

BEAUFORT WIND FORCE SCALE

Beaufort No.	Description	Wind Speed	Wave Height	Sea State	Sea Conditions	Land Conditions
	Im	< 1 knot < 1 mph	0 ft 0 m	0	Flat Calm (glassy)	Calm, smoke rises vertically
1	Light air	1-3 knots 1-3 mph	0-1 ft 0.1 m	1	Smooth wavelets ripples no crests	Smoke drifts in wind direction
2	Light breeze	4-6 knots 4-7 mph	1-2 ft 0.2 m	2	Small, smooth wavelets.	Leaves rustle, wind felt on skin
3	Gentle breeze	7-10 knots 8-12 mph	2-3.5 ft 0.5-1 m	3	Slight, large wavelets beginning to break	Leaves & small twigs constantly moving
4	Moderate Breeze	11-16 knots 13-17 mph	3.5-6 ft 1-2m	3 to 4	Slight-moderate with breaking crests	Dust & loose paper raised. Small branches move
5	Fresh Breeze	17-21 knots 18-24 mph	6-9 ft 2-3 m	4	Moderate waves of some length. Many white caps	Branches of moderate size move, small trees sway
6	Strong Breeze	22-27 knots 25-30 mph	9-13 ft 3-4 m	5	Rough, long waves begin to form. White crest some airborne spray	Large branches in motion. Whistling in overhead wires' Difficult to use umbrella
7	Near Gale High wind	28-33 knots 31-38 mph	13-19 ft 4-5.5 m	5 to 6	Rough – Very rough Sea heaps up, moderate amount of airborne spray	Whole tree in motion, effort needed to walk against wind
8	Gale, Fresh Gale	34-40knots 39-46 mph	18-25 ft 5.5-7.5 m	6 to 7	Very rough, high waves with breaking crests. Considerable airborne spray	Twigs broken from trees. Walking impeded
9	Strong – Severe Gale	41-47 knots 47-54 mph	23-32 ft 7-10 m	7	High waves crests roll over, large amounts of air borne spray. Reduced visibility	Some branches break of trees
10	Storm, Whole Gale	48-55 knots 55-63 mph	29-41 ft 9-12.5 m	8	Very high waves with overhanging crests	Trees broken off or uprooted
11	Violent Storm	56-63 knots 64-73 mph	37-52 ft 11.5-16 m	8	Exceptionally high waves. Severely reduced visibility	Very wide spread damage to vegetation
12	Hurricane	64+ knots 74+ mph	14+ m 50 + ft	9	Huge waves. Sea completely white with foam & spray. Greatly reduced visibility	Very widespread damage to vegetation. Windows may break