



BARDUVA
HOIST-UP FABRIC HANGAR DOORS



Hoist – up fabric hangar doors Features and capabilities

Developments in new technologies, agricultural machinery, bigger and bigger storage buildings are constructed, hangars, which needs to close entry-exit gates, to protect property from the weather conditions. Whatever that is, hangar for the industry, building for agricultural machinery or any other commercial project, decision is clear – hoist-up fabric hangar door.

Hoist-up fabric doors - doors are virtually unlimited size. Each of fabric doors are designed to meet specific

project requirements. Doors are made of aluminum and pvc fabric tent are very lightweight, but perfectly suitable for use in aggressive, corrosive environment, extreme weather conditions. These doors are resistant to wind, salt, temperature changes, as well as protection from sand and dust, mold and rot.

In some cases, we recommend to divide a large clearing into several smaller ones, using raisable pylons (mullions). This system would be more effective that system with one big frame leaf.



Fabric hoist – up hangar door operation principle

■ **Fabric door rise and descends by cables.** The engine, fitted on the top profile, turns shaft, and it rotates drums fitted with cables (about every 2 meters). Doors rises forming pleats, which fold compactly at the top, while taking up much less space than other manufacturers. In addition, cables, evenly distributed over entire door width, and not just the edges, ensures smooth operation and minimizes load powers to the building.

■ **Control unit with 3 buttons (open-stop-close).** Two switches in a control unit, allowing doors to move up or down by pressing and holding the switch indicating the direction. Doors can be stopped at any opening or closing position, relieving the switch. Holding the switch the doors

automatically stops when fully open or close. STOP switch stops the door, choosing a control system when the switch is only pressed, but not considered to be depressed in order to move the door.

■ **Warning lights and sound signals** are needed to alert people at the door operation area. When door is activated, a warning light begins to rotate and an audible alarm sounds. This security system is particularly recommended for doors that will be equipped with a radio remote control and other remote controls. If there is a demand for faster accelerating door, it can be programmed so, that door movement cycle would be faster. Accelerated process would improve traffic flow and reduce energy consumption.





Fabric doors consist of such basic structural and functional components:

- **Frame thickness** - 295 mm,
- **Suspension components** - Steel cables.
- **Sheet materials** - polyester 1100 dtex. Materials in accordance with DIN 75200 standard. Flame braking - max. 100 mm / min. (ISO 3795). Resistance to tear lengthwise/crosswise - 500/500 N. (DIN 53363). Temperature resistance -30°C / 70°C. (DIN EN 1876-1). Resistant to UV rays, mould, rotting, icing.
- **Bottom profile:** galvanized steel profiles (colored) with (EPDM) sealing.
- **Side guide rails:** aluminum profiles with sealing brushes.
- **Cross aluminum profiles.**
- **Steel cables:** diameter – 6 or 8 mm.
- **Air space** between the outer and inner layers of the sheet: 295 mm.
- **Velocity:** 0.2 meters per second.
- **Control unit:** digital control panel, the voltage of 3 x 400 V / N / PE, control voltage 24V DC.
- **Standard controls:** 3 buttons control unit (open - stop - close).
- **The lift cycle counter.** Yes
- **Manual controls** in case of emergency. Yes
- **Standard safety devices:** Safety switch for each cable, engine is fitted with built-in brakes, protection against finger crushing from the inside and outside, protection from falling gate in case of ruptured belt.

BARDUVA. APPRECIATE THE QUALITY!



WHY choose Barduva hoist-up fabric hangar doors?

■ Quality – our highest priority.

Only high-quality, certified materials are used. There are no protruding parts. Smooth and orderly operation.

■ **Low maintenance costs.** Does not require special care. Easy to carry out repairs. In case of Barduva fabric doors are damaged, repairs will not interfere with work unless for a very short pause, because doors are repaired very easily. In case of damaged fabric, it is not necessary to change whole fabric over gate area, as with other manufacturers. It is enough to remove only specific band of damaged tissue and replace it with a new one. Meanwhile, doors can operate freely even without fabric.

■ **Security Devices.** Near each door cable it is fitted a double-control sensor, which in case of emergency, loosening or rupturing of one of the cables, stops the door.

■ **Automatic control.** Various automatic controls are possible (such as radio waves, radar, photocells).

■ **Additional protection:** Photo electric cell sensors or safety contact rubber installed on bottom profile and in case of an obstacle door stops and reverses to open position. Photo electric sensors are mounted on the side guides, near the floor in order to stop the door in the event of any obstacle. In case of an obstacle at the range of photo electric sensor (human, vehicle or other object) doors won't descend.

