

Beaufort Number or Force	Description	Effects on Land	Wind Speed		
			m/s	mph	km/hr
0	Calm	Still, calm air, smoke will rise vertically.	< 1	< 1	< 1
1	Light Air	Rising smoke drifts, wind vane is inactive.	1	1 - 3	1 - 5
2	Light Breeze	Leaves rustle, can feel wind on your face, wind vanes begin to move.	2 - 3	4 - 7	6-11
3	Gentle Breeze	Leaves and small twigs move, light weight flags extend.	4 - 5	8 - 12	12 - 19
4	Moderate Breeze	Small branches move, raises dust, leaves and paper.	6 - 7	13 - 18	20 - 28
5	Fresh Breeze	Small trees sway.	8 - 10	19 - 24	29 - 38
6	Strong Breeze	Large tree branches move, telephone wires begin to "whistle", umbrellas are difficult to keep under control.	11 - 13	25 - 31	39 - 49
7	Moderate or Near Gale	Large trees sway, becoming difficult to walk.	14 - 17	32 - 38	50 - 61
8	Gale or Fresh Gale	Twigs and small branches are broken from trees, walking is difficult.	18 - 20	39 - 46	62 - 74
9	Strong Gale	Slight damage occurs to buildings, shingles are blown off of roofs.	21 - 24	47 - 54	75 - 88
10	Whole Gale or Storm	Trees are broken or uprooted, building damage is considerable.	25 - 28	55 - 63	89 - 102
11	Violent Storm	Extensive widespread damage.	29 - 32	64 - 72	103 - 117
12	Hurricane	Extreme destruction, devastation.	33 - 36	73 +	118 +

Be aware that wind speed can increase by as much as 50% at 20 meters above ground level and a funnelling effect between buildings can also become significant enough to unstable a platform.