



Alumil
Building excellence every day

Alumil  **SMARTIA**
MF65



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SMARTIA MF65

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SMARTIA MF65

Thermally insulated system for folding doors, with minimal design and excellent performance.

Merge indoor & outdoor spaces
with our seamless folding dividers

Alumil SMARTIA
MF65

SMARTIA MF65 is a
thermally insulated
folding door system...

with bottom-slide operation and **minimal design**.
The profiles are very thin and, as a result, the
aluminium frames are slightly visible (**88mm**).

EXTEND YOUR LIVING SPACE
IN THE MOST ELEGANT WAY



Thanks to its **special design**, including its state of the art accessories, the series allows constructions of large dimensions and high performance in terms of tightness & insulation.

The system offers a wide variety of technical solutions, ideal for modern residences, hotels, stores and other commercial premises. These applications, either open or closed, **provide your spaces with exceptional functionality and stylish outcome.**

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MF65

Less aluminium,
unimpeded view!



KEEP IT MINIMAL

THE SYSTEM HAS BEEN SPECIALLY DESIGNED TO:

- Bring more natural light into your space, offering slim sightlines (**88 mm**) and maximizing **visibility**.
- Elevate the aesthetics of your place, thanks to its **minimal design** and very thin profiles.
- Achieve **top performance** in terms of air permeability, watertightness and wind load resistance.
- Increase **energy and cost efficiency**, thanks to the high thermal insulation (up to $U_w = 1.1 \text{ W/m}^2\text{K}$).
- Allow robust large constructions (up to 3.0 m) and high levels of burglar **protection**.
- Offer a **wide variety** of solutions, i.e. odd & even number of vents, double & triple glazing, corner construction, standard or low thresholds, etc.

TECHNICAL

CHARACTERISTICS



SASH THICKNESS	65 mm
SASH TO SASH FACE WIDTH	88 mm
GLAZING THICKNESS	24-44 mm
POLYAMIDES	DOUBLE, UP TO 32 mm
EXTRA INSULATING FITTINGS	NRG BAR & PE FOAM INSULATION
MAIN GASKET	EPDM
PANEL LOCKING	QUADRUPLE SHOOT BOLTS
MAXIMUM WEIGHT	140 Kg / VENT
MAXIMUM VENT HEIGHT	3.0 m
MAXIMUM VENT WIDTH	1.3 m



HANDLES & HINGES



- ALUMIL design handles of high quality and aesthetics.
- Extra pull-handle, integrated with the hinge, for easier vents' sliding.
- Specially designed hinges, which enhance construction robustness.



SPECIAL ROLLER-HINGES

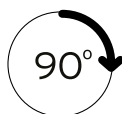
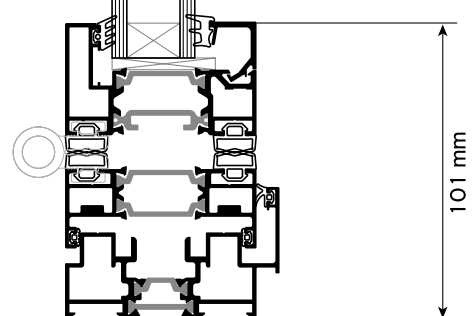
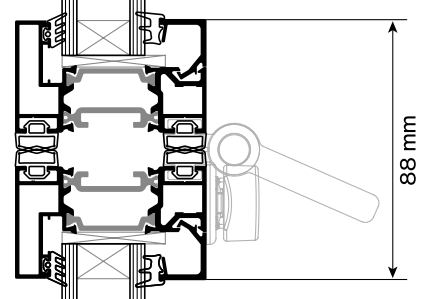
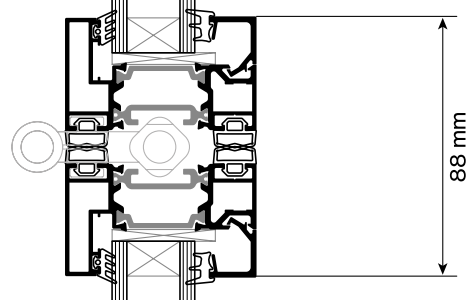
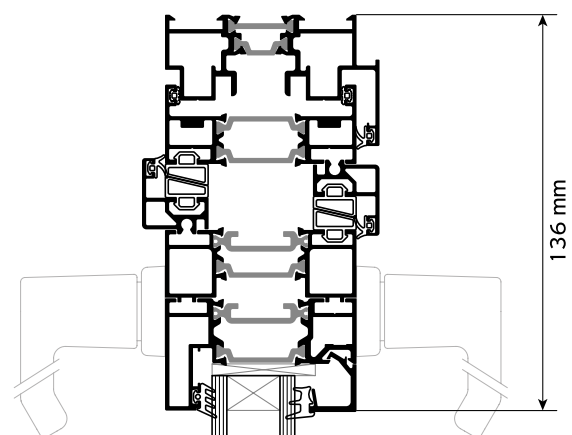
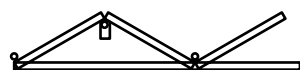
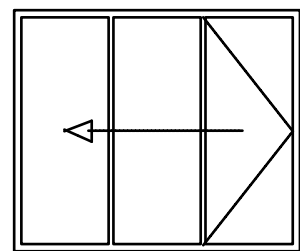
- Reinforced construction for maximum weight, up to 140 Kg per vent.
- Quadruple heavy-duty rollers, that contribute to smooth sliding on the bottom rail.
- Stainless steel parts that enhance rust protection.
- Special fitting for burglar protection.
- Adjustable, for easier sash alignment.

