Appendix 21.4

Beaufort Wind Scale

Beaufort wind scale	Mean Wind Speed		Limits of wind speed		Wind descriptive term	Specification
	Knots	m/s	Knots	m/s		
0	0	0	<1	<1	Calm	Smoke rises vertically
1	2	1	1-3	1-2	Light air	Direction shown by smoke drift but not by wind vanes
2	5	3	4-6	2-3	Light breeze	Wind felt on face; leaves rustle; wind vane moved by wind
3	9	5	7-10	4-5	Gentle breeze	Leaves and small twigs in constant motion; light flags extended
4	13	7	11-16	6-8	Moderate breeze	Raises dust and loose paper; small branches moved.
5	19	10	17-21	9-11	Fresh breeze	Small trees in leaf begin to sway; crested wavelets form on inland waters.
6	24	12	22-27	11-14	Strong breeze	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty.
7	30	15	28-33	14-17	Near gale	Whole trees in motion; inconvenience felt when walking against the wind.
8	37	19	34-40	17-21	Gale	Twigs break off trees; generally impedes progress.
9	44	23	41-47	21-24	Strong gale	Slight structural damage (chimney pots and slates removed).
10	52	27	48-55	25-28	Storm	Seldom experienced inland; trees uprooted; considerable structural damage
11	60	31	56-63	29-32	Violent storm	Very rarely experienced; accompanied by widespread damage
12			64+	33+	Hurricane	Devastation

Adapted from https://www.metoffice.gov.uk/weather/guides/coast-and-sea/beaufort-scale and https://www.rmets.org/resource/beaufort-scale