

Size Limit Guidelines

Purpose: These guidelines are intended to minimize breakage during handling and production, safety risks associated with large lites of thin glass, soft center / bi-stable tempered glass, and aesthetic issues related to large lites bowing under normal loading conditions.

Glass Thickness (mm)	Annealed Max Size (SQ FT)	Weight @ Max Annealed Size Dual / Triple (lb)	Annealed Max Length (in)	HS Max size (SQ FT)	Tempered Max Size (SQ FT)	Weight @ Max Tempered Size Dual / Triple (lb)	HS and Temp Max Length (in)	Max Short Side Dimension Temp (in)
2.2	10	24 / 36	70	15	NA	36 / 54	70	36
3.0	15	47 / 72	80	20	20	62 / 96	80	36
3.9	24	98 / 146	90	30	30	123 / 183	90	48
4.7	33	161 / 241	100	50	50	245 / 365	120	60
5.7	50	295 / 445	120	60	60	354 / 534	144	72
8.0	72	598 / 907	144	96	96	797 / 1210	144	96

Notes:

1. Not all: glass thicknesses, unit sizes, and coating options are available from all Cardinal IG locations
2. Glass sizes do not take into consideration windload requirements, see TSB IG03 for more information
3. Use of 8mm glass may be limited to use as the clear / interior lite of an IG unit due to the availability of LoE™ coated 8mm glass
4. Not all production facilities have the capability of producing maximum sizes listed above
5. Some sizes may be further limited due to weight limitations of particular plants and / or production equipment
6. Weight assumes 0.1 lb/ft² for spacer, sealant, and desiccant for a 13.0 airspace and equal glass lite thicknesses
7. Production of all unit sizes may not be practical or possible in all airspaces
8. Further restrictions on size may be needed for some applications

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