

# W 450



Tilt-and-turn window system with thermal insulation for maximum energy savings.



EN 14351-1:2006+A2:2016

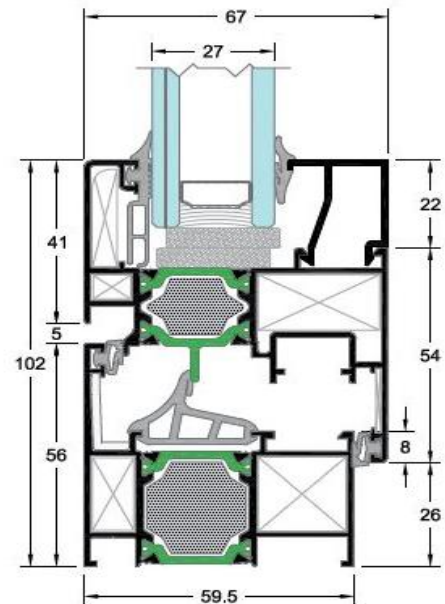


The W450 system belongs to the thermal insulation systems generation and has been designed with attention to detail in order to meet contemporary architectural needs for energy efficiency and safety.

This line's wide range of profiles offer numerous innovative solutions, from flat to curved sections, as well as the ability to apply complex typologies such as "aller-retour" doors, rotating windows and opening frames with hidden sash in order to achieve a high-level aesthetics.

The available profiles collaborate perfectly with high-quality components and mechanisms which underline the system's multi-faceted and ergonomic nature.

The system's priority for maximum energy savings and high safety is ensured due to the possibility of perimeter locking and the use of 24 mm reinforced polyamides offering a Thermal insulation Index  $U_f=2.2-2.6 \text{ W/m}^2\text{K}$  and a Sound Reduction Index  $R_w$  of 43 dB.



### Features & Benefits

- High energy savings thanks to exceptional thermal performance
- Ease of use and high functionality
- High level of security thanks to multiple perimeters locking
- Multi-chamber central gasket that secures optimum impermeability preventing energy loss.
- Simplified accessibility for people with special needs and children
- Possibility of using hidden hinges
- Use of double or triple glazing
- Wide range of typologies and solutions
- Greater static resistance and functionality
- Ideal solution for homes and buildings
- Window type: Casement
- Thermal insulation: Yes
- External shape: Flat

## Technical Characteristics

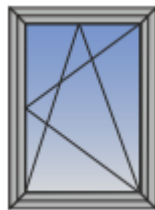
## Performance

<b>FRAME DEPTH:</b>	59.50 mm	<b>RESISTANCE TO WIND LOAD (UNI EN 12210)</b>	Clase C3
<b>SASH DEPTH:</b>	67.00 mm	<b>WATER TIGHTNESS (UNI EN 12208)</b>	Classe 8A
<b>FRAME HEIGHT:</b>	102.00 mm	<b>AIR PERMEABILITY (UNI EN 12207)</b>	Classe 4
<b>MIN. WIDTH CENTRAL: COLUMN</b>	157.00 mm	<b>THERMAL TRASMITTANCE <math>U_f</math> W/(m<sup>2</sup>K)</b>	2.2 -2.6
<b>SASH WEIGHT:</b>	up to 150 Kg	<b>THERMAL TRASMITTANCE <math>U_w</math> (UNI EN ISO 10077-1)</b>	1.40
<b>GLAZING TYPE:</b>	Double/ Triple		
<b>GLAZING THICKNESS:</b>	15-51 mm		
<b>THERMAL INSULATION:</b>	Polyamides 30 mm, Insulation foam		

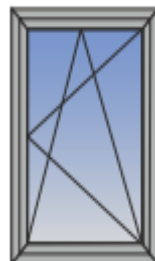
## TYOLOGIES



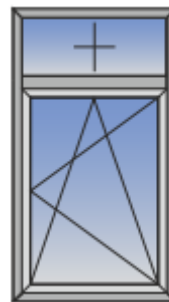
Fixed



One sash tilt and turn



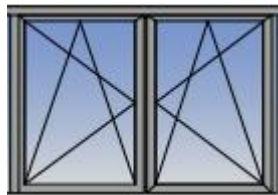
One sash tilt & turn low threshold



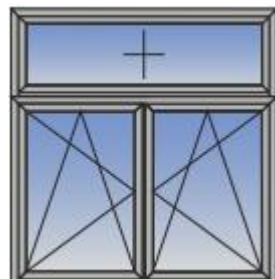
Single tilt & turn with fixed light



Single tilt & turn with fanlight



Double tilt and turn



Double tilt and turn with fixed light



Double tilt and turn with fanlight



Double tilt and turn



Rr. PRUSH, VAQARR  
TIRANA, ALBANIA  
MOB: +355(0)692091900  
Email: [info@windowtech.al](mailto:info@windowtech.al)  
[www.windowtech.it](http://www.windowtech.it)