

// 20 YEARS IN DOOR PRODUCING!



SECTIONAL OVERHEAD DOORS

Safe construction

Sectional doors components suitable for long-term operation, even in heavy use. Steel profiles, which is coated with hot-galvanizing method, and which is installed inside of the building, providing safety of the construction. Stable hinges provide accurate and reliable connection of the door panels. Ball bearing rollers are strong and quietly, they move in the hardware profiles. Efficient operation of compensating spring shaft allows operating of any size doors. Springs are calculated for 15,000 to 50,000 operating cycles. Springs shock absorbers mounted in a guide at the end, probably absorb the gates opening. For special buildings, available hardware made of stainless steel.

Functionality and economically

Overhead sectional doors are produced following the newest international standard EN 13241:2003 +A2:2016 and certified in SP Technical Research Institute of Sweden. Doors are made of triple-layer sandwich panels. Gap between two galvanized steel sheets filled with freon free polyurethane foam, what gives high thermal insulation. Door panels thickness are 40 and 80 mm. Sectional doors characterized by safety, durability, aesthetic and optimum heat insulation.



* 40mm $U=1.1 \text{ W/m}^2\text{K}$
* 80mm $U=0.6 \text{ W/m}^2\text{K}$

*6000x7000



Windows

Windows are a clear value added to industrial doors. Such gates fits better into the architectural scene and provide optimal space lighting. You can choose double glazed industrial doors.



Panoramic windows made of acrylic glass double packed and aluminum profile panels, which provides maximum lighting.



Rectangular windows 680*373mm, made of acrylic glass double packet.



Entrance door

In order to ensure maximum comfort and coordinated transport and pedestrian flow, entrance door can be mounted into the door, having a size of approximately 800 x 2050 mm (width x height). Entrance door comes with a lock, handles, 3 keys and door closer. For better design and safety can be choose ASSA-ABLOY lock and 25 mm pass door bottom profile, name as a safe step pass door. For automatic doors higher safety level, pass door can be upgraded with magnetic pass door safety switch. It stop door moving, when pass door is opened.

with low pass threshold (25mm)



with a standard threshold

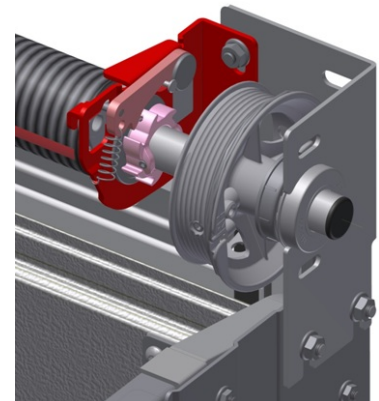


Safety systems

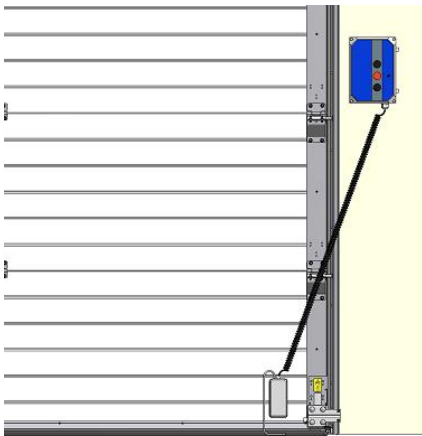
To ensure the safety of operation, door unit may include safety equipment, which blocks the movement of the door, where broken cable, or compensating springs, thus providing a goal against potential accidents. Automatic doors can be upgraded with following safety features: Optical bottom seal sensor, pneumatic bottom seal sensor, pass door safety switch, slide bolt and side lock safety switch, photo cells, microwave radars, induction loop cable mounted in the floor.



CABLE BREAK SAFETY



SPRING BREAK SAFETY



OPTICAL AND PNEUMATIC SAFETY EDGE



MECHANICAL SLIDE BOLT SAFETY



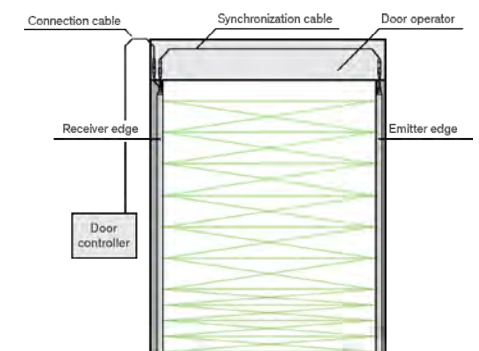
MAGNETIC PASS DOOR SAFETY



MICROWAVE RADAR
(VEHICLE-HUMAN DETECTION)

