# Ultra Heavy Duty 14.4-80

**Extended Height (ft.)**

<table>
<thead>
<tr>
<th>Extended Height</th>
<th>Unguyed SWS</th>
<th>Guy Levels</th>
<th>Guy Radius</th>
<th>Mast Guy Points</th>
<th>Guyline Diameter</th>
<th>Guyed SWS</th>
<th>Payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Extension</td>
<td>50 (mph)</td>
<td>2</td>
<td>80 (ft.)</td>
<td>Platform, 9(\frac{3}{16})&quot; collar</td>
<td>3/16 (inches)</td>
<td>75 (mph)</td>
<td>(1) MS-12.6DB180-A</td>
</tr>
<tr>
<td>7.5&quot; Tube Retracted</td>
<td>62 (mph)</td>
<td>2</td>
<td>69 (ft.)</td>
<td>Platform, 9(\frac{3}{16})&quot; collar</td>
<td>3/16 (inches)</td>
<td>92 (mph)</td>
<td>(36) ½&quot; RF CABLES</td>
</tr>
<tr>
<td>7.5&quot; &amp; 8.25&quot; Tubes Retracted</td>
<td>75 (mph)</td>
<td>1</td>
<td>57 (ft.)</td>
<td>Platform, 9(\frac{3}{16})&quot; collar</td>
<td>3/16 (inches)</td>
<td>82 (mph)</td>
<td>Total Sail Area 29.4 FT²</td>
</tr>
<tr>
<td>7.5&quot;, 8.25&quot; &amp; 9.12&quot; Tubes Retracted</td>
<td>92 (mph)</td>
<td>1</td>
<td>46 (ft.)</td>
<td>Platform, 9(\frac{3}{16})&quot; collar</td>
<td>3/16 (inches)</td>
<td>94 (mph)</td>
<td>Total Payload Weight 914 lbs.</td>
</tr>
</tbody>
</table>

**Survival Wind Speed (mph)**

- **3/16 Guyed, Platform & 9 1/8” Collar**
  - Full Extension: 50 (mph)
  - 7.5" Tube Retracted: 62 (mph)
  - 7.5" & 8.25" Tubes Retracted: 75 (mph)
  - 7.5", 8.25" & 9.12" Tubes Retracted: 92 (mph)

- **1/4 Guyed, Platform**
  - Full Extension: 80 (mph)
  - 7.5" Tube Retracted: 87 (mph)
  - 7.5" & 8.25" Tubes Retracted: 93 (mph)
  - 7.5", 8.25" & 9.12" Tubes Retracted: 103 (mph)

- **3/16 Guyed, Platform**
  - Full Extension: 88 (mph)
  - 7.5" Tube Retracted: 92 (mph)
  - 7.5" & 8.25" Tubes Retracted: 99 (mph)
  - 7.5", 8.25" & 9.12" Tubes Retracted: 111 (mph)

**Additional Specifications**
- **Payload**
  - (1) MS-12.6DB180-A
  - (36) ½" RF CABLES
- **Total Sail Area**: 29.4 FT²
- **Total Payload Weight**: 914 lbs.
- **Center of projected area**: 36” above top of mast
- **Coefficient of drag**: 1.0