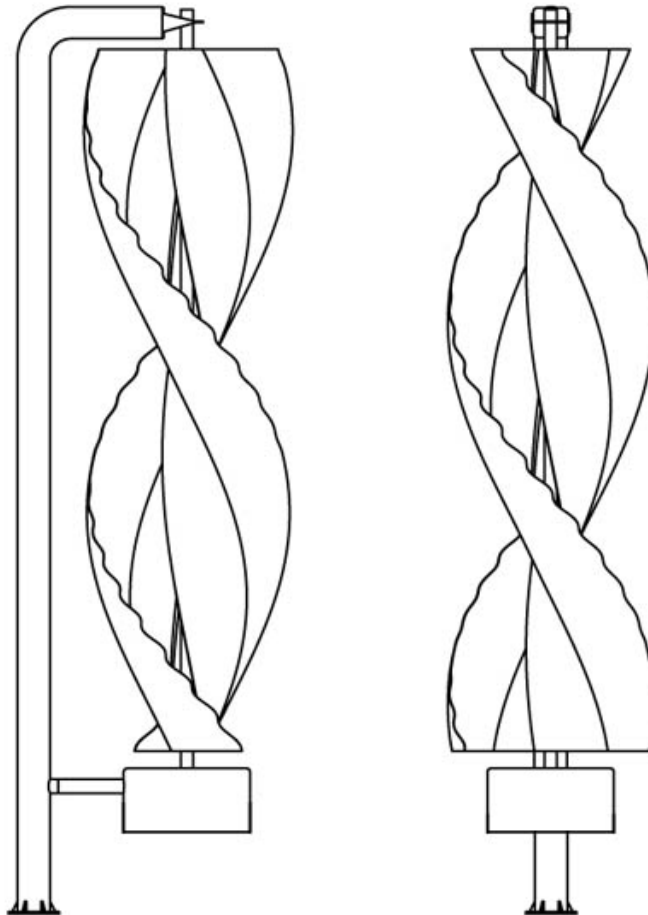




## HelixWind S594 – Structural Design Summary



**Rotor Dimensions:** 1.21m x 4.87m (4ft x 16ft)

**Overall Dimensions:** 1.80m x 6.04m (5.9ft x 19.8ft)

**Weight:** 605 kg (1330 lb)

**Base Loads:** @ 38 m/s (85 mph)

Vertical	6.36 kN (1.43 kips)
Shear	8.18 kN (1.84 kips)
Bending Moment	26.6 kN.m (19.6 kip.ft)
Torque	6.14 kN.m (4.53 kip.ft)

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