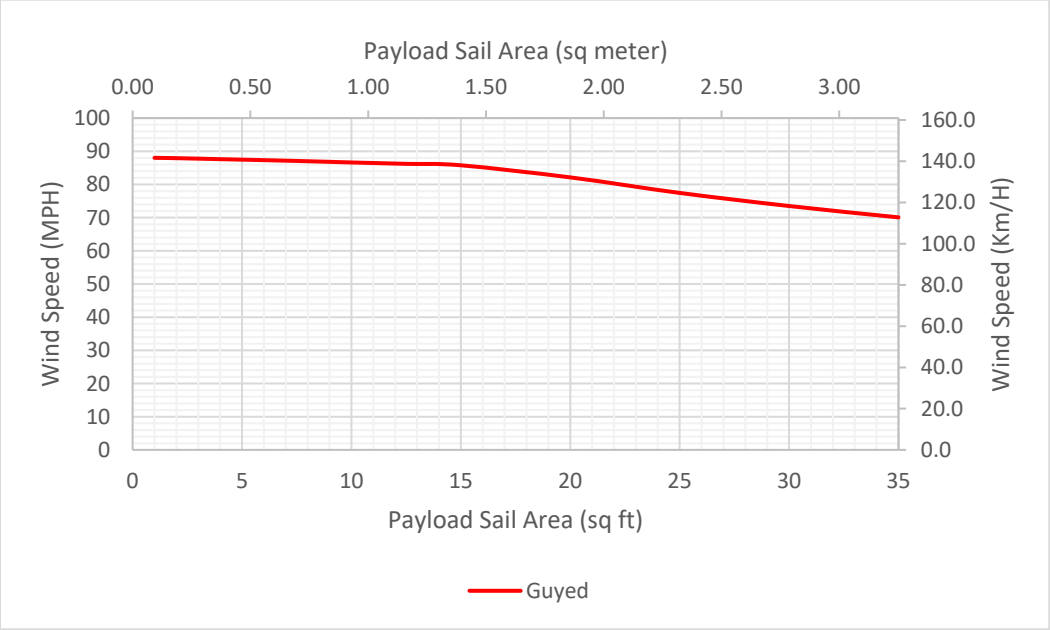
# 23.5-164 Super Heavy Duty Locking Pneumatic Mast

## Survival Wind Speed Performance Curve




| Mast | Guying Kit |
|---|---|
| • 23.5-164 SHDL Pneumatic Mast<br>  • Nest Height = 23 ft 6 in [7.16 m]<br>  • Fully Extended Height = 164 ft [50 m]<br>  • No of Tubes = 10<br>  • Tube Set = 3.75” – 11.25”<br>  • Max Payload Capacity = 300 lbs. [136.1 kg] | • WB P/N: 914330<br>• 6-level, 4-way guying<br>  • 11.25”, 9.14”, 7.50”, 5.25”, and 4.50” Collars and Platform<br>• 14 m, 34 m, and 50 m Guying Radius<br>• 1/4” steel guy lines<br>• (12) Expanding Anchors |

**Survival Wind Speed Assumptions**

- 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
- 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.