

HAHN integral

Automatic Louvre Window with double or triple glazed glass



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HAHN integral

Product Summary and Benefits

For the first time (and protected by patent rights) the HAHN-Louvre Window Integral features an electric motor incorporated within the window frame, hidden from view. This aesthetically pleasing appearance also provides protection for the motor against weather and tampering.

The glass louvres are framed with Aluminium sections incorporating a thermal barrier. The Integral is officially certified for natural smoke and heat extraction (EN 12101-2) and ball protection for sports facilities (DIN 18032-3).

glass types

Various combinations of glass in regards to thermal insulation, protection and colour depending on specific requirements. Glass can be either float, semi-tempered, toughened or laminated.

Sandwich panels can be offered in various combinations instead of glazing for better insulation.

operation

Manual operation by hand lever, crank handle or hand wheel. Electric operation by 24vDC or 240vAC motor. Pneumatic 24vDC electric motor operator is required for NSHEV model compliant to EN12101-2.

installation

This product can be installed by our expert technicians, ensuring that the product is working to its maximum capabilities. We also provide service technicians which ensure that the system is well maintained, ensuring that the system is always at 100%. Please consider lead time, as this process can vary dependent on the size of the project.

benefits

- Motor is concealed within the framing
- Small and compact frame
- High performance U value due to the thermally broken frame
- Provides enhanced natural lighting
- Allows greater design freedom
- Enhanced airflow



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Technical Details and Characteristics

Please see the table below for relevant technical details and characteristics of the HAHN Integral Automatic Glazed Louvre System.

profile	Window Frame	AL-Profiles, Thermal Broken
	Louvre Blade Frame	AL-Profiles, Thermal Broken
dimension	Frame Width	min. 250mm, max. 1800mm
	Frame Height	min. 520mm, up to any height
	Louvre Blade Height	min. 150mm, max. 350mm
	Frame Depth	80mm
	Max. Opening Angle	83°
glazing	Glazing	Insulated Glass (double/triple)
	Glass Thickness	28mm
	Standard Glazing	6 / 16 / 6
	Glass Types	Float, Toughened, Laminated, Semi-Tempered
	Alternative Infill Types	Insulated aluminium panel
operation		Manual, Electrically
surface		Anodised / PPC finish
performance	CE Certified (EN 12101-2)	Smoke Vent
	Aerodynamic Performance Cv	0,54
	Air Permeability (EN 12207)	Class 3
	Watertightness (En 12208)	Class 3A
	Resistance Against Wind Loads (EN 12210)	Certified
	Uw-value (EN ISO 10077)	Uw (max) = 1,7 W/m²K
	Further Characteristics	Ball protection proof (DIN 18032-3)



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