

### Beaufort Wind Scale

Beaufort Number	Estimating Wind Speed		World Meteorological Organization Description	Wind Speed		
	Effects Observed on Land	Effects Observed near Land or at Sea		knots	mph	km/hr
<b>0</b>	Calm; smoke rises vertically	Calm, sea like a mirror	Calm	under 1	under 1	under 1
<b>1</b>	Smoke drift indicates wind direction; wind vanes do not move	Small sailboat just has steerage way, ripples	Light Air	1-3	1-3	1-5
<b>2</b>	Wind felt on face; leaves rustle; wind vanes begin to move	Wind fills the sails of small boats, which then travel at about 1-2 knots, small wavelets	Light Breeze	4-6	4-7	6-11
<b>3</b>	Leaves and small twigs in constant motion; light flags extended	Sailboats begin to heel and travel at about 3-4 knots, larger wavelets with scattered whitecaps	Gentle Breeze	7-10	8-12	12-19
<b>4</b>	Dust, leaves, and loose paper raised up by wind; small branches move	Good working breeze; sailboats carry all sail with good heel, small waves, more numerous whitecaps	Moderate Breeze	11-16	13-18	20-28
<b>5</b>	Small trees in leaf begin to sway	Sailboats shorten sail, moderate waves, many whitecaps	Fresh Breeze	17-21	19-24	29-38
<b>6</b>	Larger branches of trees in motion; whistling heard in wires; difficult to use umbrellas	Sailboats have double reefed mainsails, larger waves, many whitecaps	Strong Breeze	22-27	25-31	39-49
<b>7</b>	Whole trees in motion; resistance felt when walking against wind	Boats remain in harbor; those at sea heave to	Near Gale	28-33	32-38	50-61
<b>8</b>	Twigs and small branches broken off trees; progress generally impaired	All boats make for harbor if near	Gale	34-40	39-46	62-74
<b>9</b>	Slight structural damage occurs; slate blown from roofs		Strong Gale	41-47	47-54	75-88
<b>10</b>	Seldom experienced on land; trees broken or uprooted; considerable structural damage occurs		Storm	48-55	55-63	89-102
<b>11</b>	Very rarely experienced on land; usually accompanied by widespread damage		Violent Storm	56-63	64-72	103-117
<b>12</b>			Hurricane	64 +	73 +	118 +