EXTRA FEATURES

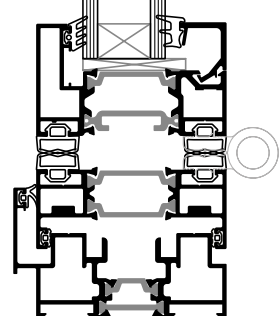
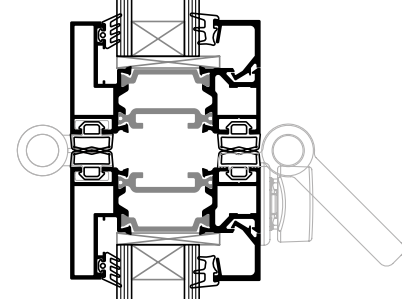
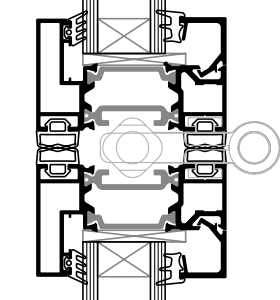
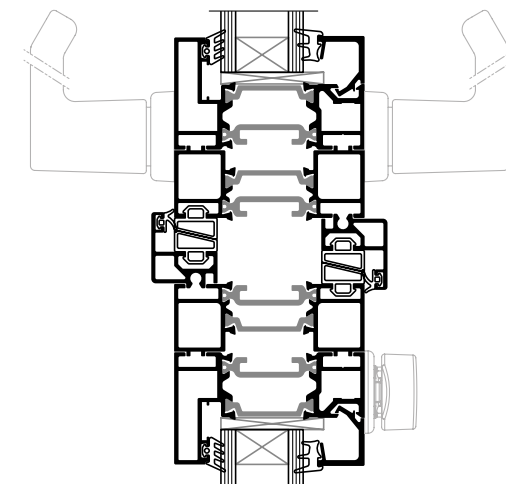
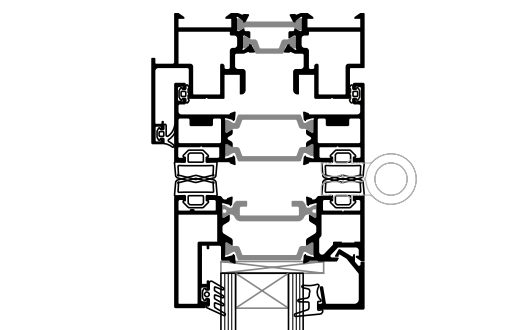
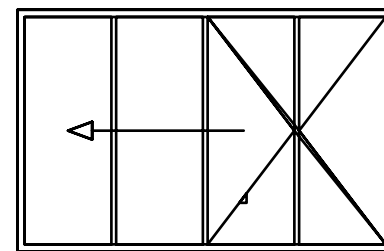
- Quadruple locking of the intermediate vents, an innovation for enhanced security and better wind load resistance.
- Glass-filled polyamides with thermally insulating core, for high levels of thermal insulation.
- Double EPDM gaskets and special fittings, for maximum sealing.



