, and you ensure that your workplace is comfortable and secure.

- 82 mm insulation
- Interrupted thermal bridges
- Effective sealings



U-value
0.43 W/m²K

01

Top section with double top sealing

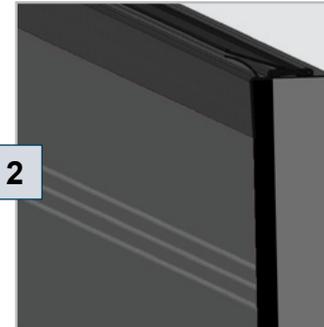
The top section is made of insulating material, keeping the insulation value low. The top section is equipped with double top sealing lips, creating an air cavity that insulates the door extremely tight against the wall.



02

Side cassettes with interrupted thermal bridges

Interrupted thermal bridges are an essential component of delivering the market's best U-value. Therefore, the front and back panels of the door leaf are completely separated. But we do not stop here. We have also effectively separated the side cassettes of the door leaf. These cassettes are custom designed and built from steel and synthetic materials.



03

Buttom profile in insulating material

Steel and aluminium are good conductors of heat. To improve the insulation value, we at NASSAU have explored materials that can stop the negative effects of this high conductivity. As a result of these efforts, the bottom profile of the NASSAU 8000 sectional door is made of an insulating material that forms an additional interrupted thermal bridge between the front and back panels at the base of the door leaf.



04

Solid and wide bottom sealing

Creating good insulation properties requires that the bottom, top and sides are all well-insulated against the walls and floor. Therefore, NASSAU has endeavoured to produce the market's widest bottom sealing, providing a tighter seal against the floor. This bottom sealing is also designed with small insulating cavities, further contributing to the sectional door's exceptional insulation value.



7 AFFORDABLE AND
CLEAN ENERGY



13 CLIMATE
ACTION



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



5

Engineering excellence

NASSAU 8000 is the result of many years of development efforts. Many of the sectional door's hinges and fittings are adjustable to ensure the best possible fit and tightness of the individual door. Therefore, we recommend that these sectional doors are always installed by our experienced sectional door installers to ensure precision and optimal adjustment.

01 Delivering the U-value the market demands

NASSAU 8000 has less than the half of the U-value of typical sectional doors on the market – helping you meet market demands and reducing your energy consumption.

02 82 mm door leaf

The NASSAU 8000 door leaf consists of 82 mm-thick steel sections. The well-known NASSAU design is evident in both the interior and exterior components of the sectional door.

03 Safety

The NASSAU 8000 sectional door is among the safest sectional door solutions on the market, as all moving parts are equipped with carefully considered and designed safety features.

04 Internal wiring

The sectional door's lifting wire runs through a closed rail system, minimising the risk of contact between the wire and persons or objects.

05 Torsion springs

The spring system is designed individually for each individual sectional door. Quality and precision in the manufacture of the torsion spring ensures easy and trouble-free door operation. A spring solution designed for approximately 20,000 openings is delivered as standard.

06 Spring breakage safety system

The sectional door is equipped with a safety mechanism that prevents it from crashing down if the torsion spring should break.

07 Adjustable hinges and fittings

The sectional door is equipped with adjustable hinges and fittings to ensure optimum and tight installation. This makes the sectional door completely air-tight, preventing draughts when it is closed.

08 Bottom safety edge system on electrically operated doors

The bottom safety edge system automatically stops the sectional door if it comes into contact with persons or objects while closing.

09 Custom-built door rollers

The door rollers are custom-built using materials that ensure long life and friction-free operation.

10 Standard colours

NASSAU 8000 is available in two pre-painted standard colours: anthracite (RAL 7016 / ND701) or white aluminium (RAL 9006 / ND100). These two colours are among the most sought after in the market. The interior section of NASSAU 8000 is supplied in the popular pre-painted grey white standard colour (RAL 9002 / ND953).



RAL 7016 / ND 701



RAL 9006 / ND 100



01 Custom colours

In addition to NASSAU's standard colours, the sectional doors can be supplied in all standard RAL wet paint colours.

02 The market's best insulated windows

The NASSAU 8000 is available with an 80W window section, with square windows and fixed frames filled with four layers of 2 mm PMMA.

03 Door lock

As an alternative to a standard internal shoot bolt lock, an NL16 lock is also available. The NL16 door lock has profile cylinder and a handle for external and internal operation.

