

## Wind Speeds and Corresponding Sea Conditions

Beaufort number	Wind speed				Mean wind speed (kt / km/h / mph)	Description	Sea conditions	Land conditions
	<u>kt</u>	<u>km/h</u>	<u>mph</u>	<u>m/s</u>				
<b>0</b>	<b>0</b>	0	0	0-0.2	0 / 0 / 0	<u>Calm</u>	Flat.	Calm. Smoke rises vertically.
<b>1</b>	<b>1-3</b>	1-6	1-3	0.3-1.5	2 / 4 / 2	<u>Light air</u>	Ripples without crests.	Wind motion visible in smoke.
<b>2</b>	<b>4-6</b>	7-11	4-7	1.6-3.3	5 / 9 / 6	<u>Light breeze</u>	Small wavelets. Crests of glassy appearance, not breaking	Wind felt on exposed skin. Leaves rustle.
<b>3</b>	<b>7-10</b>	12-19	8-12	3.4-5.4	9 / 17 / 11	Gentle breeze	Large wavelets. Crests begin to break; scattered whitecaps	Leaves and smaller twigs in constant motion.
<b>4</b>	<b>11-15</b>	20-29	13-18	5.5-7.9	13 / 24 / 15	Moderate breeze	Small waves.	Dust and loose paper raised. Small branches begin to move.
<b>5</b>	<b>16-21</b>	30-39	19-24	8.0-10.7	19 / 35 / 22	Fresh breeze	Moderate (1.2 m) longer waves. Some foam and spray.	Smaller trees sway.
<b>6</b>	<b>22-27</b>	40-50	25-31	10.8-13.8	24 / 44 / 27	Strong breeze	Large waves with foam crests and some spray.	Large branches in motion. Whistling heard in overhead wires. Umbrella use becomes difficult.
<b>7</b>	<b>28-33</b>	51-62	32-38	13.9-17.1	30 / 56 / 35	<u>Near gale</u>	Sea heaps up and foam begins to streak.	Whole trees in motion. Effort needed to walk against the wind.
<b>8</b>	<b>34-40</b>	63-75	39-46	17.2-20.7	37 / 68 / 42	Gale	Moderately high waves with breaking crests forming spindrift. Streaks of foam.	Twigs broken from trees. Cars veer on road.
<b>9</b>	<b>41-47</b>	76-87	47-54	20.8-24.4	44 / 81 / 50	Severe gale	High waves (6-7 m) with dense foam. Wave crests start to roll over. Considerable spray.	Light structure damage.
<b>10</b>	<b>48-55</b>	88-102	55-63	24.5-28.4	52 / 96 / 60	<u>Storm</u>	Very high waves. The sea surface is white and there is considerable tumbling. Visibility is reduced.	Trees uprooted. Considerable structural damage.
<b>11</b>	<b>56-63</b>	103-	64-73	28.5-32.6	60 / 112 / 70	Violent storm	Exceptionally high waves.	Widespread structural damage.
<b>12</b>	<b>64-80</b>	120	74-95	32.7-40.8	73 / 148 / 90	<u>Hurricane</u>	Huge waves. Air filled with foam and spray. Sea completely white with driving spray. Visibility greatly reduced.	Considerable and widespread damage to structures.