3+0 Opening outwards

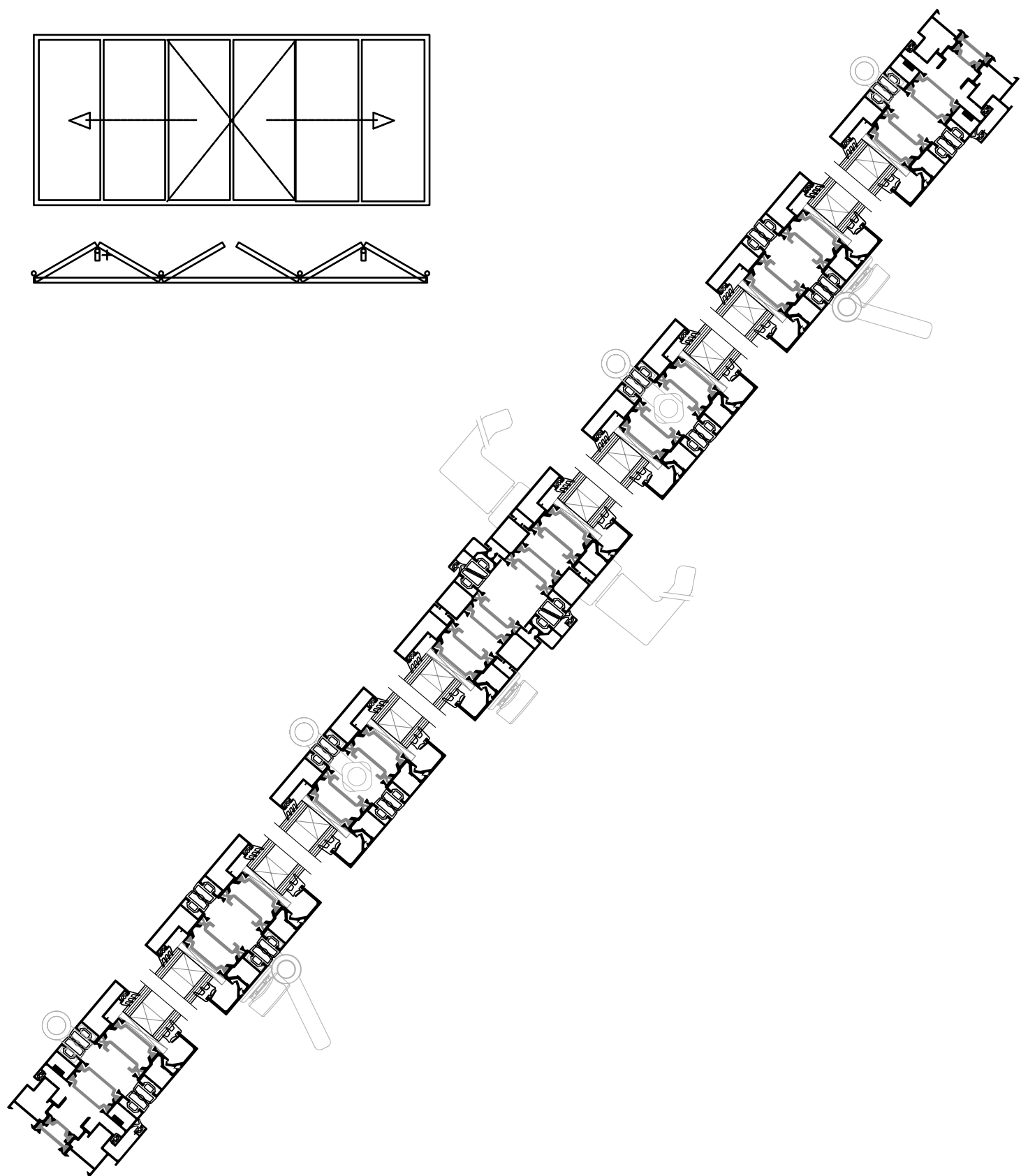


3+1 Opening inwards

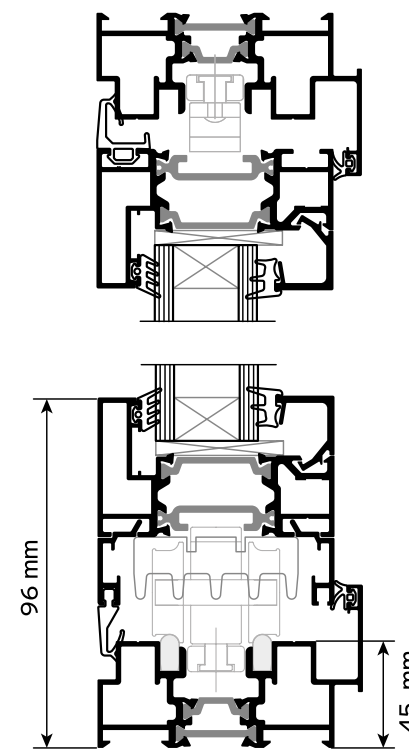


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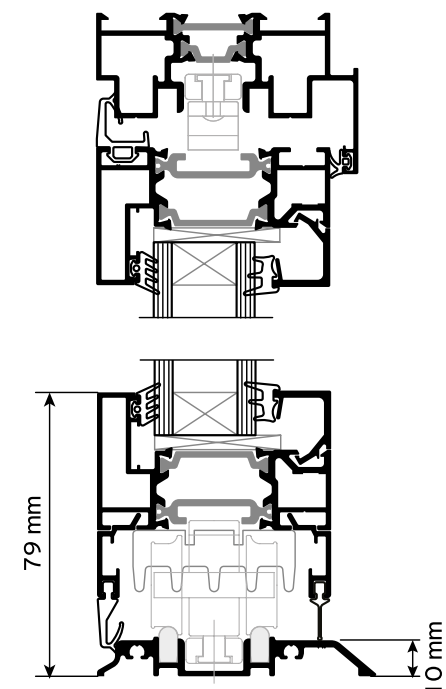
3+3
Opening outwards