04 Various options

The NASSAU 8000 sectional door is available with a wide range of optional features, including rust-free hinges, rust-free cassettes, special springs for more than 20,000 openings, spring cover, etc.

05 Electric operation

As an alternative to manually operated sectional doors, the NASSAU 8000 is also available with electric operation. In addition to improved comfort and safety advantages, an electrically operated sectional door from NASSAU also offers economic benefits, including reduced heat loss in connection with door opening.

06 Operating controls

NASSAU sectional doors with electric operation can be supplied with a variety of different control systems, depending on the customer's needs. As an alternative to the standard control type NCU320 with up-stop-down impulse control, control types with frequency converters for fast opening and control types with battery backup are also available. See also the section regarding the 8000 speed version.

07 NASSAU gear motor

The choice of motor depends on the specifications of the sectional door and the customer's functional requirements. At NASSAU, we offer a wide range of high quality motors in different sizes. This means that we always supply a motor that is ideal for the sectional door and its application.

08 Operation

The standard control box comes with three integrated, backlit buttons: up, stop and down. Depending on the customer's needs, we also offer a range of different push button boxes with and without key operation – and operation can also be performed via remote control, code keypad, pull switch or radar.

09 Remote control

Choose from radio transmitters for operating 1 to 999 sectional doors. We also offer wireless wall transmitters and wireless keypads – two solutions that eliminate the need for cabling.

10 Various electrical control options

In addition to the optional features already mentioned, we also offer equipment such as photocells, key switches, electric door locks and vehicle sensors. We can also design custom solutions, e.g. central control systems tailored to your needs and wishes. At NASSAU, we are always ready and willing to provide expert technical advice.



High speed low-energy door

NASSAU 8000 Speed



Unique insulating properties



Electric operation with extremely high operating speed



Lower heating bills and lower CO2 emissions

BEST INSULATED DOOR WITH THE LOWEST U-VALUE IN THE MARKET

Harness the speed and insulation capacity with a NASSAU 8000 Speed.

Our NASSAU 8000 Speed opens up to 4 times faster and closes at double the speed compared to comparable doors. The 8000 Speed is an overhead sectional door designed with a specially developed electric control system and reinforced construction to increase speed and benefit your business. The speed improves your working environment, reduces energy costs, and is environmentally friendly. The door is designed for busy companies with a focus on efficiency and environmental consciousness.

Speed is an invaluable advantage for companies with frequently used doors. Your company will experience fewer temperature control issues and fewer collisions with doors. With an operating speed of one meter per second, the NASSAU 8000 Speed not only saves time but also reduces inefficiency due to shorter opening waiting times. Likewise, your company will have lower heat loss due to shorter opening times and higher insulation capacity.

Speed and environmental considerations have been key factors in the development of the NASSAU 8000 Speed. With its 82mm thick door panel sections and optimal seals, the door can achieve a U-value of 0.43 W/m²K, for example.





EFFECTIVE ENERGY AND ECONOMY

The heightened speed of the sectional door yields better control of the indoor climate. Furthermore, the door has a very effective fitting with the purpose of being water and airtight. Better control over the results of the temperature and less heat loss, less energy waste, and less CO₂ emission.

Fast door with safety and comfort

The NASSAU 8000 speed is delivered with standard safety measures making the sectional door unable to close when an object or person is under the door. The safety measure stops the door and puts it in reverse to avoid injury or any harm done to goods. The fast opening and closing of the door result in a better indoor climate for the employees.

THE BEST INSULATING DOOR IN THE MARKET

If you replace your existing insulating door with a NASSAU 8000 speed the energy consumption is reduced by 70%

The usage of the earth's resources is rising. As a matter of fact, we use the earth's resources faster than the earth can produce new resources. We are in a time where saving and being conscious about your environmental fingerprint. There are many ways to do it, the sectional door way to do it is with the NASSAU 8000 speed.



LOW-ENERGY FAST SPEED DOOR WITHOUT COMPROMISING ON THE DESIGN

With the NASSAU 8000 Speed, we have managed to create the best of both worlds. Here, you get both high speed and high insulation capacity, all without compromising on a beautifully designed overhead sectional door that complements any building facade.

The windows are made of scratch-resistant material, ensuring a clear view and ample natural light for many years to come. The door can be designed in a choice of external colors, and it can also be equipped with one or more window sections. The windows provide good natural light, and the 4-layer glass panels ensure that the door's insulation capacity is hardly compromised.

