WINDOWS

Tilt & Turn

80 Series (YKT80A) thermal-break aluminum · tilt and turn · NFRC certified · West and Southwest

NFRC CERTIFIED
West · CPD ZHM-M-2-00008-00001
Southwest · CPD ZHM-M-2-00016-00001

THE SYSTEM

A thermally broken tilt-and-turn window on the 80 Series (YKT80A) platform, certified and listed with the NFRC. One handle tilts the sash inward for ventilation or turns it inward to open fully. The black stainless mesh screen opens inward as well.

CONSTRUCTION

Frame depth	3 1/8″ (80 mm)
Opening	Inward — tilt and turn
Profile wall	2.0 mm, 6063-T5
Thermal break	Polyamide
Finish	**AkzoNobel Interpon** powder coat, **AAMA 2604**; 2605 and dual-color to order
Hardware	**Roto** tilt-and-turn; **Coastal** 316 stainless handle
Screen	Black stainless steel mesh; opens inward, like the sash. Not retractable

NFRC CERTIFIED PERFORMANCE

LEVEL	U-FACTOR	SHGC	VT
West Triple glazed	**0.23**	**0.22**	**0.39**
Southwest Double glazed	**0.29**	**0.19**	**0.38**

Both levels NFRC certified. West CPD ZHM-M-2-00008-00001, for California Title 24 (U 0.27, SHGC 0.23). **Southwest** CPD ZHM-M-2-00016-00001, meets 2021 IECC zone 2 (U 0.40, SHGC 0.25) for Texas and Arizona.

SIZES

	INCHES	MILLIMETERS
Max width	35 3/8″	900
Max height	70 3/4″	1800
Min size	23 5/8″ × 23 5/8″	600 × 600
Max sash weight	154 lb	70 kg
Max glass	11.6 sq ft	1.08 m²

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

OPERATION

TURN — INWARD

TILT — INWARD

GLAZING

West	Triple glazed: 6 mm Low-E double silver + 12 mm argon + 6 mm clear + 12 mm argon + 6 mm Low-E double silver
Southwest	Double glazed: 6 mm PTE75A Low-E + argon + 6 mm PTE75A Low-E
Spacer	Warm edge
Glass	Tempered, every lite

West units are triple glazed with two Low-E coatings; Southwest units are double glazed. Every lite is tempered, as certified.

FINISH

Matte Black · White · Dark Bronze

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.

HOW A SUMMIT 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.

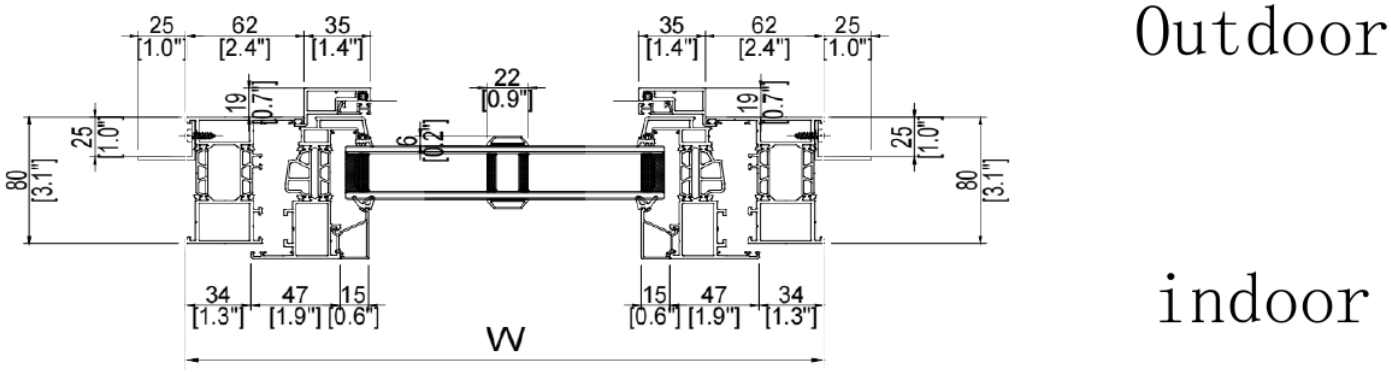
03
Production and delivery
40 days production, then about 30 days ocean transit to the warehouse.

WINDOWS · TILT & TURN

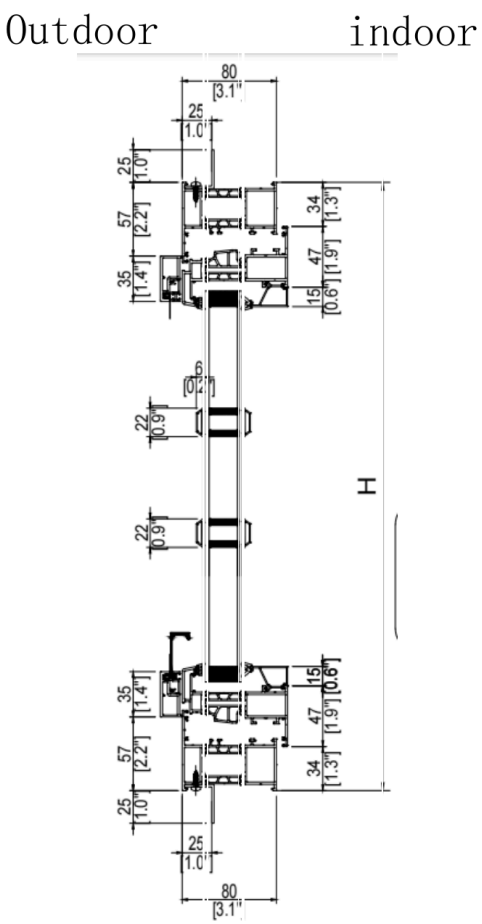
Profile sections

Drawn from the production die on the Summit 80 Series platform, shared with the Summit casement. All dimensions in millimeters.

PLAN SECTION



HEAD & SILL — VERTICAL



READING THE SECTION

80 Frame depth at head, jamb and sill

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

GLAZING MAKE-UP — WEST

Outer lite	6 mm Low-E double silver
Cavity	12 mm argon, warm-edge spacer
Center lite	6 mm clear
Cavity	12 mm argon, warm-edge spacer
Inner lite	6 mm Low-E double silver
Southwest	Double glazed, 6 mm PTE75A Low-E / argon / 6 mm
All lites	Tempered

INSTALLATION

Nail fin	Integral, 4 sides; setback per order
Drainage	Weep slots at the sill

SUMMIT — LIMITED WARRANTY

Frame, sash, welds	10 years
Insulating glass seal	10 years
Finish — AAMA 2604	15 years
Finish — AAMA 2605, to order	20 years
Hardware and screens	10 years

ALSO IN SUMMIT

Fixed	80 Series (K80)
Casement	80 Series (K80)
Swing door	80 Series
Sliding door	128 Series

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

Summit thermal values are NFRC certified. Each product and level carries its own CPD number, which a dealer or plan checker can look up in the NFRC Certified Products Directory.