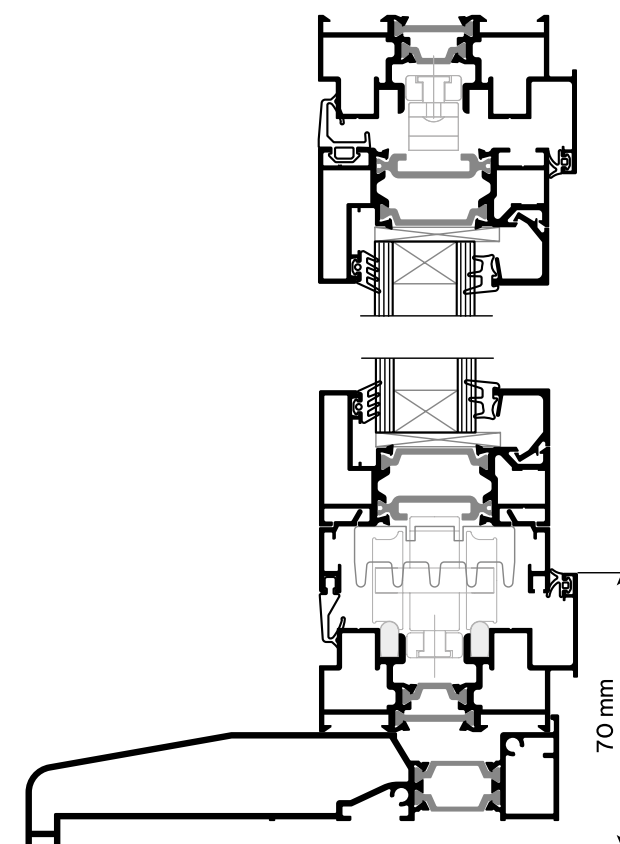
Standard threshold



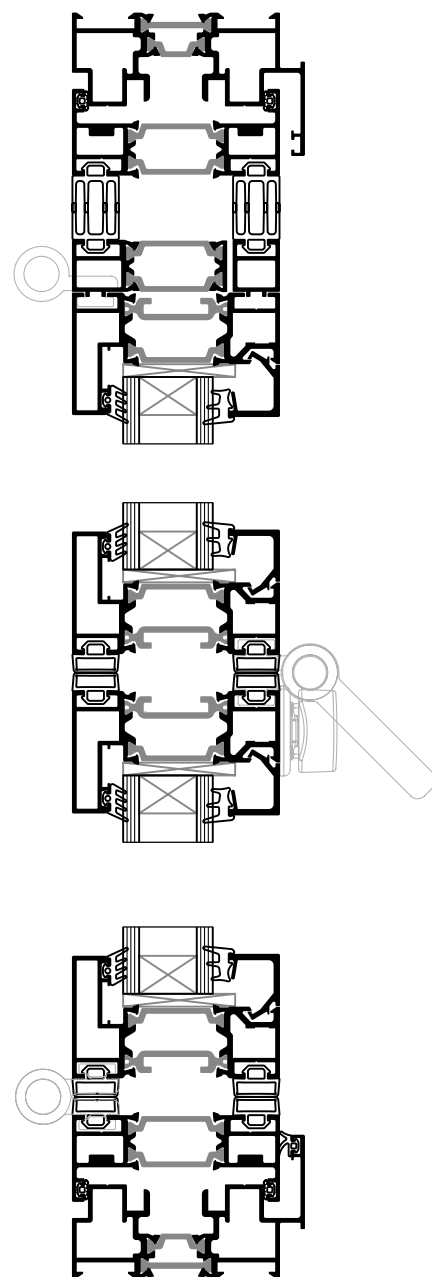
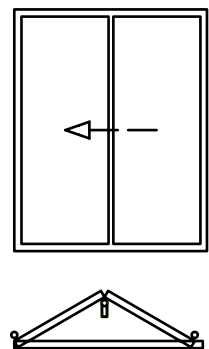
Low threshold