TECHNICAL INFORMATION



MODEL		8000	8000 Speed
Width	Daylight measurement in mm	1500 – 10000 mm (standard)	1500 – 5000 mm (standard)
Height	Daylight measurement in mm	1500 – 6000 mm (depending on track system)	2400 – 5000 mm (depending on track system)
Material (door leaf)	Sections / insulating foam	Prepainted steel / PUR foam	Prepainted steel / PUR foam
Section size	Height in mm	545 mm	545 mm
	Thickness in mm	82 mm	82 mm
Wind resistance	In accordance with EN13241 / EN12424	Class 5*	Class 5*
Insulating power	In accordance with EN13241 / EN12428	0.43 W/m ² K**	0.43 W/m ² K**
Water tightness	In accordance with EN13241 / EN12425	Class 4*	Class 4*
Air tightness	In accordance with EN13241 / EN12426	Class 3*	Class 3*
Lifetime test	In accordance with EN13241	100,000 cycles (opening + closing)	100,000 cycles (opening + closing)
Sealings	Side sealing	Black 6 mm synthetic material	Black 6 mm synthetic material
	Top sealing	Black TPE	Black TPE
	Bottom sealing	Black EPDM	Black EPDM
	Bottom and top profile	Black PVC	Black PVC
	Side cassette isolator	Black PVC	Black PVC
Pass door	No possibility for pass door	NASSAU 9000 series is recommended if pass door is required	NASSAU 9000 series is recommended if pass door is required
Windows	Type 80W 4x2C2	Square fixed framed windows with 4 layers of 2 mm PMMA scratch resistant outside and inside	Square fixed frame windows with 4 layers of 2 mm PMMA scratch resistant outside and inside
Track systems	Type	We refer to NASSAU Door handbook chapter 6	We refer to NASSAU Door handbook chapter 6
	SL / SLT / LHSF / LHTSF / HL / HLT / HLKF / HLTKF / VL / VLKF (type LH / LHT excepted)	Same depth requirements as the NASSAU 9000 door model + 40 mm	Same depth requirements as NASSAU 9000 door model + 40 mm (type LHSF and LHTSF excepted)
Balancing system	Torsion springs	Standard about 20,000 cycles (opening + closing)	Standard about 20,000 cycles (opening + closing)
		Up to 100,000 cycles as an option	Up to 100,000 cycles option
Electrical operation	NASSAU industrial electrical operations	NCU controls and NPU motors	NCU controls and NPU motors
Control / motor	Control type NCU320	Standard (impulse control)	+
	Control type NCU320FU	Option (with frequency converter)	Option (with frequency converter)
	Control type NCU320UPS	Option (with battery backup)	Option (with battery backup)
	Motor types	NPU50 / NPU100 / NPU130	NPUS
Electrical equipment	We refer to the NASSAU door handbook	Option	Option
Safety system	Surveillance type	Pneumatic bottom safety edge / light curtain (surveillance)	Light curtain (surveillance)
Speed	Opening	Max. 250 mm/s	Max. 1000 mm/s
	Closing	Max. 250 mm/s	Max. 500 mm/s

* Values for steel door measuring 4 x 3.3 m without windows and pass door.

** Values for steel door measuring 5 x 5 m without windows and pass door.

GET IN TOUCH

At NASSAU Door we understand that our customers may have questions, inquiries, or require assistance. You are always welcome to contact us.

Our team is ready to assist you with any aspect of your NASSAU Door experience. Whether you have inquiries about our product range, need guidance on selecting the perfect door for your project, or require technical support, we are here to help.

We believe in building strong relationships with our customers. Your satisfaction is our priority. We strive to exceed your expectations, addressing your concerns and providing expert guidance to make your NASSAU Door experience seamless and enjoyable.

We welcome the opportunity to assist you with anything you may need. Contact us anytime. Find our information on www.nassaudoor.com



At NASSAU, we develop, manufacture and maintain industrial and residential door solutions.

We take great pride in products and services bearing the NASSAU name. Therefore, we continuously strive to improve our design, service and working environment.

We manufacture sectional doors to order at our facility in Denmark, based on the customer's needs and wishes – and we never compromise on quality. This commitment has helped us earn a position as one of Europe's leading sectional door suppliers since 1970. Our customers enjoy the added benefit of dealing directly with the manufacturer. It all adds up to functional quality and value for your money.

Welcome to NASSAU Door.

