



OITC-STC RATINGS

Single Hung | Casement | Project Out | Slider | Fixed | Doors



**Quaker windows and doors tested
according to ASTM E1425-14
(Standard Practice for Determining the Acoustical
Performance of Exterior Windows and Doors)
which determines sound attenuation qualities.**

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February, 2025 V6



Quaker Products

Selection Guide for OITC/STC Tested Models

Window Series	Operation	Window Test Size	I.G. Thickness	Ratings OITC STC	
C600	Project-Out	36" x 60"	1 3⁄8"	27	34
	Casement	36" x 72"	1"	23-31	28-35
		36" x 48"	1 3⁄8"	29-33	35-38
		36" x 60"	1 3⁄8"	33-34	40-41
	Fixed	47" x 59"	1 7⁄16"	30	40
		60" x 60"	1"	25-31	30-36
		60" x 60"	1 3⁄8"	27-29	34-37
E300	Double Hung	48" x 72"	1"	31	36
47" x 59"		1"	23-31	28-36	
E500	Horiz. Slider	72" x 48"	1"	31	37
E600	Casement	36" x 72"	1" (+storm)	28-32	40-43
		36" x 72"	1"	25-28	31-34
		36" x 72"	1 1⁄8" (+storm)	29	43
		36" x 72"	1 1⁄4" (+storm)	28	44
		36" x 72"	1 1⁄4"	28	36
		36" x 72"	1 3⁄8" (+storm)	26-28	42-44
		36" x 72"	1 3⁄8"	27-30	36-40
		36" x 72"	1 7⁄16" (+storm)	29-35	41-44
	Inswing Casement	36" x 72"	1 7⁄16"	34	42
		36" x 60"	1 3⁄8"	35	43
		36" x 48"	1 3⁄8"	32	42
H450	Casement	36" x 48"	1"	24-29	31-37
	Fixed	47" x 59"	1 3⁄8"	26-28	32-35
H650	Single Hung	47" x 59"	1"	24-31	31-35
K200	Horiz. Slider	60" x 59"	Arctic Window	39	47
		60" x 59"	Arctic Wdw. +storm	35-38	50-51
M300	Sliding Door	72" x 96"	1 3⁄8"	26	30
M600	Project-Out/Fixed	33" x 69"	1"	32-34	41-43
	Casement	24" x 59"	1"	29-34	36-43
		36" x 72"	1"	23-31	29-38
		36" x 48"	1 3⁄8"	29-34	36-43
	Fixed	24" x 78"	1"	29-31	36-39
		24" x 59"	1"	29-33	38-41
		30" x 79"	1 3⁄8"	41	30
		36" x 72"	1"	27	34
		60" x 60"	1"	26-29	32-35
		Terrace Door	39" x 83"	1"	30
	39" x 86"		1"	31	39
	39" x 95"		1"	30-33	34-38
Manchester	Horiz. Slider		72" x 56"	3⁄4"	24-28
	Single Hung	44" x 62"	3⁄4"	24-29	29-35
		30" x 62"	3⁄4"	27	34-35
	Sliding Door	77 1⁄2" x 95 1⁄2"	1"	24-28	31-35
V300	Fixed/Project-Out	36" x 92"	1"	29	35
	Casement	36" x 48"	1"	29-33	34-38
		36" x 48"	1 3⁄8"	28-34	35-42
		36" x 60"	1 1⁄2"	23-28	29-36
	Single Hung	47" x 59"	1"	26-29	32-35
Horiz. Slider	47" x 59"	1"	26-29	32-34	
W600	Casement	36" x 72"	1"	22-33	27-37
	Fixed	60" x 60"	1"	25-31	30-36

What's the difference between OITC and STC?

OITC

(Outside Inside Transmission Class)

A number rating calculated in accordance with ASTM E1332, using values of outdoor-indoor transmission loss. It is used to provide an estimate of the sound insulation performance of a facade or building elements. The frequency range used is typical of outdoor traffic noises.

STC

(Sound Transmission Class)

A number rating calculated in accordance with ASTM E 413 using sound transmission loss values. It provides an estimate of the sound insulation performance of an interior partition in common sound insulation situations. The frequency range used is typical of indoor office noises.

Comparison of OITC and STC Classes

OITC	STC
Used for exterior noises specifically	Sound rating for all common noises
Best sound rating system to use for soundproof windows, doors, walls, etc.	Best sound rating system to use for common sounds like television, music, speech, etc.

Test results shown may vary slightly due to periodic re-testing. Please call for the most current data and updated list of tested products. Complete test information available upon request.



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Made in America: All Quaker products are designed and manufactured in the United States at our state-of-the-art facilities in Freeburg, MO and Eldon, MO.