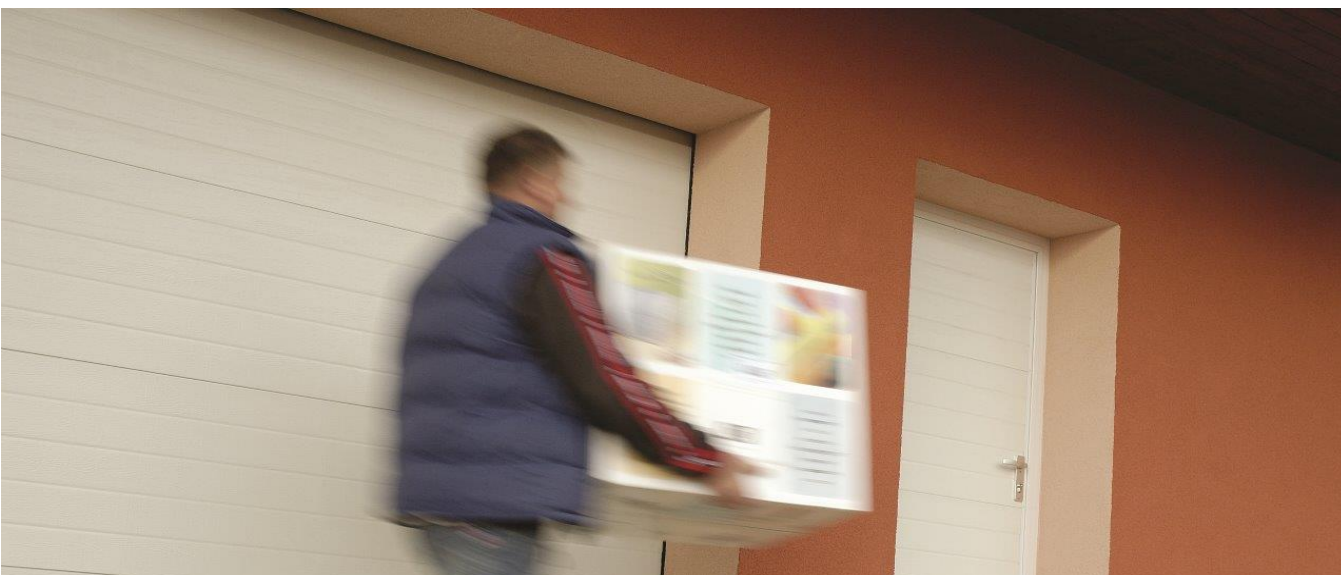


PANEL JOINT WITH FINGER PROTECTION

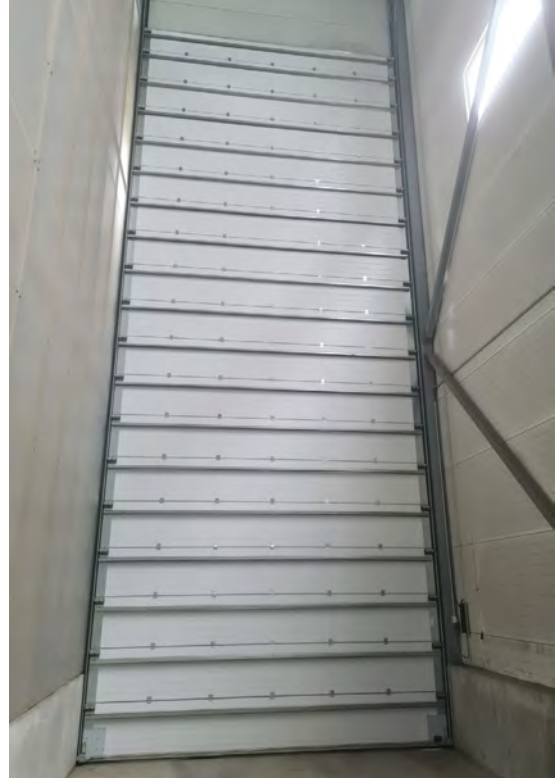


BEAM CURTAIN

Garage doors



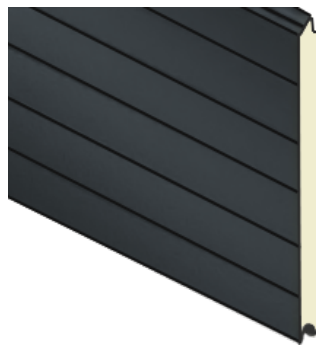
Non standard sectional doors



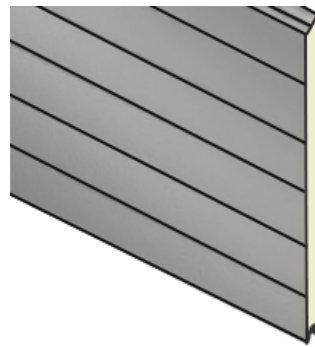
Standard tones



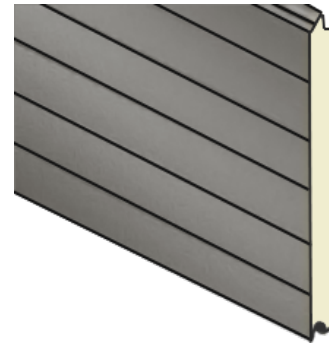
Stucco grain surface



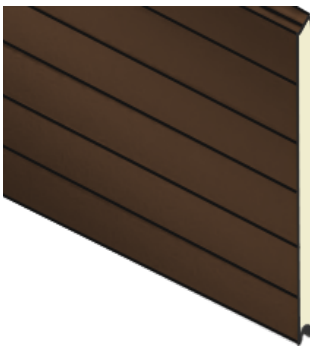
RAL-7016 / 9010
Anthracite



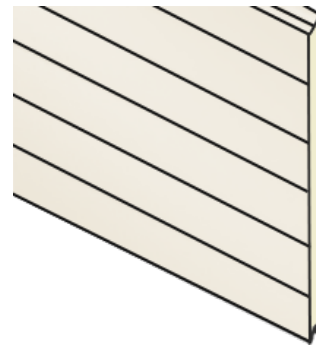
RAL-9006 / 9010
Sivler



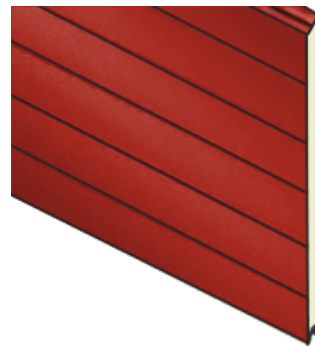
RAL-9007 / 9010
Dark silver



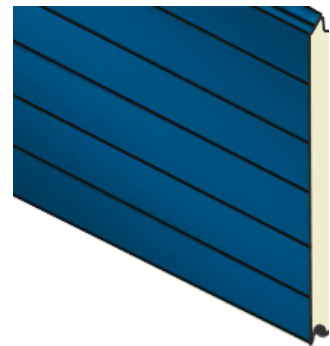
RAL-8014 / 9010
Brown



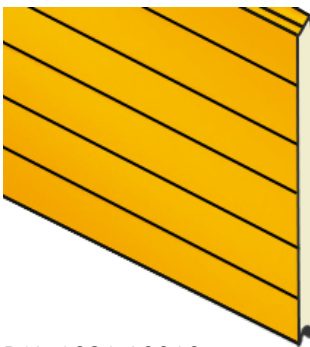
RAL-9010 / 9010
White



RAL-3000 / 9010
Red



RAL-5010 / 9010
