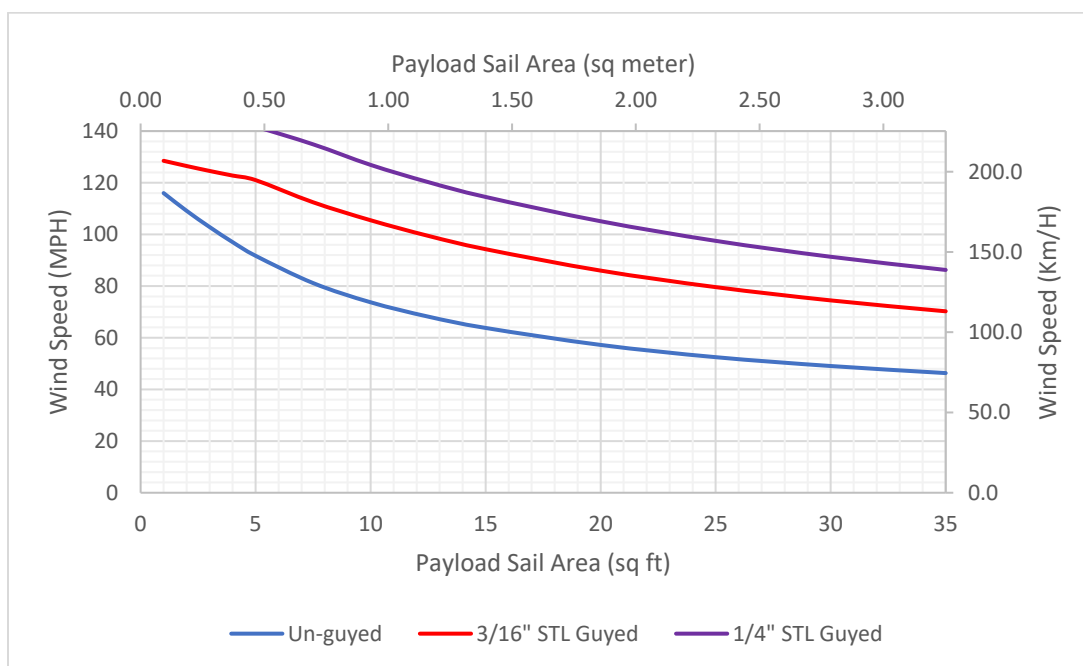


14.3-80 Ultra Heavy Duty Locking Pneumatic Mast Survival Wind Speed Performance Curve



<u>Mast</u>	<u>3/16" STL Guying Kit</u>	<u>1/4" STL Guying Kit</u>
<ul style="list-style-type: none"> • 14.3-80 UHDL Pneumatic Mast • Nest Height = 14 ft 4 in [4.37 m] • Fully Extended Height = 80 ft 1 in [24.40 m] • No of Tubes = 7 • Tube Set = 7.50" – 13.50" • Max Payload Capacity = 1,200 lbs. [544.3 kg] 	<ul style="list-style-type: none"> • WB P/N: 5352801 • 2-level, 4-way guying to platform and 8.25" collar • 70ft [21.34 m] Guying Radius • 3/16" steel guy lines • (4) 6" Screw Anchors 	<ul style="list-style-type: none"> • WB P/N: 5365901 • 2-level, 4-way guying to platform and 8.25" collar • 70ft [21.34 m] Guying Radius • 1/4" steel guy lines • (4) 6" Screw Anchors
<u>Survival Wind Speed Assumptions</u> <ul style="list-style-type: none"> • Payload Weight = 1,200 lbs. [544.3 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 33ft above 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.