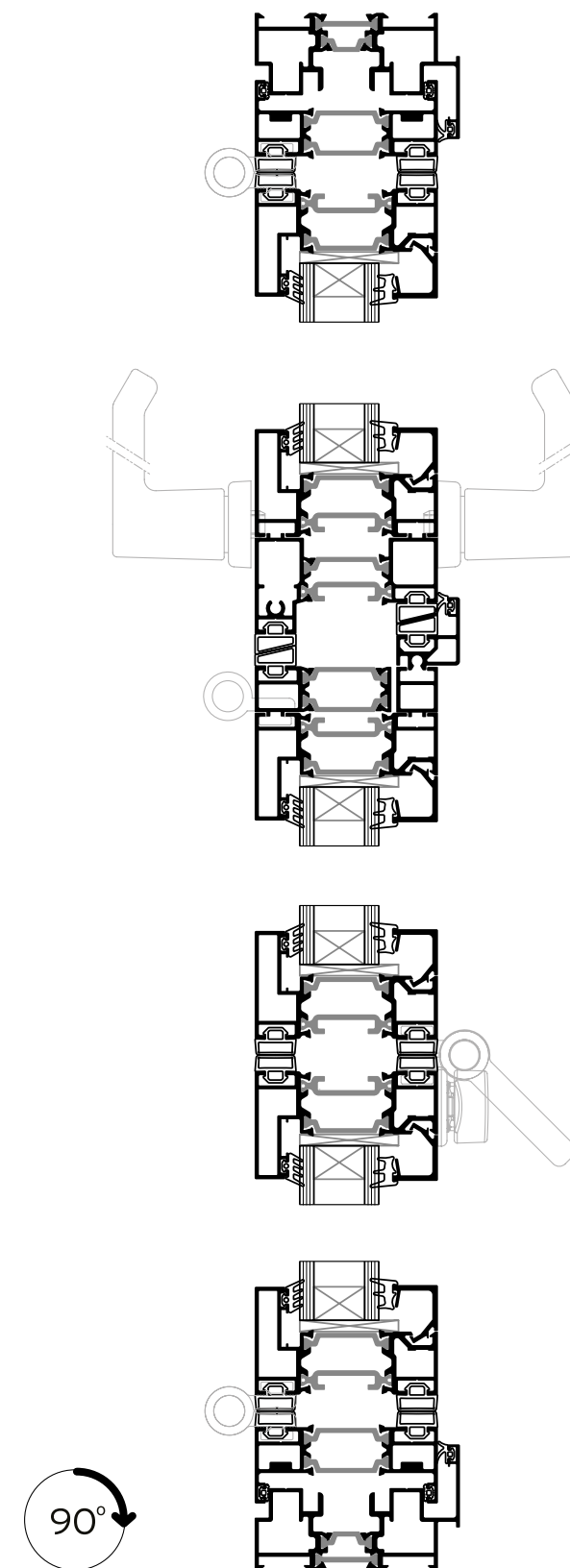
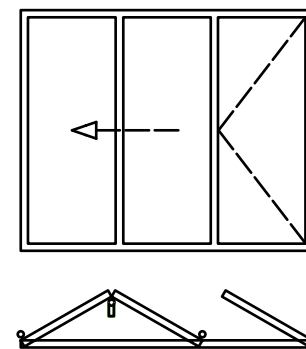
Threshold with subsill