Blue



RAL-1021 / 9010
Yellow



Dark oak / 9010



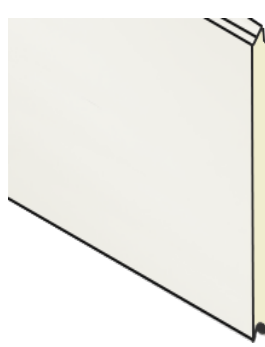
Gold oak / 9010



Mahogany / 9010



RAL-7016 / 9010
Anthracite smooth polygrain



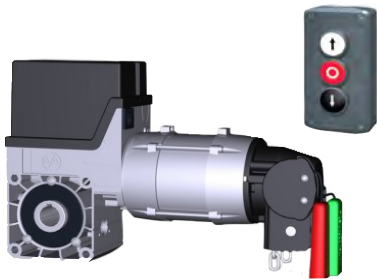
RAL-9016 / 9016
Smooth white

PANEL SPECIFICATION

1. Freon free polyurethane foam, density 42-45 kg/m³
2. Steel sheet 0.5 mm
3. Panel strength on top and bottom side are supported with hardening ribs of 1.0 mm
4. Panel steel sheet is coated with hot dip galvanizing method
5. Polyester priming 10 microns
6. Polyester paint 15 microns
7. Polyester paint 15 microns (according to the RAL tone).
8. Polyethylene film, that protects the door panels to the potential damage during transport and installation.

