

ASTA DOOR CORPORATION
WINDLOAD REFERENCE CHART BY MODEL
(PSF=Pounds Per Square Foot)

OPENING WIDTH	Model <u>281W</u> Mini Storage Door (No Windlocks)	Model <u>283</u> Mini Storage Door (Windlocks)	Model <u>283-14</u> Mini Storage Door (Windlocks)
	OPENING HEIGHT		
Up To	10' Max	10' Max	10' Max
3'	+/-43.4	+124 /-132	+/-146
4'	+/-32.8	+124 /-132	+/-146
5'	+/-26.3	+124 /-132	+/-146
6'	+/-22.0	+70.5 /-76.6	+/-87.1
7'		+44.3 /-49.1	+/-57.5
8'		+30.0 /-34.0	+/-40.9
9'		+21.5 /-24.9	+/-30.7
10'		+16.2 /-19.0	+/-24.0

Wind speed	<u>Design Pressure</u> Exposure B	<u>Design Pressure</u> Exposure C	<u>Design Pressure</u> Exposure D
90 mph	+11.4 / -12.7	+13.8 / -15.5	+16.7 / -18.8
100 mph	+14.0 / -15.7	+17.0 / -19.1	+20.6 / -23.2
110 mph	+17.0 / -19.0	+20.6 / -23.1	+25.0 / -28.0
120 mph	+20.2 / -22.7	+24.5 / -27.5	+29.7 / -33.3
130 mph	+23.7 / -26.6	+28.8 / -32.3	+34.9 / -39.1
140 mph	+27.5 / -30.8	+33.4 / -37.5	+40.5 / -45.4
150 mph	+31.6 / -35.4	+38.3 / -43.0	+46.4 / -52.1

*Windspeed / Design Pressure Conversions Based on;

- 10'0" x 10'0" door size
- Door Located 2' From Building End Zone
- 15' Mean Roof Height & >10 Degree Roof Slope
- Smaller Doors Will Have Higher Design PSF Requirements
- Larger Doors Will Have Lower Design PSF Requirements
- Assume Exposure B Unless Otherwise Specified