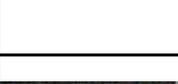


## BEAUFORT WIND FORCE SCALE - LAND BASED

Beaufort Number (Force)	Wind speed				Description	Land conditions	Visual
	mph	kts	m/s	km/h			
0	<1	<1	<1	<0.3	Calm	Calm. Smoke rises vertically.	
1	1-5	1-3	1-2	0.3-1.5	Light Air	Wind motion visible in smoke.	
2	6-11	3-7	3-6	1.5-3.3	Light Breeze	Wind felt on exposed skin. Leaves rustle.	
3	12-19	8-12	7-10	3.3-5.5	Gentle Breeze	Leaves and smaller twigs in constant motion.	
4	20-28	13-17	11-15	5.5-8.0	Moderate Breeze	Dust and loose paper raised. Small branches begin to move.	
5	29-38	18-24	16-20	8.0-10.8	Fresh Breeze	Branches of a moderate size move. Small trees begin to sway.	
6	39-49	25-30	21-26	10.8-13.9	Strong Breeze	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult. Empty plastic trash cans tip over.	
7	50-61	31-38	27-33	13.9-17.2	High Wind, Moderate Gale, Near Gale	Whole trees in motion. Effort needed to walk against the wind. Swaying of skyscrapers may be felt, especially by people on upper floors.	
8	62-74	39-46	34-40	17.2-20.7	Fresh Gale	Twigs broken from trees. Cars veer on road.	
9	75-88	47-54	41-47	20.7-24.5	Strong Gale	Larger branches break off trees and some small trees blow over. Construction/ temporarily signs and barricades blow over. Damage to circus tents and canopies.	
10	89-102	55-63	48-55	24.5-28.4	Whole Gale/Storm	Trees are broken off or uprooted, saplings bent and deformed, poorly attached asphalt shingles and shingles in poor condition peel off.	
11	103-117	64-72	56-63	28.4-32.6	Violent Storm	Widespread vegetation damage. More damage to most roofing surfaces, asphalt tiles that have curled up and/or fractured due to age may break away completely.	
12	>117	>72	>64	>32.6	Hurricane Force	Considerable and widespread damage to vegetation, a few windows broken, structural damage to mobile homes and poorly constructed sheds and barns. Debris may be hurled about.	

References:

[http://www.bbc.co.uk/weather/features/understanding/beaufort\\_scale.shtml](http://www.bbc.co.uk/weather/features/understanding/beaufort_scale.shtml)

<http://www.metoffice.gov.uk/education/secondary/students/beaufort.html>

<http://www.stormfax.com/beaufort.htm>