

# Beaufort Wind Scale

Beaufort No.	Description of wind	Observation	Wind speed			
			m/s	mph	knots	ft/min
0	Calm	Smoke rises vertically. The sea is mirror smooth.	0 - 0.15	0 - 0.3	0 - 0.5	0 - 25
1	Light Air	Direction of wind shown by smoke drift but not by vanes. Scale-like ripples on sea, no foam on wave crests.	0.15 - 2.7	0.3 - 6	0.5 - 3	25 - 525
2	Light Breeze	Wind felt on face, leaves rustle, ordinary vanes moved by wind. Short wavelets, glassy wave crests.	2.7 - 3.6	6 - 8	3 - 7	525 - 700
3	Gentle Breeze	Leaves and small twigs in constant motion, wind extends light flag	3.6 - 7.2	8 - 16	7 - 10	700 - 1400
4	Moderate Breeze	Raises dust and loose paper, small branches moved. Fairy frequent whitecaps occur.	7.2 - 8.9	16 - 20	10 - 15	1,400 - 1,800
5	Fresh Breeze	Small trees in leaf begin to sway. Moderate waves, many white foam crests.	8.9 - 12.5	20 - 28	15 - 21	1,800 - 2,500
6	Strong Breeze	Large branches in motion, whistling heard in telegraph wires. Some spray on the sea surface.	12.5 - 14.5	28 - 32	21 - 27	2,500 - 2,800
7	Moderate gale	Whole trees in motion, inconvenience felt when walking into wind. Foam on waves blows on streaks.	14.5 - 20	32 - 44	27 - 33	2,800 - 3,900
8	Gale	Twigs broken of trees, generally impeded progress. Long streaks on foam appear on sea.	20 - 22	44 - 50	33 - 40	3,900 - 4,400
9	Strong gale	Straight structural damage, e.g. slates and chimney pots removed from the roofs. High waves, crest start to roll over.	22 - 28	50 - 62	40 - 48	4,400 - 5,450
10	Storm	Trees uprooted, considerable structural damage. Exceptionally high waves, visibility affected.	28 - 31	62 - 70	48 - 55	5,450 - 6,150
11	Violent Storm	Widespread damage	31 - 37	70 - 82	55 - 63	6,150 - 7,200
12	Hurricane	Air is filled with spray and foam.	> 37	> 82	> 63	> 7,200