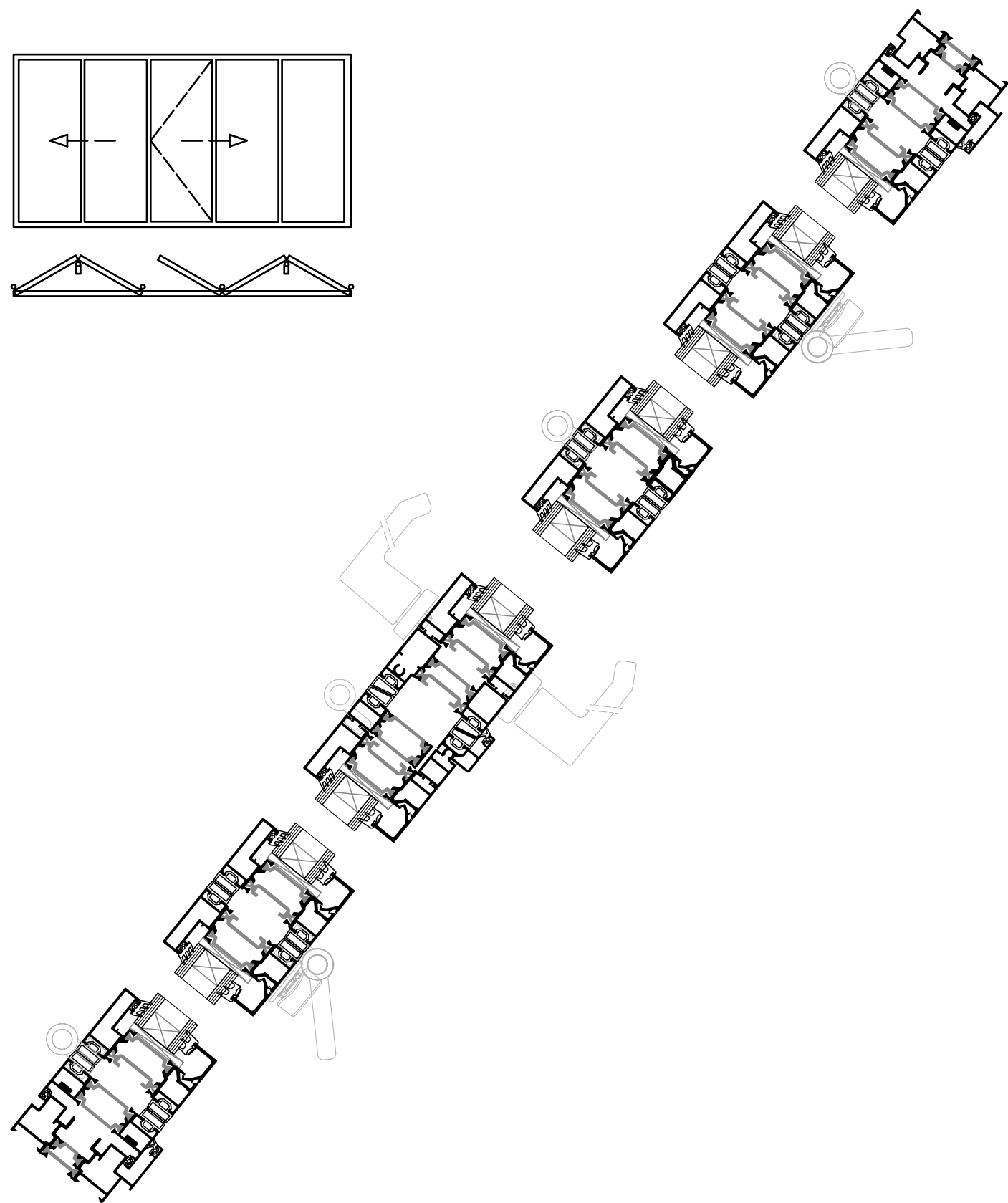
2+0 Opening outwards



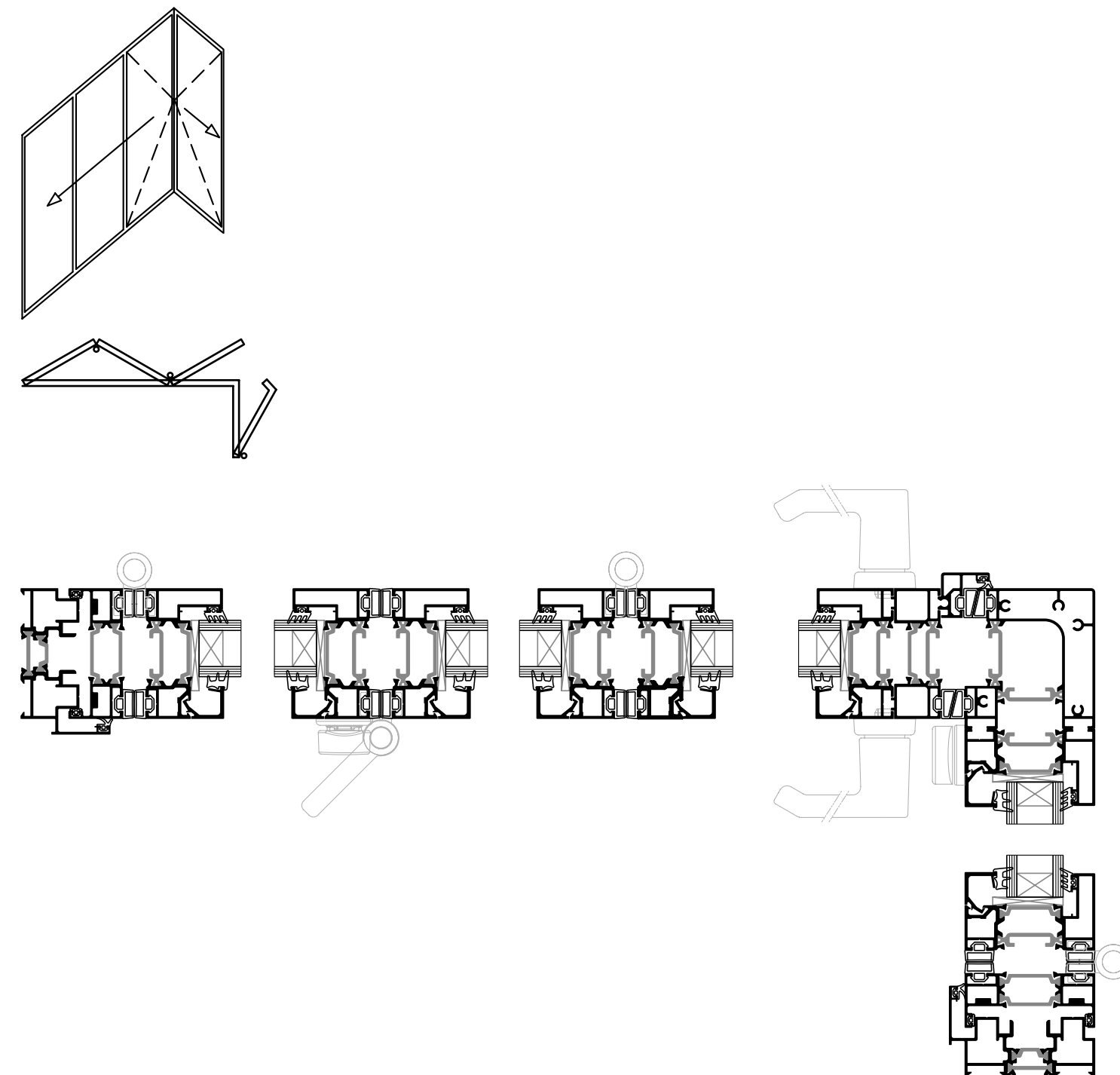
2+1 Opening outwards



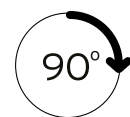
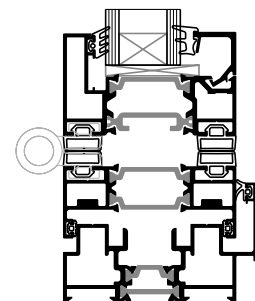
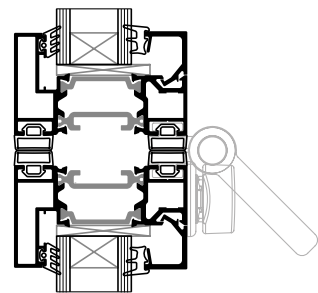
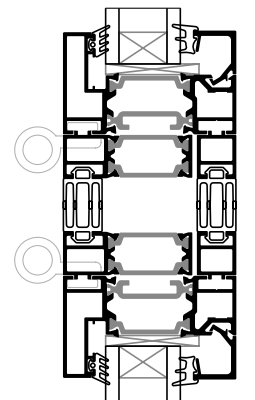
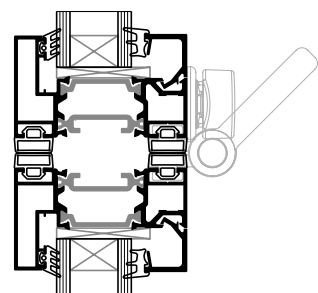
