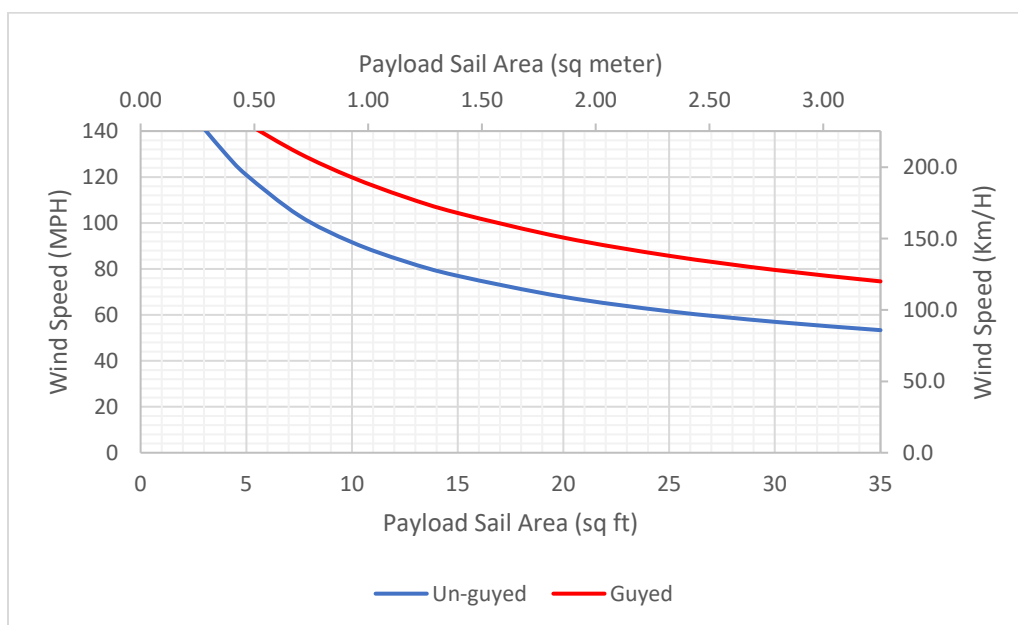


## 10-44.5 Super Heavy Duty Locking Pneumatic Mast Survival Wind Speed Performance Curve



### Mast

- 10-44.5 SHDL Pneumatic Mast
- Nest Height = 10 ft [3.05 m]
- Fully Extended Height = 44 ft 7 in [13.60 m]
- No of Tubes = 6
- Tube Set = 6.75" – 11.25"
- Max Payload Capacity = 980 lbs. [444.5 kg]

### Guying Kit

- WB P/N: 4979801
- 1-level, 4-way guying to platform
- 50ft [15.24 m] Guying Radius
- 3/16" steel guy lines
- (4) 6" Screw Anchors

### Survival Wind Speed Assumptions

- Payload Weight = 980 lbs. [444.5 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.