SAPPHIRE
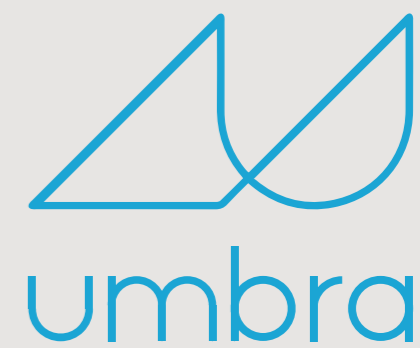
SAPPHIRE

Explore the stunning new structural glazing solutions with maximized perspectives…

Sapphire is a new generation of innovative outdoor protection that expands outdoor living areas with its wide panoramic motorised glass panels. The system offers a high end fine frame designed guillotine glass system enriched with a perfect combination of luxury and functionality.

The patented worm shaft technology is supported with creative gearing mechanism that provides high level of safety and eliminates the operational problems with maintenance-free mechanism. Systems can incorporate tempered glazing with exclusive frame, glass type and glass color options. Optional two or three panels configurations are available with perfectly balanced motorised operation by remote control. Thanks to strengthened counterweight movement mechanism motor provides balanced up/down operation and panels can be stacked to either upwards or downwards.

System can be configured to fit and cover various types of areas such as restaurants, terraces, wintergardens, balconies either private or commercial. In addition system can be adapted with Suntech range so if there's a Suntech model to suit you can cover any large open area with side glazing options.

Depending on application, panels can be operated & stacked to suit, either upwards or downwards. Alternative opening-stacking configurations provide an infinite range of spacious living area options.
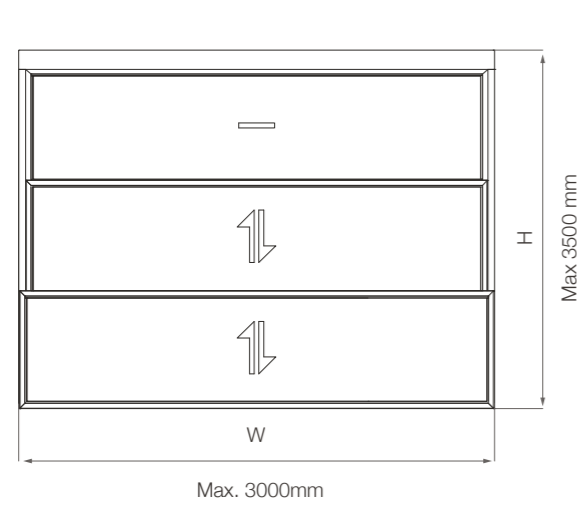
Thanks to multiple stacking positions, fixed panels can also incorporate the function of balustrades. The position of movable panels can be adjusted according to desired height.
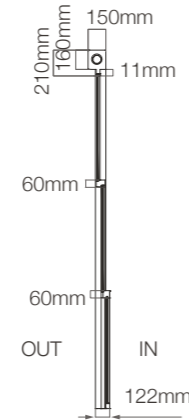
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SUNTECH

SAPPHIRE

Configurations

3 Panels / Up Parking

Standard Tempered Single Glass 8 / 10mm

150mm
210mm 160mm
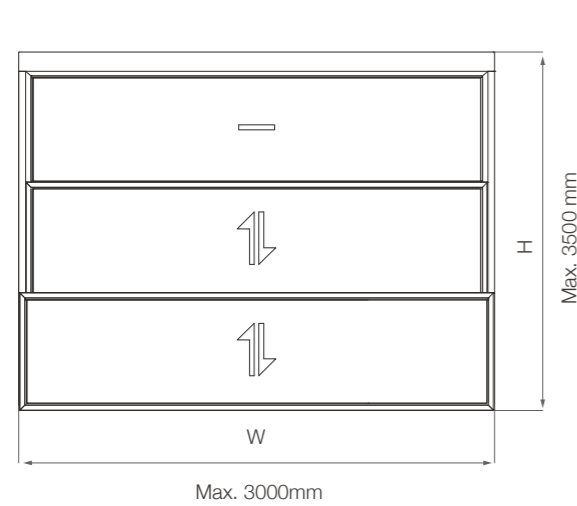11mm
60mm
60mm
OUT   IN
122mm

Max. 3500 mm H

W

Max. 3000mm

Internal View   Lateral Section

Insulated Double Glass 4+12+4 mm (width 2000-3000 mm max.)

