

Provided by Desert Specialty Rigging Supply - Las Vegas - Telephone: 702-798-5559

Force of Wind for Given Velocities

Miles Per Hour (V)	Feet Per Minute	Feet Per Second	Force in Pounds Per Square Foot (0.004V ²)	Description
1	88	1.47	0.004	Hardly perceptible
2	176	2.93	0.014	Just perceptible
3	264	4.4	0.036	Just perceptible
4	352	5.87	0.064	Gentle breeze
5	440	7.33	0.1	Gentle breeze
10	880	14.67	0.4	Pleasant breeze
15	1,320	22	0.9	Pleasant breeze
20	1,760	1.6	1.6	Brisk gale
25	2,200	29.3	2.5	Brisk gale
30	2,640	44	3.6	High wind
35	3,080	51.3	4.9	High wind
40	3,520	58.6	6.4	Very high wind
45	3,960	66	8.1	Very high wind
50	4,400	73.3	10	Storm
60	5,280	88	14.4	Great storm
70	6,160	102.7	19.6	Great storm
80	7,040	117.3	25.6	Hurricane
100	8,800	146.6	40	Hurricane

From Kidder-Parker, Architects and Builders Handbook

Source: Accident Prevention Manual for Industrial Operations, 8th Edition, National Safety Council, Page 4: