

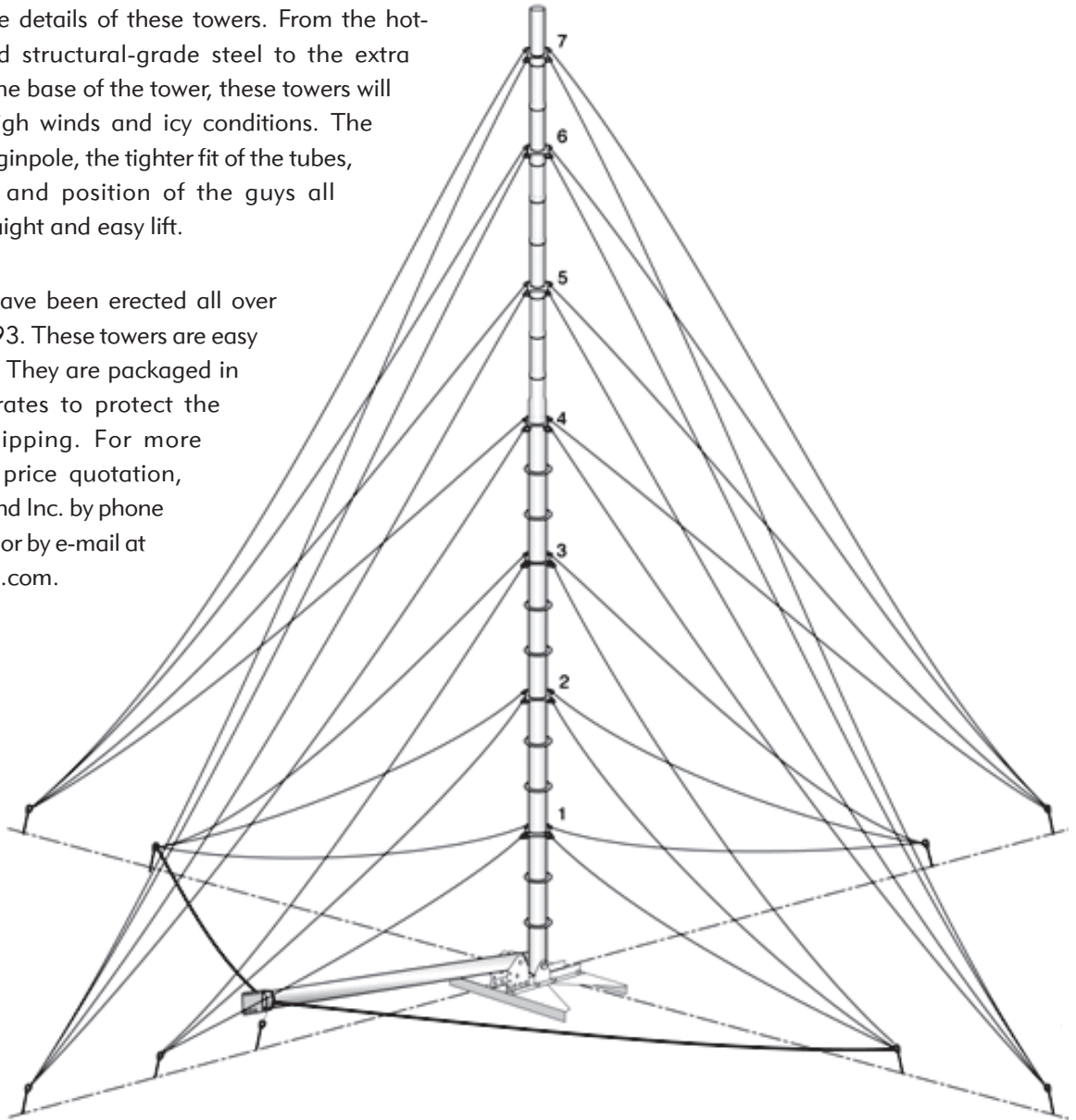
60 m HiMast™ Tilt-Up Tower

60-Meter HiMast™ Towers

Second Wind Inc. distributes the HiMast Tilt-Up Tower in North America and internationally. The NextGen (formerly Western Windpower) 60-meter HiMasts are the most robust tilt-up towers on the market. These towers are designed to withstand the harshest of conditions. They're easy to erect and dismantle and are lightweight to allow for easy transportation.

