

Характеристики

CE

КОНСТРУКТИВНЫЕ		DIVA ECOENERGY - профиль G50 с Термомостом
Установка		на стену / между стен / комбинированный
Материал		Алюминий
Кожух (H x D)		200 x 200 мм
Self supporting casing up to		7 200 mm
Passage width min/max		
• 1 leaf		750 / 1 800 mm
• 2 leaves		900 / 2 900 mm
Max. passage height		3 100 mm
Max. glazing		36 mm

ДИНАМИЧЕСКИЕ

Thermal transmission coefficient U ⁽¹⁾		2 W/m ² .K
Max leaf weight		1 x 140 kg • 2 x 140 kg
with IME / for Emergency exit		1 x 125 kg - 2 x 100 kg
Opening speed per leaf		1 leaf : 10 - 100 cm/s 2 leaves : 20 - 200 cm/s
Closing speed per leaf		1 leaf : 10 - 60 cm/s 2 leaves : 20 - 120 cm/s
Hold open time		1 to 15 s
Opening force		6 to 25 daN
Closing force		6 to 15 daN

(1) Thermal conductivity on a bay H2700 x W4190 (passage H2500 x W2000 mm) / low emissivity glazing / calculation according to the EN14351 standard

ЭЛЕКТРИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Power supply		Mains 50-60 Hz, 230V +10% with earth
Average absorbed power		50W
Motor voltage / Emergency battery		40 Vcc / 12 Vcc
Relative humidity		10% to 93% without condensation
Operating temperature		-20°C / +60°C - Emergency exit door according to EN16005 : +5°C / +40°C

СТАНДАРТЫ

EN 14351, RT2012	Thermal directives
CE	Electromagnetic compatibility: 2004/108/CE directive, Electrical security - Low voltage : 2006/95/CE. Machines: 2006/42/CE directive
EN 60 335-1/-2-103	Safety of household and similar electrical appliances
EN 61 000-6-3	EMC: emission for residential, commercial and light-industrial environments.
EN 61 000-6-2	EMC: immunity for industrial environments
EN 16005	Power operated pedestrian doors : safety in the use

Оборудование/Опции*

Дверной завтор (евро цилиндр)		o
Key bolt (european cylinder)		o
Retractable ground plinth 0-16mm		o 0-16mm
Outside safety unlocking		o

• Standard o Option

* others standards equipments: see DIVA doc.

DIVA ECOENERGY door

Sliding door with Thermal Bridge Break
Раздвижная автоматическая дверь с Термомостом



- Эффективность и комфортная температура
- Новый дизайн с гладкими линиями
- Теплопроводность КП - 2Вт/м.кв.¹
- Толщина остекления до 36 мм

DIVA ECOENERGY является первой автоматической дверью с термомостом. Сочетание технических характеристик и стиля способствует:

- Повышение температурного комфорта в помещениях зимой и летом
- Увеличение объема естественного света, что позволяет уменьшить расходы на освещение (энергосберегающие).
- Влияет на потребление энергии в системах отопления и кондиционирования воздуха.

(1) Теплопроводность проема H2700 x W4190 (H2500 x W2000 открываемый проем) / энергосберегающее остекление / расчет в соответствии стандарта EN14351



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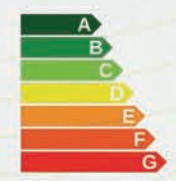
Certified Management System



АВТОМАТИЧЕСКИЕ ДВЕРИ

DIWA ECOENERGY In summer as in winter, you benefit from optimal comfort guaranteeing natural light and energy savings.

The improvement of a building's energy performance implies consideration of all the elements of a façade. If glass illustrates trends in current buildings, on the inside as well as the outside, glazed façades as automatic doors must, more than ever, meet two objectives: allow maximum light to pass (sunlight) while optimizing heat and phonic insulation.



Energy saving is now at the heart of people's concerns. In a sector that is changing and in which new construction rules are being imposed in order to improve the energy performance of buildings, **PORTALP** is relying on its know-how and expertise to offer an innovative solution of automatic doors meeting the highest thermal requirements (RT2012).



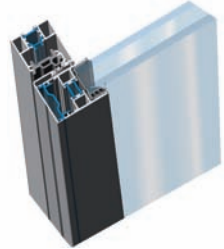
DOUBLE SLIDING



SINGLE SLIDING

DIWA ECOENERGY is the first Thermal Break automatic door. Its thermal performance is based on a combination of three essential components: a Thermal Break casing and frame, a low emissivity insulation glazing.

- The G50 Thermal Break range is conceived with subdivisions made of nylon bars increasing the thermal break between the inside and outside. Each profile in the G50 TBB range has been designed in this way with a view to its thermal performance, whatever is the installed configuration (Surface applied or between walls).



G50 TBB frame

- The **DIWA** operator is fitted with a new articulated cover with soft and contemporary lines. With the same conception, the casing is equipped with polyamide bars mending the thermal bridge with the structure.



DIWA TBB casing

- In order to improve the energy performance of any building, the use of insulation double glazing is essential. The range of G50 TBB profiles is combined with low emissivity double glazing with "Argon" gas filling, the low thermal conductivity of which results in its high insulation capacity.

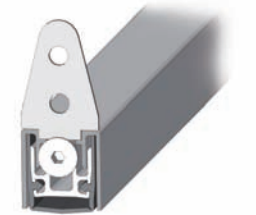


Insulation glazing

Thermal comfort and security

Proposed with a wide choice of finishes, **DIWA ECOENERGY** is definitely part of a sustainable energy approach, improving comfort and well-being in buildings.

- An automatic retractable plinth is proposed to insure a perfect airtightness on the ground. This cold-free floor device puts a pressure on the floor during door closing and prevents the inside / outside air exchanges.
- For optimum security, various equipments are proposed:
 - An automatic locking, that can be ordered from a transmitter key or standard key, allow to close the door easily.
 - A panic bolt, integrated into the leaf, ensures a high and low door locking.



Automatic retractable plinth



Controls and detection

To provide your project with the best solution, a wide range of controls and detection mechanisms are offered:

- Standard controls to ensure fluidity and safety of passage.
- Specific controls for customized access control.
- Controls for disabled people with reduced mobility.



Naviblu 2



Visioblu S remote control



Active infrared security



IR key



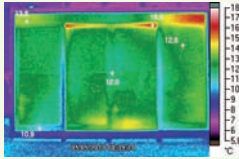
Hyperfrequency detection



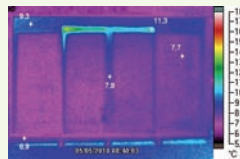
What more relevant than a photo for highlighting the thermal behaviour of two types of doors?

A map of the surface temperatures can be made using infra-red thermography. The study conducted was purely for educational and demonstration purposes but the result is eloquent.

$U^{(1)} = 2 \text{ W/m}^2 \cdot \text{K}$
 (1) Thermal conductivity of a bay H2700 x L4190 (that is an opening H2500 x L2000 mm)



Standard aluminium frame and 44/2 glazing*



DIWA ECOENERGY*

*Tests carried out independent Alldiag38 laboratory / Test conditions: Temp. in 25°C/out 8°C.