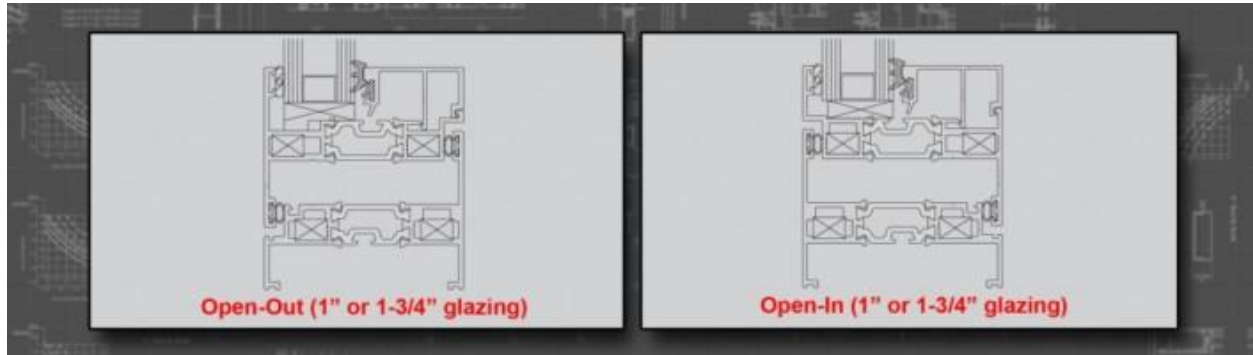




## Windspec 535 Operables Technical Data Sheet



### Product Description

High thermal performance operable window inserts for various window and curtainwall.

### Key Features

- 2-13/16" deep profile
- Compatible with 1" double glazed and 1-3/4" triple glazed sealed units
- Available in 2 color finishes
- High performance glass reinforced polyamide thermal break allows for high thermal performance without affecting the structural integrity of the units.
- All operable are manufactured in Windspec facilities for quality control reasons
- Available in open-in and open-out configurations
- Available rain screen drainage
- Tested to NAFS and CSA standards
- Thermal simulations conducted as per NFRC

### Hardware/accessories:

- Standard hardware includes:
  - o Truth pivot show operator (series 22)
  - o 2 nickel claw locks
  - o 2 Anderberg friction hinges
    - Extruded butt hinges for casements only
- Fixed fly-screen
  - o Extruded aluminum frame
  - o Aluminum mesh
  - o Stainless steel and fiberglass mesh available
  - o Mechanic fasteners
- Optional hardware includes:
  - o Custodial locks
  - o Multipoint locks (for tall casements)

- Motorized operating hardware
- Teleflex operating hardware
- Spring catch for high area pole operation

**Material:**

- All aluminum to be 6063-T6 tempered
- Thermal Break: Polyamide 6.6, 25% glass fiber reinforced
- Interior/exterior glazing gaskets: extruded EPDM – 60 durometer
- Stainless steel fasteners

**Finishes:**

- 2 color options available (interior/exterior)
- Standard anodic finishes available in class I (0.0004) and class II (0.0007)
  - Clear anodize (.0004), clear anodize (.0007), #40 bronze (.0007), #26 light bronze (.0007), black (.0007)
  - Acid etch finishing process
  - Painted finished available: Duracron (one-coat), Duranar (2 coat), Duranar XL (3 coat)
  - Powder coating available upon request
  - Wood grain finishes available (Decora USA)

**Key performance Figures: The following applies to all opening configurations**

Property	Standard allowance	Result	Designation
Air infiltration @ 300Pa	<0.5 L/s m2	0.02 L/s m2	AP-AW (A3)
Air exfiltration @ 300Pa	<0.5 L/s m2	0.03 L/s m2	AP-AW (A3)
Static Water penetration	No leakage @ 730Pa	No leakage @ 730Pa	AP-AW100 (B7)
Structural Design	No permanent damage @ various chosen pressure points	No permanent damage @ 4320Pa	AP-AW60
Forced Entry	Remove all exterior fasteners using common tools within 5-minute period	No removable exterior fixtures	Grade 20

**Applicable standards:**

- NAFS- AAMA/WDMA/CSA 101/I.S.2/A440-08
- NAFS-AAMA/WDMA/CSA 101/I.S.2/A440-09 Canadian Supplement Section 5
- Air Leakage: ASTM E283
- Water penetration: ASTM E331
- Structural performance: ASTM E330