



Beaufort Force	Description	Mean Speed (mph)	Lower Limit (mph)	Upper Limit (mph)	Specification on Land	As Used at Sea		Height of Waves (ft)
						State of Sea	Specification at Sea	
0	Calm	0	0	1	Calm; smoke rises vertically	Calm	Sea like a mirror	0
1	Light Air	2	1	3	Direction of wind shown by smoke drift but not by wind vanes	Calm	Ripples with the appearance of scales are formed, without foam crests	0.3
2	Light Breeze	5	4	7	Wind felt on face; leaves rustle	Smooth	Small wavelets, still short but more pronounced; crests have a glassy appearance and do not break	0.6
3	Gentle Breeze	10	8	12	Leaves & small twigs in constant motion; wind extends light flag	Smooth	Large wavelets; crests begin to break; foam is of glassy appearance; scattered white horses	2
4	Moderate Breeze	15	13	18	Dust & loose paper raised; small branches moved	Slight	Small waves; becoming longer; fairly frequent white horses	3
5	Fresh Breeze	21	18	24	Small trees in leaf begin to sway; crested wavelets form on water	Moderate	Moderate waves with more pronounced long form; many white horses; chance of some spray	7
6	Strong Breeze	27	24	31	Large branches in motion; whistling heard in telegraph wires	Rough	Large waves begin to form; white foam crests are more extensive everywhere; probably some spray	10
7	Near Gale	35	31	38	Whole trees in motion; inconvenience felt when walking against the wind	Very Rough	Sea heaps up and white foam from breaking waves begins to be blown in streaks along the direction of the wind	13
8	Gale	42	39	46	Twigs break off trees; difficult to walk against wind	High	Moderately high waves of greater length; edges of crests begin to break into spindrift; foam blown along the direction of the wind	18
9	Strong Gale	50	47	54	Slight structural damage to chimney pots, aerials & roof slates	Very High	High waves; dense streaks of foam along the direction of the wind; crests of waves topple, tumble and roll over; spray may affect visibility	23
10	Storm	59	55	63	Trees uprooted; considerable structural damage	Very High	Very high waves with long overhanging crests; foam patches blown in dense white streaks; heavy "tumbling" of sea; visibility affected	30
11	Violent Storm	68	64	72	Widespread structural damage	Phenomenal	Exceptionally high waves (ships sometimes lost to view behind the waves); everywhere the edges of the wave crests are blown into froth	38
12	Hurricane	-	73	-	Devastation	Phenomenal	Air is filled with foam and spray; sea completely white with driving spray; visibility very seriously affected	47