

DATA SHEET

Main properties



Resistance to wind load

Class 5



Thermal insulation

Up to 1.04 W/(m²K)



Acoustic-rated

26 dB



Resistance to water penetration

Class 1



Air permeability

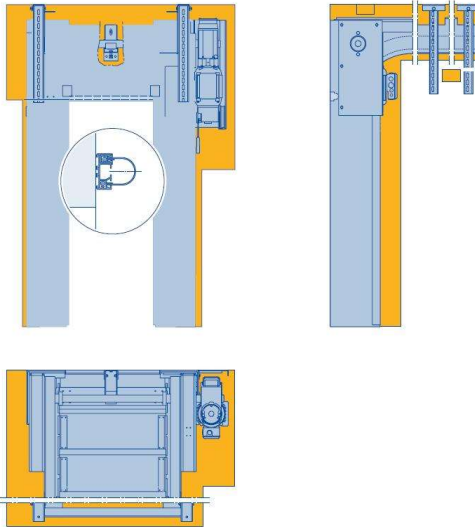
Class 2

The values depend on the configuration of the door.

HS 5012 PU N 42 S

Insulated door with narrow side elements

This door not only convinces with its narrow side elements, which enable fitting in tight spaces. You can fit this high-speed sectional door in the lintel if limited space is available. For this low headroom version, 550 – 750 mm is sufficient. This door is not only extremely fast, it also resists wind forces of up to 5. The 42 mm thick sections with thermal break made from robust steel are PU-foamed and guarantee a good U-value.



Door size

Max. width	5000	mm
Max. height	5000	mm

Speed (frequency converter control, 3-phase, AK 500 FUE-1)

Max. opening speed	1,2	(m/s)
Max. closing speed	0,5	(m/s)

Product description	
Use	Internal and external door
Depth (mm)	42
Section height (mm)	250
Design	Non-self-supporting
Guide material / surface	Aluminium, shaft cover galvanized steel, high-quality wet coating – coating in RAL 9006
Ventilation grille	Ventilation cross-section 54%
Volt-free contacts	3
Track application	Track application N (normal)

Equipment features		
Exterior surface finish	Microgain	•
Interior surface finish	Stucco	•
Standard colour	RAL 9006	•
Optional colour	High-quality wet coating – coating, RAL to choose	○
Aluminium rail windows	Anodised aluminium E6 / EV1	○
Glazing	Double synthetic panes, Duratec 26 mm	○
ThermoFrame		○

• Standard ○ Optional

Performance characteristics			Achievable values
Resistance to wind load according to EN 12424	Door width ≤ 5000 mm	Class	5
Thermal insulation acc. to EN 13241-1, ISO 12567-1 Door size 4000 x 4000 mm, without glazing, with ThermoFrame		W/(m²•K)	1,04
Acoustic insulation acc. to EN 717-1		R [db]	26
Resistance to water penetration acc. to EN 12425		Class	1
Air permeability acc. to EN 12426		Class	2

The performance characteristics specified can only be achieved with the corresponding equipment.

Safety and operator equipment		
Emergency opening	Emergency hand chain	•
Safety equipment	EN 13241.1	•
Operator and control	Frequency converter	•
	Connecting voltage, 3-phase, 3 – 400 V, N, PE	•
	Open-Stop-Close button	•
	Main switch with all-pole switch-off, 3-phase	•
	Emergency-off button, 3-phase	•
	Electronic limit switch DES	•
	Closing zone monitoring, safety grille IP 67	•
Protection category for operator / control	IP 54 / IP 65	•
Fuse protection, 1-phase, 3-phase	16 A, slow-acting	•
Control wiring	Plug-in	•

• Standard ○ Optional

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