Industrial door operators

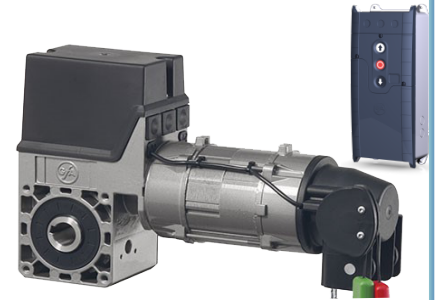
(high quality, GFA-ELEKTROMATEN, Germany)



GFA SE 5.24, 230v, 50nm, T801
GFA SE 5.24, 230v, 50nm, MO720, opto



GFA SE 9.24, 400v, 90nm, WS900
GFA SE 14.21, 400v, 140nm, WS900

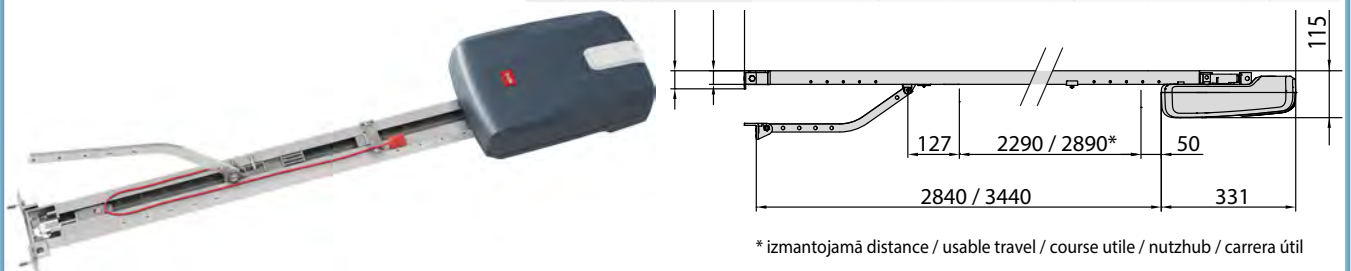


GFA SE 9.24, 400v, 90nm, TS970N, opto
GFA SE 14.21, 400v, 140nm, TS970N, opto

Residential door operators

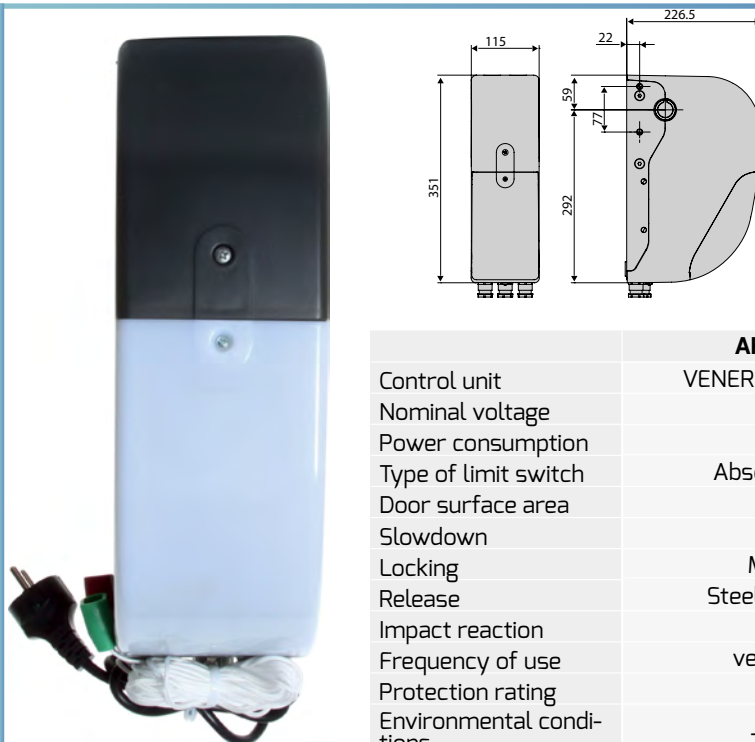
(BOTTICELLI SMART BT A)

	BOTTICELLI BT A 650	BOTTICELLI SMART BT A 850	BOTTICELLI SMART BT A 1250
Control unit	VENERE BT A ETD	VENERE BT A DIS	VENERE BT A DIS
Nominal voltage	24 V	24 V	24 V
Power consumption	200 W	200 W	236 W
Tractive force and thrust	650 N	850 N	1250 N
Number of daily movements at 60°	50	50	100
Door surface area	10 m ²	13 m ²	16 m ²
Max opening speed (chain rail)	210 mm/sec	210 mm/sec	190 mm/sec
Max opening speed (belt rail)	240 mm/sec	240 mm/sec	
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Steel cord or cable	Steel cord or cable	Steel cord or cable
Impact reaction	D-Track	D-Track	D-Track
Protection rating	IP20	IP20	IP20
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C



Residential door operators

(ARGO BT A)



	ARGO BT A 20	ARGO BT A 35
Control unit	VENERE BT A DIS ARGO	VENERE BT A DIS ARGO G
Nominal voltage	24 V	24 V
Power consumption	240 W	240 W
Type of limit switch	Absolute encoder	Absolute encoder
Door surface area	20 m ²	35 m ²
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Steel cord or cable	Steel cable
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	very intensive
Protection rating	IP24	IP24
Environmental conditions	-15 ÷ 55 °C	-15 ÷ 55 °C

Products



Folding gates



Dock equipment



High speed gates

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