

Energy efficiency certificate

Berner Torantriebe KG Garage door openers GA203-GA403

In its inspection report for a power-operated door system from 23/09/2013, TÜV Süd confirmed our low average power consumption of **only 0.5 watts** through an **energy efficiency measurement**; i.e. the annual power costs are **< 1€**.



Sample door (Sectional door: 2.15 x 2.50 m; Leaf weight: 59.2 kg; counterbalanced by tension spring packages)	Energy requirement in reference run	Standby consumption in the open position after the light period lapses
Opener, type GA203	0.61 Wh	0.20 W
Opener, type GA403	0.51 Wh	0.23 W

Due to different installation methods, door sizes, door weights and temperature influences, the movement requirement values may differ. In addition, any peripheral devices that are connected may affect standby consumption.

Annual power costs for the sample door with GA203

Assumptions: Cycles per day: 5
Costs / kWh power: 0.3 euro

Standby: Consumption: $0.2 \text{ W} \times 24 \text{ h} \times 365 \text{ days} = 1752 \text{ Wh} \approx 1.8 \text{ kWh}$
Costs: $1.8 \text{ kWh} \times 0.3 \text{ euro} = 0.54 \text{ euro}$

Movement requirement: Consumption: $0.61 \text{ Wh} \times 5 \text{ cycles per day} \times 365 \text{ days} = 1113 \text{ Wh} \approx 1.1 \text{ kWh}$
Costs: $1.1 \text{ kWh} \times 0.3 \text{ euro} = 0.33 \text{ euro}$

Total costs: $\approx 1 \text{ euro per year}$



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