■ **Robust construction and resistant fabric.** Resistance to damage. Durable double layer PVC fabric. Aluminum construction designed to withstand maximum loads. These gates have no springs, hinges or couplings – so nothing gets broken.

■ **Tightness.** There are no holes or hinges that requires sealing. Sides, top and bottom are sealed from the draft. At the upper part of the gate, fabric is attached to the doors frame to ensure tightness. Our

constructors created double sealing system, characterized by the fact that descending doors closely bonds to the side guides, which is fitted with brushes. In result, additional air space provides excellent seal. Lower double sealing system: EPDM rubber seal is attached to a bottom profile, adapts and seals the floor. And additional PVC fabric is attached on both sides, guaranteeing tightness. You can be assured – doors will reliably protect your building from any weather conditions.

■ **Resistance to wind loads.** During design process, wind loads and needed amount of intervening beams to withstand those loads are calculated.

■ **Corrosion resistance.** Suits for high humidity areas (eg ports, waste processing, etc.)

■ **Reliability.** Simple construction. Resistant to moisture and dust. Few moving parts, there is no need for ground rails. There are no parts to break. Reliable mechanical equipment. Can operate even if fabric is torn.

■ **Varied design.** Virtually unlimited size and design possibilities, not only guarantee aesthetic appearance, but the important thing is that they would fit any building. Our doors do not occupy much usable space. Not so, as other manufacturers, BAR-DUVA fabric doors do not need much space on top of the building. Because of particular and well-thought-out design, puckers folds very compactly. Since you do not need extra space at the top of the building, which means – smaller building construction costs. Doors covering even huge gateway is very light, so building receives minimum loads. Color palette - with 20 standard colors. In addition, each band on the outside and inside can be different colors. Give your building colors!

We can also offer a transparent fabric for your doors, if you want to work in natural daylight conditions and to enjoy maximally reduced power costs.



■ **Option for clients to install the doors themselves**

Detailed installation instructions are provided with each door. BARDUVA will provide you with detailed step by step instructions, how to install HOIST- UP FABRIC doors.

Many customers want to install the doors themselves – this reduces costs. Be sure that doors that reach you, will be fully complete, and our technical office staff will be happy to answer all the questions.

Also you can invite our skilled technical staff, that can train your staff, how to install the door or perform testing procedures on the gates installed by customer – to check whether or not the doors are installed correctly and running smoothly.

Installation

■ **Simple installation**

Qualified Barduva professionals with many years of door installation experience, will install doors quickly and flawlessly, will provide all necessary technical information and will ensure reliable door operation and post-warranty services.



WARRANTY:
10-year factory warranty on all mechanical parts of the door – secured guarantee for you.

Our company's strategy basis is quality, security, reliability and prompts warranty and post-warranty services.

We work only with time-proven European partners.

BARDUVA. APPRECIATE THE QUALITY!

ABOUT BARDUVA COMPANY

BARDUVA was founded in 1996, the company's main activity is the manufacture of lifting doors. Continuous improvement, production capacity expansions, modern technology and skilled workers efforts provide an opportunity to introduce our product – hangar door BIFOLD BARDUVA.

This is modern, safe, reliable and economically attractive hangar doors, designed using modern technologies, long-term manufacturing and installation experience, using only quality materials. While working on complex construction projects, our skilled engineers work in close cooperation with our and customers company employees.

Our competent experts are always ready to advise construction project managers, foremen, customers, how to avoid mistakes during the construction and operation of the doors. We are always

The main levers of our business – quality, professionalism and integrity.

ready to answer your questions and provide necessary drawings to ensure that hangar doors BIFOLD BARDUVA would suit your new or renovated building.

We pursue customer satisfaction and long-term partnership while ensuring product reliability and quality at each design, technology development, production and service chain. We care about our reputation.

The main levers of our business - quality, integrity and professionalism.

We try to do so, that company's customers, partners and employees would feel the goodwill and projects would meet time and quality requirements.

BARDUVA efficiency of activity leads to a responsible and professional team, which is not afraid to take greater responsibilities in the implementation

of interesting and challenging projects, which requires constant look for new ideas and new solutions.

While living today, we continuously thinking about tomorrow, because we know that the success belongs to those who best predicts the needs of future consumers.

We love challenges. We are ready to fulfill customer orders more quickly than others and to carry out such orders, the other can not.

Periodic training of personnel, equipment and tools monitoring, verification and other procedures must ensure product compliance with the requirements of the EU products.



CONTACTS:

Maybe you want to know the price, or maybe to get additional information? Please contact and we would be happy to answer all your questions.

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We also invite you to visit our factory, see our products, working capacity and just get acquainted:

Liepkalnio str. 61, LT 02120, Vilnius Lithuania

Do not forget to look out for our other products!

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