



Models 451/452

Option Code	Positive Design PSF	Negative Design PSF	Maximum Size		Approvals ²		Glazing available ⁵	Wind Speed ASCE 7-16 ASCE 7-22 (MPH)	Wind Speed ASCE 7-16 ASCE 7-22 (MPH)
			Max. Width	Max. Height	FBC	TDI		Exposure B ³	Exposure C ⁴
0449	20.00	20.00	10'-2"	24'-1"	N/A	N/A	.125 Min. DSB	140	115
0450	31.00	31.00	10'-2"	24'-1"	N/A	N/A	.125 Min. DSB	175	140
0451	20.00	20.00	14'-2"	24'-1"	N/A	N/A	.125 Min. DSB	140	115
0452	31.00	31.00	14'-2"	24'-1"	N/A	N/A	.125 Min. DSB	180	145
0453	20.00	20.00	16'-2"	24'-1"	N/A	N/A	.125 Min. DSB	145	115
0454	30.00	30.00	16'-2"	24'-1"	N/A	N/A	.125 Min. DSB	175	145

1. All doors tested for uniform static air pressure per ANSI/DASMA 108 to test pressure of 1.5 x design pressure

2. FBC - Florida Building Commission, TDI - Texas Department of Insurance

3. Wind Speed is 3-Second Peak gusts, using exposure B, for single or double story structures, calculated according to ASCE 7-22.

Assumptions: Mean roof height of 25 ft, flat ground, sea level, enclosed building and roof angle >10°.

The Wind Speed Calculation is based on the max width of the door and a max height of 8-7 ft depending on the section heights.

4. If a narrower or taller door is used instead of the max shown in the chart, the wind speed rating may be different. Wind Speed is 3-Second Peak gusts, using exposure C, for single or double story structures, calculated according to ASCE 7-22.

Assumptions: Mean roof height of 25 ft, flat ground, sea level, enclosed building and roof angle >10°.

The Wind Speed Calculation is based on the max width of the door and a max height of 8-7 ft depending on the section heights.

If a narrower or taller door is used instead of the max shown in the chart, the wind speed rating may be different.

5. Glazing is **not** impact resistant and does not meet the requirements for Wind-Borne Debris Regions.

6. Low Head Room track is available.

7. Wind speeds listed in this guide are provided for reference purposes only. In **ALL** cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.