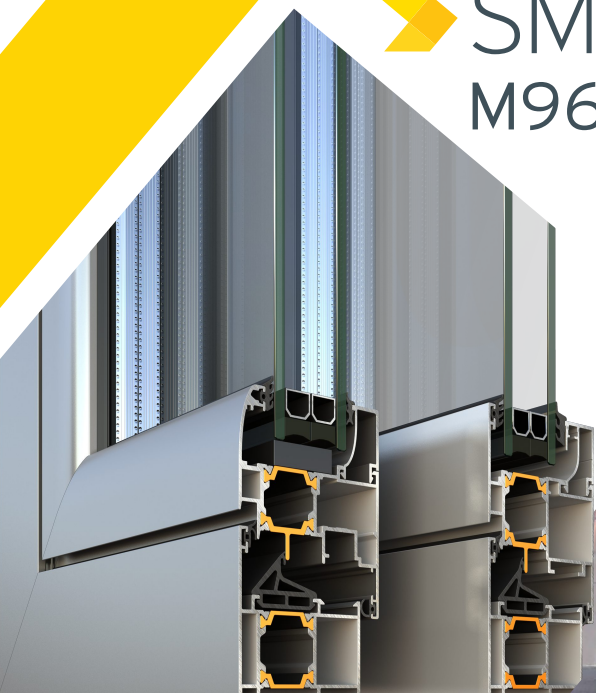


# ALUMIL

## SMARTIA M9660



### HINGED INSULATED SYSTEM

SMARTIA M9660 is an insulated Tilt & Turn system for areas with warmer climate, ensuring high quality constructions and application of various typologies with considerable thermal performance. It is ideal for renovations, combining safety and functionality, without requiring high investment costs.

- Basic system depth 56 mm
- Special profiles available for various entrance doors typologies
- Available in various designs (flat, curved)
- European groove or PVC groove hardware can be applied
- Max. glass thickness up to 49mm and weight per sash up to 130 Kg
- Sound proof up to 36 dB
- Certified by the IFT Rosenheim institute

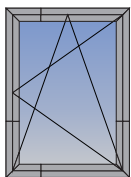




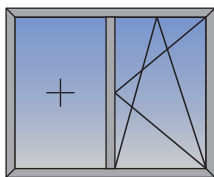
### TECHNICAL CHARACTERISTICS

Visible aluminium face width	91,5 mm
Frame height	45/55 mm
Frame width	56 mm
Sash height	63,5/74 mm
Sash width	63,5 mm
Sash weight	130 Kg
Glazing	up to 49 mm
Insulation	Polyamides 24 mm width

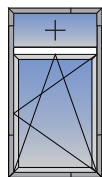
### TYOLOGIES



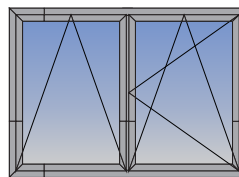
Single tilt & turn casement



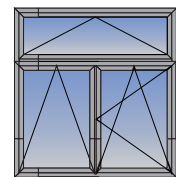
Single tilt & turn with side-hung casement



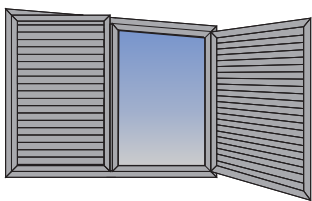
Single tilt & turn casement with fanlight



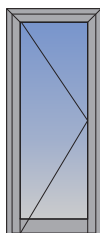
Single tilt & turn with side-hung casement



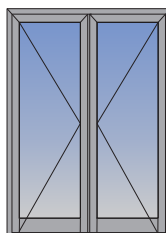
Single tilt & turn with side-hung and bottom hung casement



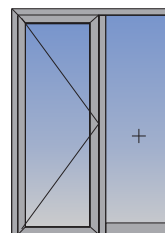
Single tilt & turn with side-hung casement & with shutter



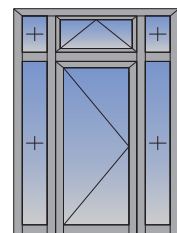
Single leaf door



Double leaf door



Single leaf door with fixed light



Single leaf door with fanlight and fixed lights

### CERTIFICATES

	Air permeability EN 1026, EN12207	CLASS 4
	Watertightness EN 1027, EN 12208	CLASS E1650
	Resistance to wind load EN 12210, EN 12211	CLASS C5/B5
	Burglar resistance EN 1627-1630	RC2
	Thermal Insulation EN 10077-2	U <sub>f</sub> from 1,8 to 2,5 W/m <sup>2</sup> K
	Sound reduction EN 14351, EN 717	R <sub>w</sub> (C;Ctr) = 36 (-1;-4) dB

