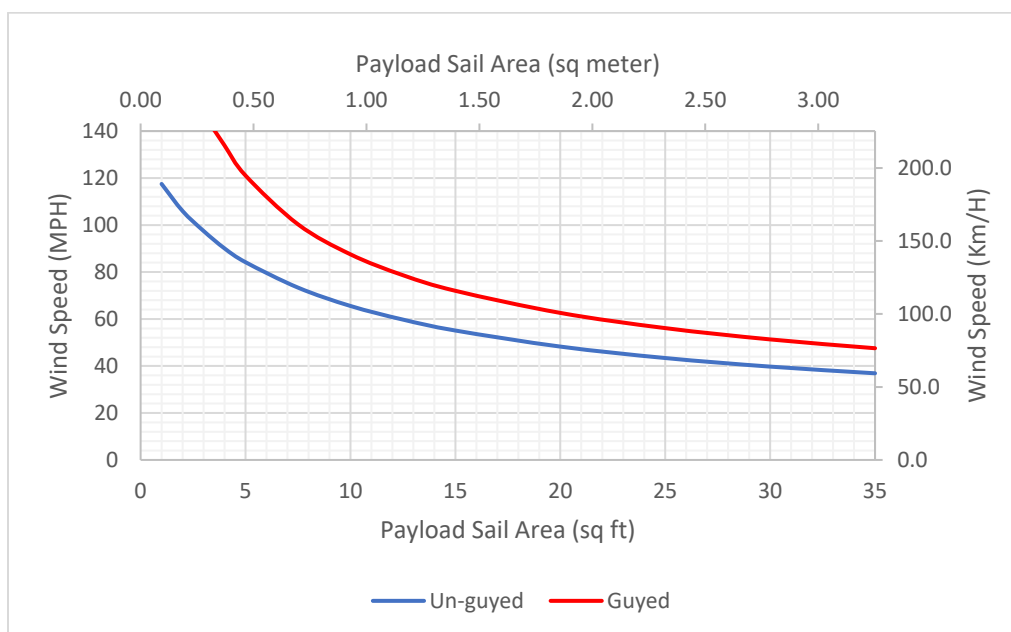


## 7-42 Heavy Duty Locking Pneumatic Mast Survival Wind Speed Performance Curve



<p><u>Mast</u></p> <ul style="list-style-type: none"> <li>• 7-42 HDL Pneumatic Mast <ul style="list-style-type: none"> <li>• Nest Height = 7 ft 8 in [2.33 m]</li> <li>• Fully Extended Height = 41 ft 3 in [12.58 m]</li> <li>• No of Tubes = 9</li> <li>• Tube Set = 3.00" – 9.00"</li> <li>• Max Payload Capacity = 200 lbs. [90.7 kg]</li> </ul> </li> </ul>	<p><u>Guying Kit</u></p> <ul style="list-style-type: none"> <li>• WB P/N: 5221601</li> <li>• 2-level, 4-way guying to 3.75" and 6.00" collars</li> <li>• 30ft [9.14 m] guying radius</li> <li>• 3/16" steel guy lines</li> <li>• (4) 6" Screw Anchors</li> </ul>
<p><u>Survival Wind Speed Assumptions</u></p> <ul style="list-style-type: none"> <li>• Payload Weight = 200 lbs. [90.7 kg]</li> <li>• Payload Coefficient of Drag = 1.3</li> <li>• Payload centroid is on mast axis and 12" [304.8 mm] above top of mast</li> <li>• Mast securely constrained at bottom of mast as well as approximately 5" [127 mm] below collar of base tube by WB supplied hardware or equivalent</li> <li>• 0 degree mast base deployment angle</li> <li>• All wind speeds measured at ground level</li> <li>• Cabling is secured together and fixed to the mast</li> <li>• Survival wind speed will be reduced for increasing payload centroid distance above top of mast</li> <li>• This analysis does not include any evaluation of the stability of a trailer, the trailer, outriggers, and anchors are assumed fixed.</li> </ul>	

The mast performance values in this report represent a theoretical prediction of mast performance based on available payload details. Actual mast performance may vary.