

Aspekt+ Min/Max Dimensions



Dimension and Area Limitations

All Alpen fiberglass windows are custom built-to-order, giving Alpen customers design freedom to choose sizes tailored to project-specific sizes and styles. Use this chart to identify the minimum and maximum sizes available for each window type, any combination of width and height dimensions falling within this min/max range may be ordered for manufacturing. Please consult Aspekt+ Egress and Net Clear Opening calculators for code compliances.

WINDOW TYPE	MINIMUM	MINIMUM	MAXIMUM	MAXIMUM	MAXIMUM
	WIDTH	HEIGHT	WIDTH	HEIGHT	AREA
Low Profile Picture Window	14"	14"	96"	96"	Triple Pane: 48 ft ² Quad Pane: 38 ft ²
Sash Set Fixed (Fixed Casement)	17"	23"	60"	80"	25 ft ²
Casement Window	17"	23"	42"	60" @ width < 26" 78"	23 ft ² 100/150/200 lbs
Awning Window	17"	24"	60" @ height < 36" 42" @ height > 48"	80"	25 ft ² 50/100 lbs
Emergency Egress Rescue Openings (EERO): Casement Windows					
<ol style="list-style-type: none"> 1. Minimum width for 20" net clear opening: 32" 2. Minimum height for 24" net clear opening: 29-1/4" 3. At narrowest width (32"), minimum height to meet 5.7 sq ft net clear opening: 46" 					

General Notes

1. Maximum sizes for operable windows assume standard/typical 1/8" thick panes; use of thicker glass results in smaller maximum sizes.
2. Typical sash weight for casement and awning windows with 1/8" thick glass panes is 4 pounds per square foot of window area.
3. Corner-drives are not available on Casement or Awning windows with either dimension < 24".
4. On Casement and Awning windows, 2:3 aspect ratio (Width: Height) is recommended for best operation.
5. Casement window hardware systems:
 - a. Standard: Sash weight up to 80 lbs.
 - b. Roto HD: Sash weight 100-150 lbs (~20-24 ft² window area). Vent opening limited to 50°.
 - c. Roto Supreme: Sash weight 150-200 lbs. Vent opening limited to 50°.
6. Awning windows: Hinge stop or vent limiter is required when sash weight exceeds 50 lbs.

Glass Limitations - All Types / Series:

1. Aspect ratio of any single glass unit cannot exceed 1 : 6 (Short : Long).
2. One dimension must always be 72" or less in any single glass unit.

Factory-Mulled Assemblies:

1. Maximum size:
 - a. Overall- 80 square feet
 - b. 350lbs
 - c. Length- 16 feet
 - d. Height- tractor-trailer delivery: 105"
 - e. Height- box truck delivery: 92"
2. Maximum number of mullions *in sequence*: 3 (4-wide)
3. Mullion type (tight mull or structural mull) must be selected based on assembly size and design load; contact your Alpen representative for guidance.