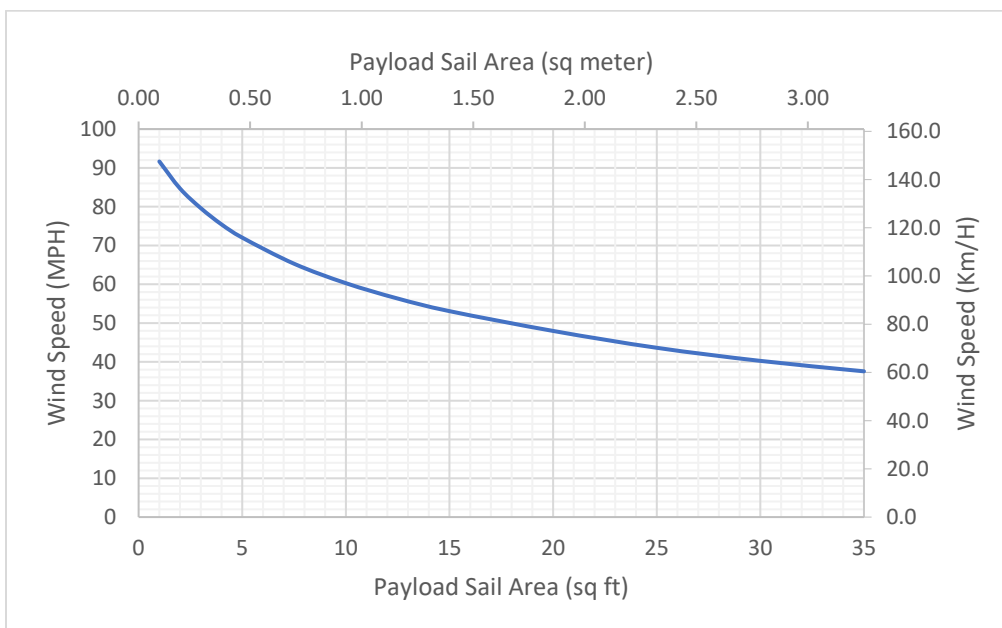


8.5-48 Heavy Duty Non-Locking Pneumatic Mast Survival Wind Speed Un-Guyed Performance Curve



<p><u>Mast</u></p> <ul style="list-style-type: none"> • 8.5-48 HDNL Pneumatic Mast <ul style="list-style-type: none"> • Nest Height = 8 ft 7 in [2.61 m] • Fully Extended Height = 48 ft 8 in [14.83 m] • No of Tubes = 8 • Tube Set = 3.75" – 9.00" • Max Payload Capacity = 300 lbs. [136.1 kg] 	<p><u>No Guying Available</u></p>
<p><u>Survival Wind Speed Assumptions</u></p> <ul style="list-style-type: none"> • Payload Weight = 300 lbs. [136.1 kg] • Payload Coefficient of Drag = 1.3 • Payload centroid is on mast axis and 12" [304.8 mm] above top of mast • 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 • 0 degree mast base deployment angle • All wind speeds measured at ground level • Cabling is secured together and fixed to the mast • Survival wind speed will be reduced for increasing payload centroid distance above top of mast • This analysis does not include any evaluation of the stability of a trailer, the trailer, outriggers, and anchors are assumed fixed. 	

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