

## BEAUFORT WIND SCALE

force	speed (km/h)	speed (mi/h)	speed (m/s)	wind type	wind effects
<b>0</b>	0 - 1	0 - 1	> 0.3	calm	smoke rises vertically; sea surface mirror-like.
<b>1</b>	1 - 5	1 - 4	0.3 - 1.5	light air	wind causes smoke to drift; ripples on water.
<b>2</b>	6 - 11	5 - 7	1.6 - 3.3	light breeze	leaves rustle; small wavelets.
<b>3</b>	12 - 19	8 - 11	3.4 - 5.4	gentle breeze	leaves and twigs constantly moving; large wavelets, crests begin to break.
<b>4</b>	20 - 28	12 - 18	5.5 - 7.9	moderate breeze	the wind raises dust, dry leaves, small tree branches constantly moving; small waves becoming longer.
<b>5</b>	29 - 38	19 - 24	8 - 10.7	fresh breeze	small trees in leaf begin to sway; small waves form on inland waters; waves become moderately longer.
<b>6</b>	39 - 49	25 - 31	10.8 - 13.8	strong breeze	larger tree branches moving, whistling in telegraph wires; whitecaps on the sea surface and spray.
<b>7</b>	50 - 61	32 - 38	13.9 - 17.1	near gale	whole trees moving, resistance when walking against wind; sea heaps up, white foam streaks of breakers.
<b>8</b>	62 - 74	39 - 46	17.2 - 20.7	gale	twigs breaking off trees, walking against wind becomes impossible, moderately high waves of greater length, edges of crests begin to break into spindrift.
<b>9</b>	75 - 88	47 - 54	20.8 - 24.4	strong gale	shingles and tiles blown away; high waves, dense streaks of foam and spray, raised by wind, reduce the visibility.
<b>10</b>	89 - 102	55 - 63	24.5 - 28.4	storm	seldom experienced on land, trees uprooted, considerable damage to dwellings; very high waves with long overhanging crests.
<b>11</b>	103 - 117	64 - 73	28.5 - 32.6	violent storm	rare, severe devastation; enormous high waves, which can conceal medium sized ships; poor visibility.
<b>12</b>	beyond 118	74 +	32.7 +	hurricane	destruction of buildings, constructions, etc.; foam and sprays in the seas seriously reduce visibility.