150mm
210mm 160mm
11mm
60mm
60mm
OUT   IN
122mm

Max. 3500 mm H
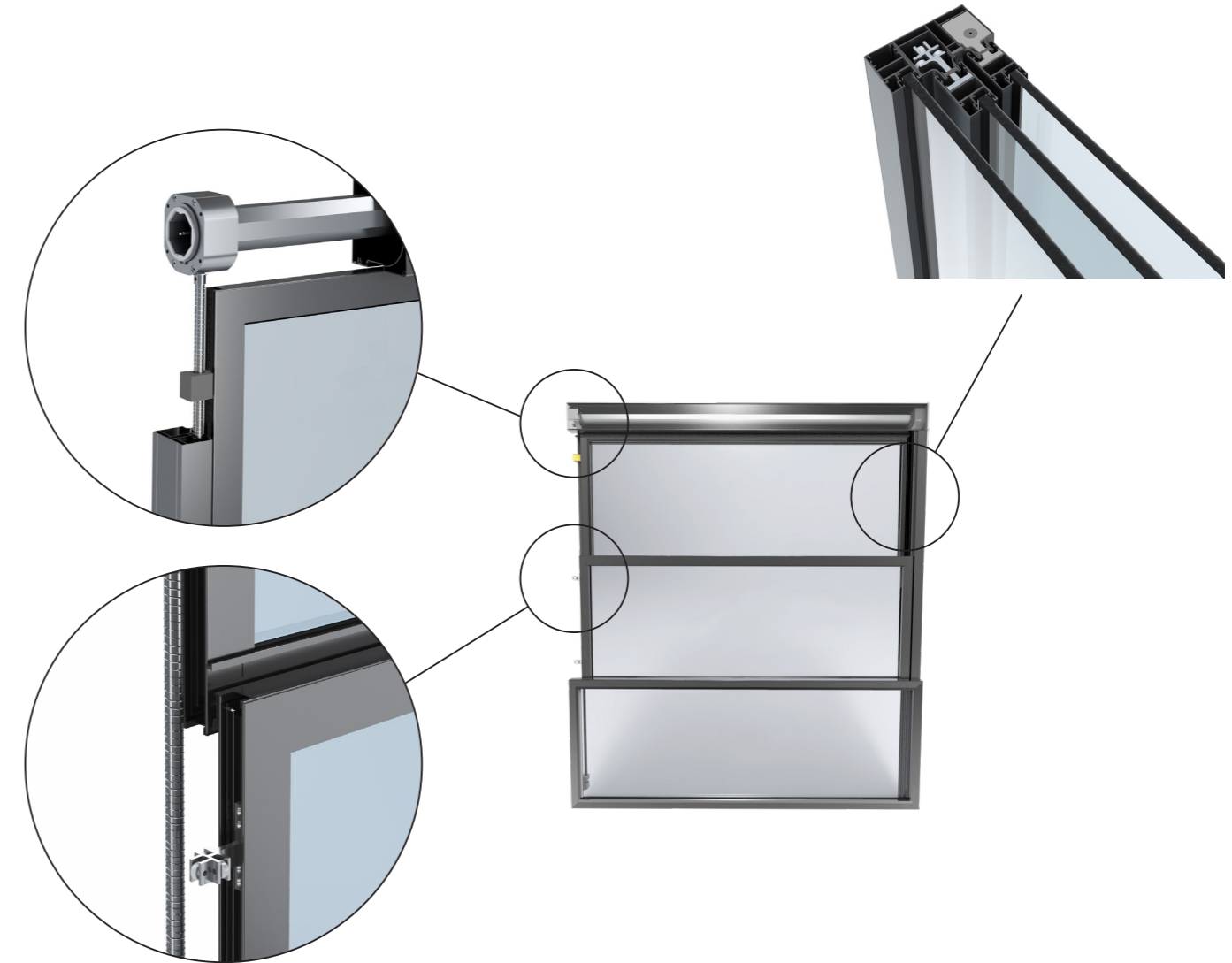
W

Max. 3000mm
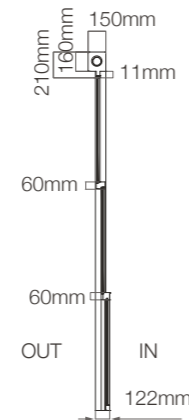
Internal View   Lateral Section

Worm Shaft Technology

- The patented Worm Shaft technology eliminates the trembling and gives smooth movement even on large dimensions with its maintenance-free mechanism.
- This smart techology provides high degree safety compared to other working mechanism based on belts, ropes.
- Gearbox system transfers the movement from the gear to the worm shaft mechanism and ensures the continuation of the movement.
- System has pure balanced up/down operation thanks to strengthened counterweight movement mechanism. Second panel supported by three-wheeled slider and ensures vibration-free movement.
- Depending on application, panels can be operated & stacked either upwards or downwards. Alternative opening-stacking configurations provide various range of spacious living area options.

SAPPHIRE

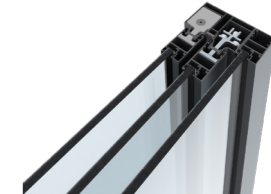## Technical Details

2 Panels
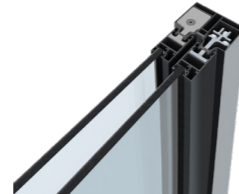
Description	Glazing Type
Glazing	Standard 8mm Tempered / Optional 10mm Tempered and 4+12+4mm/5+10+5mm Insulated.
Max. movable glazed frame weight	110kg
Max. height	300cm
Max. width	400cm (Min width :120cm)
Max. size	12 sqm
Surface finish	Electrostatic powder-coating
Motor type	220 VAC 50/60Hz Tubular motor 85NM or 120NM Direct Drive
Control	Switch, remote or smart control options

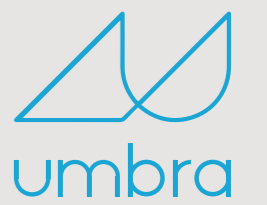| Description	Glazing Type
Standard Glazing	8mm Tempered Clear Glass
Large Span Glazing	10mm Tempered Clear Glass
Double Insulated Glazing	4mm T + 12mm air gap + 4mm T 5mm T + 10mm air gap + 5mm T

3 Panels

Description	Glazing Type
Glazing	Standard 8mm Tempered / Optional 10mm Tempered and 4+12+4mm/5+10+5mm Insulated.
Max. movable glazed frame weight	220kg
Max. height	350cm
Max. width	400cm (Min width :120cm)
Max. size	12 sqm
Surface finish	Electrostatic powder-coating
Motor type	220 VAC 50/60Hz Tubular motor 85NM or 120NM Direct Drive
Control	Switch, remote or smart control options

Description	Glazing Type
Standard Glazing	8mm Tempered Clear Glass
Large Span Glazing	10mm Tempered Clear Glass
Double Insulated Glazing	4mm T + 12mm air gap + 4mm T 5mm T + 10mm air gap + 5mm T

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OUTDOOR
LIVING