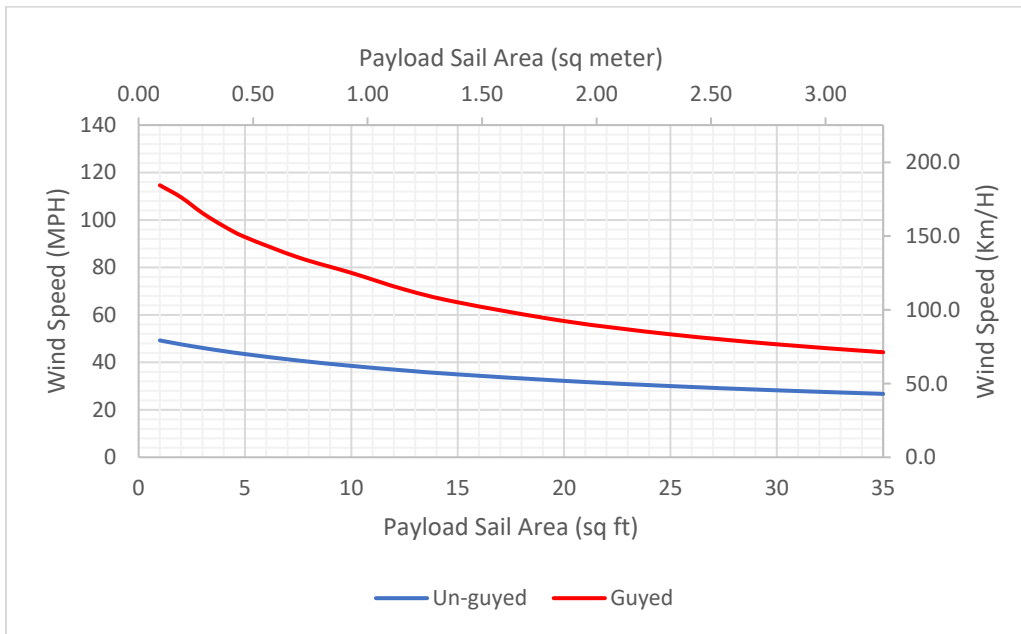


## 14.5-80 Heavy Duty Locking Pneumatic Mast Survival Wind Speed Performance Curve



### Mast

- 14.5-80 HDL Pneumatic Mast
  - Nest Height = 14 ft 3 in [4.33 m]
  - Fully Extended Height = 79 ft 10 in [24.33 m]
  - No of Tubes = 7
  - Tube Set = 4.50" – 9.00"
  - Max Payload Capacity = 400 lbs. [181.4 kg]

### Guying Kit

- WB P/N: 913366
- 4-level, 4-way guying to 5.25", 6.75", 8.25", and 9.00" collars
- 20ft [6.1m] and 60ft [18.3m] Guying Radius
- 3/16" steel guy lines
- (4) 6" Screw Anchors

### Survival Wind Speed Assumptions

- Payload Weight = 400 lbs. [181.4 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.