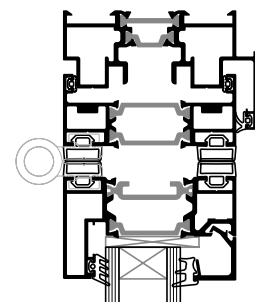
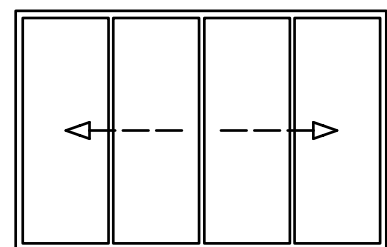
2+3 Opening outwards



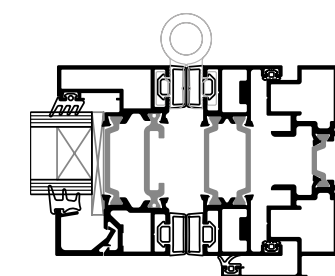
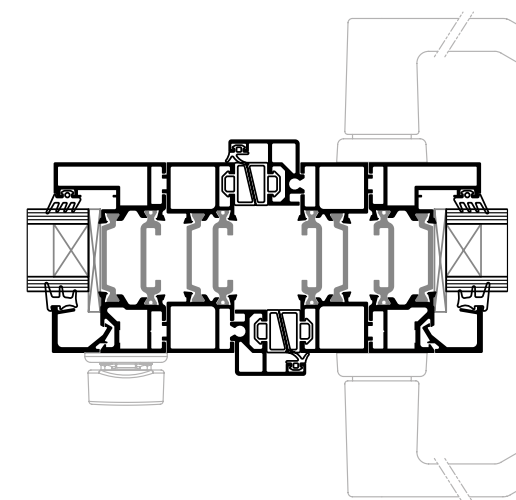
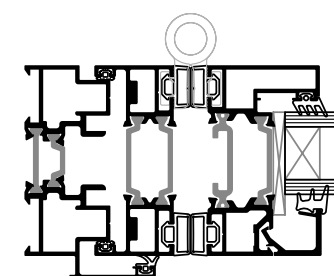
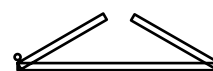
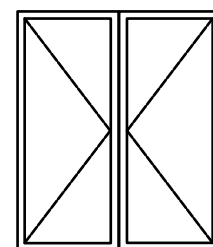
3+1 Corner construction



