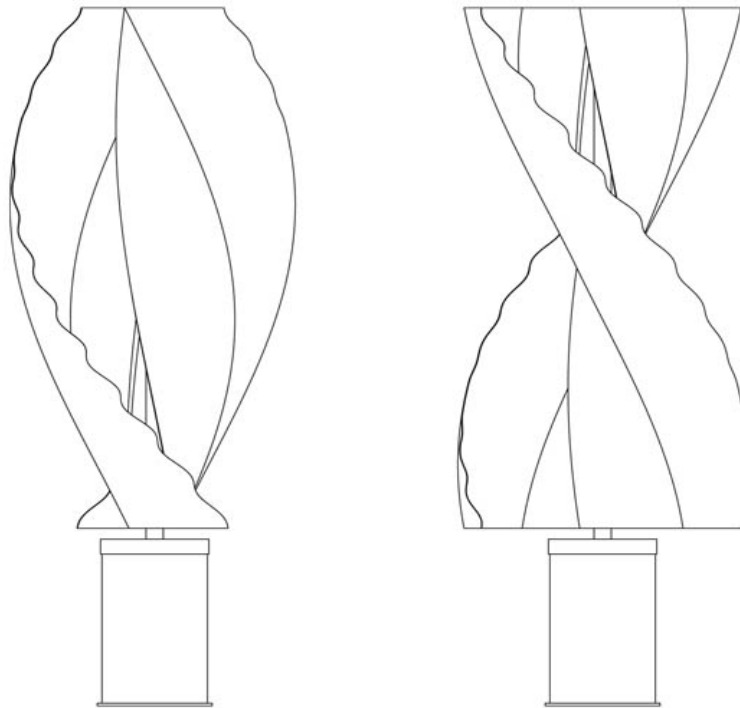




## HelixWind S322 – Structural Design Summary



**Rotor Dimensions:** 1.21m x 2.64m (4ft x 8.7ft)

**Overall Dimensions:** 1.21m x 3.30m (4ft x 10.8ft)

**Weight:** 135 kg (295 lb)

**Base Loads:** @ 45 m/s (100 mph)

Vertical	1.56 kN (.35 kips)
Shear	4.45 kN (1.0 kips)
Bending Moment	7.80 kN.m (5.75 kip.ft)

**Note: Reactions listed are NOT factored. An appropriate Safety Factor must be included in all structural design for mounting. ©HelixWind 2007 – REV E**