

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

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

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