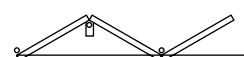
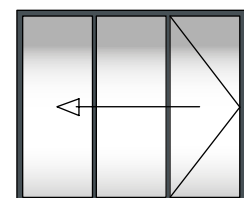
2+2 Opening outwards



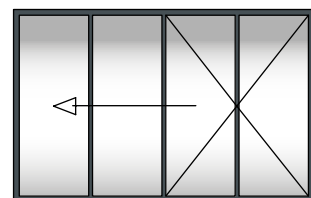
1+1 Opening outwards



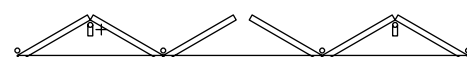
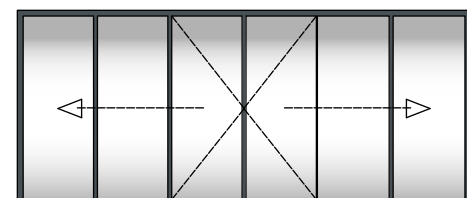
Applications



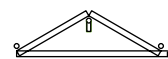
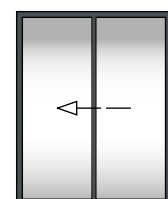
n+0



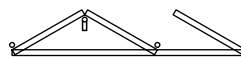
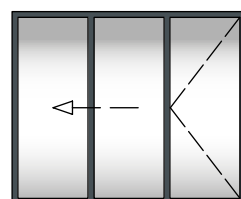
n+1



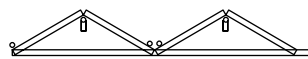
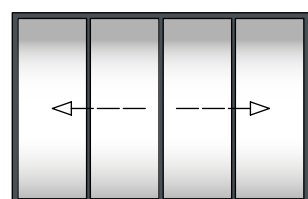
n+n



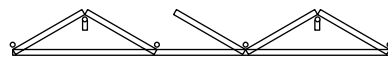
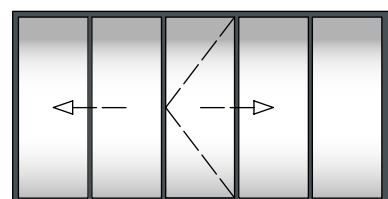
m+0



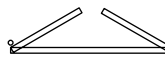
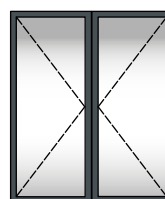
m+1



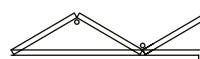
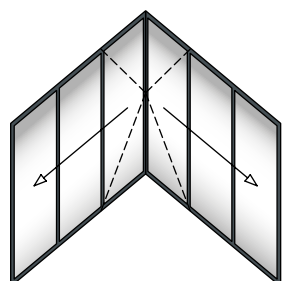
m+m



m+n



1+1



n+n
Corner Construction

All typologies can:

- / Open outwards or inwards.
- / Use standard or low threshold.
- / Allow very large number of vents.

* "n" for odd number (e.g. 7) ⊕ "m" for even (e.g. 6).

Table of performance

CERTIFICATION



WATER TIGHTNESS
EN 12208



AIR PERMEABILITY
EN 12207



WIND LOAD RESISTANCE
MAX TEST PRESSURE
EN 12210



WIND LOAD RESISTANCE
TO FRONTAL DEFLECTION
EN 12210

CLASSIFICATION

1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)
1 (150 Pa)		2 (300 Pa)		3 (600 Pa)		4 (600 Pa)		
1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)
A (≤ 1/150)			B (≤ 1/200)			C (≤ 1/300)		

THERMAL PERFORMANCE

DIMENSIONS IN MM
(W x H)

U_w in W/m²K
(U_g = 0,6)

U_w in W/m²K
(U_g = 0,8)

U_w in W/m²K
(U_g = 1,1)

3+0	2.6 x 2.8 m	1.13	1.29	1.54
3+1	3.45 x 2.8 m	1.11	1.27	1.52
3+0	3.3 x 2.7 m	1.06	1.23	1.48

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DISCOVER MORE:



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