

## G. Beaufort wind scale

Beaufort No.	Description	Specifications		Speed equivalent at height of 10 m	
		L: on land	S: at sea far from land	m s <sup>-1</sup>	knots
0	Calm	L: Calm; smoke rises vertically. S: Sea like a mirror.		0-0.2	1
1	Light air	L: Wind direction shown by smoke-drift but not by wind vanes. S: Ripples resembling scales are formed, but without foam crests.		0.3-1.5	1-3
2	Light breeze	L: Wind felt on face; leaves rustle; ordinary vanes moved by wind. S: Small wavelets, still short but more pronounced; crests have glassy appearance.		1.6-3.3	4-6
3	Gentle breeze	L: Leaves and small twigs in constant motion; wind extends small flag. S: Large wavelets; crests begin to break; foam of glassy appearance; scattered whitecaps.		3.4-5.4	7-10
4	Moderate breeze	L: Raises dust and loose paper; small branches are moved. S: Small waves, becoming longer; fairly frequent whitecaps.		5.5-7.9	11-16
5	Fresh breeze	L: Small trees in leaf begin to sway; crested wavelets form on inland waters. S: Moderate waves, taking a more pronounced long form; many whitecaps.		8-10.7	17-21

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			m s <sup>-1</sup>	knots
6	Strong breeze	L: Large branches in motion; whistling heard in utility wires; umbrellas used with difficulty. S: Large waves begin to form; the white foam crests are more extensive everywhere (probably some spray).	10.8-13.8	22-27
7	Near gale	L: Whole trees in motion; inconvenience felt when walking against the wind. S: Sea heaps up and white foam from breaking waves begins to be blown in streaks along direction of the wind.	13.9-17.1	28-33
8	Gale	L: Breaks twigs off trees; generally impedes progress. S: Moderately high waves of greater length; edges of crests begin to break into spindrift; foam is blown in well-marked streaks along wind.	17.2-20.7	34-40
9	Strong gale	L: Slight structural damage occurs. S: High waves; dense streaks of foam along wind; crests of waves begin to roll over; spray may affect visibility.	20.8-24.4	41-47

(continued)

## G. Beaufort wind scale (continued)

Beaufort No.	Description	Specifications		Speed equivalent at height of 10 m	
		L: on land from land	S: at sea far from land	m s <sup>-1</sup>	knots
10	Storm	L: Seldom experienced inland; trees uprooted; considerable structural damage. S: Very high waves with long overhanging crests; foam, in great patches, is blown in dense white streaks along wind; sea takes on a white appearance; tumbling of sea becomes heavy and shocklike; visibility affected.		24.5–28.4	48–55
11	Violent storm	L: Very rarely experienced; accompanied by wide-spread damage. S: Exceptionally high waves (small and medium-sized ships might be for a time lost to view behind waves); the sea is completely covered with long white patches of foam lying along the direction of the wind; everywhere the edges of the wave crests are blown into froth; visibility affected.		28.5–32.6	56–63
12	Hurricane	L: ——— S: The air is filled with foam and spray; sea completely white with driving spray; visibility very seriously affected.		≥ 32.7	≥ 64