

Beaufort Scale Chart

Beaufort	Avg miles per hour	Avg km per hour	Knots	Surroundings
0 (calm)	0	0	0-1	Smoke rises vertically and the sea is glassy or mirror smooth
1 (light air)	1.2-3	2-5	1-3	Smokes moves slightly with breeze and indicates the direction of wind
2 (light breeze)	3.7 – 7.5	6 – 12	4-6	You can feel wind on your face and hear the gentle movement of leaves on trees and shrubs
3 (gentle breeze)	8 – 12.5	13 – 20	7-10	Smoke will move horizontally and small branches start to sway. Wind extends a light flag
4 (moderate breeze)	13 – 18.6	21 – 30	11-16	Loose dust or sand on the ground will move and larger branches will sway, loose paper blows around, and fairly frequent whitecaps occur
5 (fresh breeze)	19.3 - 25	31 – 40	17-21	Surface waves form on water and small trees sway
6 (strong breeze)	25.5 - 31	41 - 50	22-27	Trees begin to bend with the force of the wind and causes whistling in telephone wires and some spray on the sea surface
7 (moderate gale)	32 - 38	51-61	28-33	large trees sway
8 (fresh gale)	39 - 46	62-74	34-40	twigs break from trees, and long streaks of foam appear on the ocean
9 (strong gale)	47 - 55	75-89	41-47	branches break from trees
10 (whole gale)	56 - 64	90-103	48-55	trees are uprooted, and the sea takes on a foamy white appearance
11 (storm)	65 - 74	104-119	56-63	widespread damage
12 (hurricane)	75+	120+	64 +	structural damage on land and intense storm waves at sea