



WINDOWS

Casement

WJ110 thermal-break aluminum · outswing, push-out operation · retractable interior screen



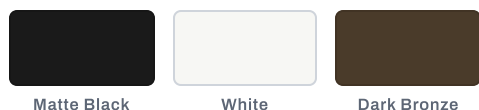
THE SYSTEM

A thermally broken aluminum casement on the WJ110 platform. The sash swings out on a push-out handle, so the opening stays clear and the retractable screen sits inside, out of the weather.

CONSTRUCTION

Frame depth	110 mm (4-5/16")
Sightlines	Frame 44 / sash 68 mm
Profile wall	2.0 mm, 6063-T5
Thermal break	Polyamide struts, 22 mm
Finish	AkzoNobel Interpon powder coat, AAMA 2604; 2605 and dual-color to order
Hardware	CMECH multipoint lock; 70 kg hinges
Screen	Retractable, interior
Drainage	Slots with covers
Opening angle	88°

FINISH



AkzoNobel Interpon powder coat, AAMA 2604, inside and out. Custom colors, AAMA 2605 and dual-color frames (a different color inside and outside) at an additional charge.

PERFORMANCE

0.37 U-FACTOR	0.23 SHGC	0.55 VT
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Manufacturer's whole-window values, not NFRC listed.
Meets IECC Climate Zone 2 ($U \leq 0.40$, $SHGC \leq 0.25$): San Antonio, Austin, Houston, Phoenix, Tucson.

SIZES

	INCHES	MILLIMETERS
Max width	33 3/8"	850
Max height	70 3/4"	1800
Min width	19 3/4"	500
Min height	23 5/8"	600
Max sash weight	154 lb	70 kg
Upgraded hinges	220 lb	100 kg
Max glass	16.4 sq ft	1.53 m ²

Sizes are sash dimensions and reference sizes. Larger sizes on request, confirmed case by case.

GLAZING

Standard	5 mm Low-E double silver + 20 mm argon + 5 mm
Glass	Tempered, every lite, every size

EGRESS

33 1/2" W × 35" H
sash (850 × 886 mm)

Smallest egress-compliant size. Meets IRC R310; 5.7 sq ft clear, 20" minimum width, 24" minimum height. Clear opening deducts 140 mm from width and height.

Every casement in the Horizon collection glazes at 5 mm. The 6 and 8 mm bands apply to large fixed and sliding units.

CONFIGURATIONS



HOW A HORIZON UNIT IS ORDERED

01

Send the schedule

The window and door schedule or a takeoff with opening sizes, the elevations so mulled runs price as assemblies, and the finish inside and out.

02

Approve the drawings

Shop drawings are issued for every opening and signed before any aluminum is cut.

03

Production and delivery

30 to 40 days production, then about 30 days ocean transit to the warehouse.

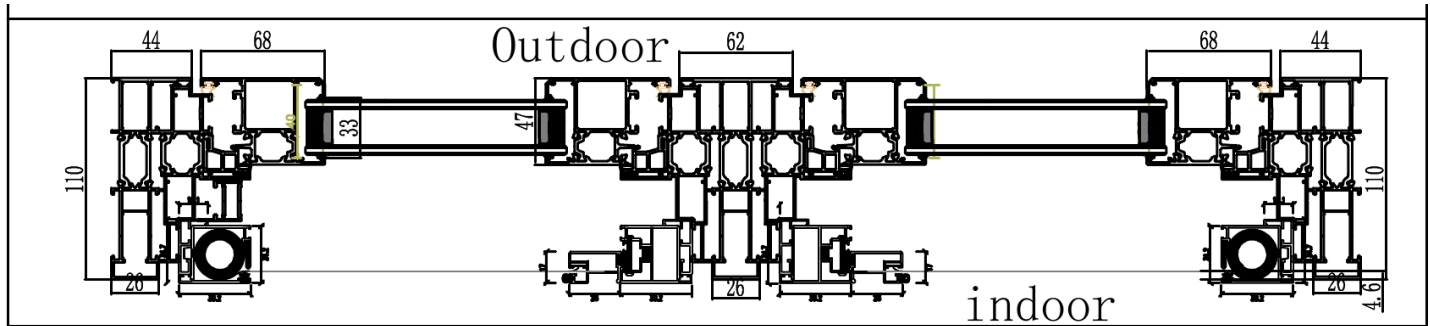


WINDOWS · CASEMENT

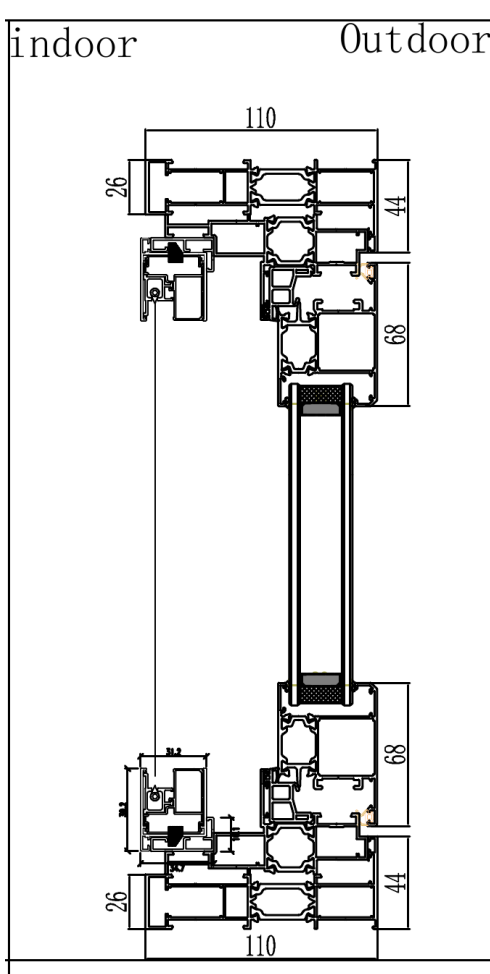
Profile sections

Drawn from the production die on the WJ110 Series platform. All dimensions in millimeters.

PLAN SECTION



HEAD & SILL — VERTICAL



READING THE SECTION

- 110** Frame depth at head, jamb and sill
- 68** Sash face — the visible sightline on an operable leaf
- 44** Frame face — the frame sightline
- 62** Combined meeting stile on a pair — the centre sightline

Remaining figures on the sections are internal profile and gasket dimensions, issued with the approved shop drawings.

GLASS THICKNESS BY PANE AREA

EACH LITE	PANE, SQ FT	PANE, M ²
5 mm	up to 26.8	0.09–2.49
6 mm	26.9–43.0	2.50–3.99
8 mm	43.1–64.5	4.00–5.99

INSTALLATION

Nail fin	Integral, 4 sides; setback 7/8"–1-3/8" per order
Drainage	Slotted weeps with covers at the sill
Opening angle	88°

**HORIZON — LIMITED
WARRANTY**

Frame, sash, welds	10 years
Insulating glass seal	10 years
Finish — AAMA 2604	10 years
Hardware and screens	3 years

ALSO IN HORIZON

Fixed	110 Series
Casement & awning	WJ110 Series
Tilt & turn	90 Series
Sliding window	4075 Series
Sliding door	4075 Series
Multi-slide	TY120 Series

Sections are supplied for detailing only and are not shop drawings. Approved shop drawings are issued for every order before manufacturing.

Thermal values for this non-certified collection are manufacturer's calculated whole-window figures and carry no NFRC listing. NFRC-certified product is specified in the Summit collection.