

**Tip height**  
200m

**Blade length**  
73.7m  
25 ton weight

**Nacelle**  
13.1m (L) x 4m (W) x 4.3m (H)  
130 ton weight

**Top section**  
36m (L) x 4m (W) x 3.3m (H)  
65 ton weight

**Section 4**  
30m (L) x 4.5m (W) x 4m (H)  
69 ton weight

**Section 3**  
24.4m (L) x 4.5m (W) x 4.5m (H)  
79 ton weight

**Section 2**  
19.6m (L) x 4.7m (W) x 4.5m (H)  
85 ton weight

**Base**  
12.7m (L) x 5m (W) x 4.7m (H)  
85 ton weight

## Vestas V150 4.2 megawatt (MW) Wind Turbine Generator

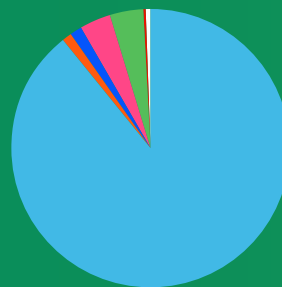
**Hub**  
125m (H) from ground  
5.5m (L) x 3.9m (W)  
36 ton weight

**Rotor diameter**  
150m

**Swept area of blades**  
17,671m<sup>2</sup>

**Average wind speed on site**  
8.2m per second

**Cut-in wind speed**  
3m per second



### Materials

- 90% Steel and iron
- 1.3% Aluminium and alloys
- 1.3% Copper and alloys
- 3.6% Polymer materials
- 3.9% Glass / carbon composites
- 0.5% Electronics / electrics
- 0.3% Lubricant and fluids

# Wind Turbine Generators for Flat Rocks Wind Farm Stage 1

All facts and figures are approximate