Years of experience manufacturing and erecting tilt-up towers can be seen in the details of these towers. From the hot-dipped galvanized structural-grade steel to the extra reinforcement at the base of the tower, these towers will stand strong in high winds and icy conditions. The addition of a mini-ginpole, the tighter fit of the tubes, and the number and position of the guys all contribute to a straight and easy lift.

NextGen towers have been erected all over the world since 1993. These towers are easy to raise and lower. They are packaged in sturdy wooden crates to protect the towers during shipping. For more information or a price quotation, contact Second Wind Inc. by phone at (617) 776-8520 or by e-mail at sales@secondwind.com.



Specifications

Mast

| | |
|------------------------------|--|
| Mast Height: | 198 ft. / 60.2 m |
| Guy Wire: | 7 guy sets, each with 4 guys. 7/19 1/4" RHRL galvanised wire. |
| Grips: | DIN 1142, tightening torque of 18 inch-lbs. or 1.5 foot-lbs. / 2Nm |
| Tubing: | Tubing to EN 10219-2 Standard |
| Galvanizing Standard: | Hot-dip BS EN1461:1999 |
| Tube Length/Weight: | 9" tube - 10 ft / 3 m, 88 lbs. / 40 kg 6" tube - 10 ft / 3 m, 62 lbs. / 28 kg |
| 6" Tube OD: | Approximately 6" / 155 mm |
| 9" Tube OD: | Approximately 9" / 255 mm |

Ginpole

The mast is erected using a pivotal ginpole, which is itself erected by a fixed mini-ginpole. The main ginpole is fitted with restraining wires which enable the winching point to be sited at a convenient location.

| | |
|------------------------|---------------|
| Ginpole Length: | 49 ft. / 15 m |
| Mini Ginpole: | 10 ft. / 3 m |

Wind Loading Capabilities

Designed to meet the structural integrity standard BS5950:1990 for IEC Wind Class One site conditions.

| | |
|-------------------|--------------------|
| Mast Base: | 120 mph / 54 m/sec |
| Mast Top: | 156 mph / 70 m/sec |

Icing Conditions

The Class One HiMast meets BS5950 standards in the following wind and ice conditions; 1 3/8" / 6.65 m ice cover evenly over the mast and guys.

| | |
|---|-------------------|
| Mast Base: | 74 mph / 33 m/sec |
| Mast Top: | 96 mph / 43 m/sec |
| During no wind these masts can withstand up to 1/4" / 37 mm of all-over ice. | |

Anchor Loads and Positioning

It may be difficult to accurately position the anchors if the site has not been visited and assessed before installation. We supply sufficient guy wire to enable the lower guy sets to be anchored at the specified radius or any intermediate to 147 ft / 45 m if the site conditions require it. A reasonably level site is assumed when determining guy wire length.

| | |
|-----------------------------|---|
| Inner Anchor Load: | Sets 1, 2 & 3: 4,418.7 lbs. / 1900 kg |
| Inner Anchor Radius: | 115 ft. / 35 m |
| Outer Anchor Load: | Sets 4, 5, 6 & 7: 10,141 lbs. / 4600 kg |
| Outer Anchor Radius: | 139 ft. / 42 m |
| Baseplate Load | 26,455 lbs. / 12,000 kg |
| Lifting Anchor Load: | 7,054 lbs. (bare mast) / 3200 kg |

Crate Dimensions and Weights

| | |
|-----------------------|---|
| Mast Crate: | 121" x 39" x 40", 2,912 lbs / 311 cm x 99 cm x 104 cm, 1321kg 1x pallet 43" x 32" x 29", 287 lbs. / 110 cm x 83 cm x 74cm, 130kg |
| Ginpole Crate: | 121" x 39" x 25", 1,047 lbs. / 311 cm x 99 cm x 475 kg |