

**Table 2.20(g)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: London (Heathrow) (1982–2011)

Temperature / °C	Percentage frequency for stated range of wind speed / m·s <sup>-1</sup>															All speeds	
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30		30–32
<b>Annual average</b>																	
–12.0 to –10.1																	
–10.0 to –8.1	0.01	0.00	0.00														0.01
–8.0 to –6.1	0.02	0.01	0.01														0.03
–6.0 to –4.1	0.10	0.04	0.02	0.01	0.00												0.17
–4.0 to –2.1	0.27	0.16	0.07	0.04	0.02	0.00											0.56
–2.0 to –0.1	0.84	0.52	0.20	0.08	0.03	0.00											1.67
0.0 to 1.9	1.60	1.29	0.54	0.17	0.03	0.00											3.64
2.0 to 3.9	2.22	2.16	1.13	0.39	0.06	0.01											5.96
4.0 to 5.9	2.55	3.14	1.76	0.58	0.15	0.02	0.00										8.20
6.0 to 7.9	2.79	3.87	2.35	0.86	0.26	0.05	0.01	0.00									10.19
8.0 to 9.9	2.73	4.35	2.98	1.26	0.43	0.10	0.02	0.00	0.00								11.88
10.0 to 11.9	2.74	4.42	3.09	1.53	0.55	0.15	0.03	0.01	0.00								12.52
12.0 to 13.9	2.84	4.19	2.79	1.25	0.43	0.12	0.03	0.01	0.00	0.00							11.66
14.0 to 15.9	2.45	4.14	2.73	1.02	0.27	0.06	0.01	0.00									10.66
16.0 to 17.9	1.73	3.28	2.47	0.86	0.21	0.04	0.00										8.59
18.0 to 19.9	1.08	2.22	1.83	0.70	0.16	0.03	0.00										6.02
20.0 to 21.9	0.59	1.41	1.14	0.45	0.09	0.02	0.00										3.70
22.0 to 23.9	0.29	0.90	0.72	0.26	0.03												2.21
24.0 to 25.9	0.15	0.54	0.42	0.13	0.01												1.26
26.0 to 27.9	0.06	0.30	0.22	0.08	0.01												0.67
28.0 to 29.9	0.01	0.12	0.10	0.05	0.00												0.27
30.0 to 31.9	0.00	0.04	0.05	0.02	0.00												0.12
32.0 to 33.9		0.01	0.01	0.00													0.03
34.0 to 35.9		0.00	0.00														0.01
36.0 to 37.9			0.00														0.00
All temps.	25.07	37.11	24.62	9.73	2.74	0.60	0.10	0.02	0.01								100.00
<b>Spring average</b>																	
–12.0 to –10.1																	
–10.0 to –8.1																	
–8.0 to –6.1																	
–6.0 to –4.1	0.01	0.00															0.01
–4.0 to –2.1	0.09	0.05	0.01														0.15
–2.0 to –0.1	0.33	0.22	0.07	0.03	0.01												0.66
0.0 to 1.9	1.11	1.01	0.33	0.10	0.02												2.56
2.0 to 3.9	1.95	1.98	1.01	0.39	0.08	0.01											5.42
4.0 to 5.9	3.10	3.66	2.10	0.59	0.17	0.02	0.00										9.64
6.0 to 7.9	3.89	5.22	3.30	1.13	0.33	0.07	0.02	0.00									13.96
8.0 to 9.9	4.14	6.65	4.33	1.62	0.54	0.12	0.01	0.01	0.00								17.41
10.0 to 11.9	3.32	6.80	5.11	2.05	0.52	0.13	0.03	0.01	0.00								17.98
12.0 to 13.9	2.37	4.38	3.98	1.66	0.46	0.05	0.01	0.01									12.92
14.0 to 15.9	1.49	2.91	2.54	1.16	0.33	0.06	0.00										8.49
16.0 to 17.9	0.81	1.79	1.53	0.63	0.19	0.05	0.00										5.00
18.0 to 19.9	0.44	1.04	0.83	0.43	0.07	0.02	0.01	0.00									2.84
20.0 to 21.9	0.18	0.63	0.46	0.23	0.03												1.53
22.0 to 23.9	0.10	0.37	0.27	0.11	0.00												0.85
24.0 to 25.9	0.08	0.16	0.14	0.06	0.01												0.44
26.0 to 27.9	0.01	0.06	0.04	0.01	0.01												0.13
28.0 to 29.9		0.01	0.01	0.01													0.02
30.0 to 31.9			0.00	0.01													0.01
32.0 to 33.9																	
34.0 to 35.9																	
36.0 to 37.9																	
All temps.	23.41	36.95	26.04	10.22	2.77	0.51	0.08	0.02	0.01								100.01

Table continues

**Table 2.20(g)** Annual and seasonal average percentage frequencies of hourly wind speed by temperature: London (Heathrow) (1982–2011) — *continued*

Temperature / °C	Percentage frequency for stated range of wind speed / m·s <sup>-1</sup>															All speeds	
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30		30–32
<b>Summer average</b>																	
–12.0 to –10.1																	
–10.0 to –8.1																	
–8.0 to –6.1																	
–6.0 to –4.1																	
–4.0 to –2.1																	
–2.0 to –0.1																	
0.0 to 1.9																	
2.0 to 3.9	0.00																0.00
4.0 to 5.9	0.03	0.01															0.04
6.0 to 7.9	0.18	0.09	0.01														0.28
8.0 to 9.9	0.77	0.52	0.06	0.01													1.37
10.0 to 11.9	2.48	2.35	0.49	0.06	0.00												5.38
12.0 to 13.9	4.35	5.56	2.02	0.37	0.03	0.00											12.33
14.0 to 15.9	5.19	8.25	4.14	0.94	0.13	0.03	0.01										18.68
16.0 to 17.9	4.52	7.92	5.20	1.50	0.28	0.03	0.00										19.45
18.0 to 19.9	3.18	6.17	4.76	1.72	0.37	0.04											16.25
20.0 to 21.9	1.83	4.15	3.42	1.35	0.27	0.05	0.00										11.07
22.0 to 23.9	0.91	2.87	2.33	0.82	0.11	0.00											7.04
24.0 to 25.9	0.48	1.82	1.39	0.41	0.03	0.00											4.13
26.0 to 27.9	0.21	1.04	0.77	0.29	0.03												2.33
28.0 to 29.9	0.04	0.45	0.36	0.18	0.02												1.05
30.0 to 31.9	0.02	0.15	0.20	0.09	0.02												0.47
32.0 to 33.9	0.00	0.04	0.04	0.01													0.10
34.0 to 35.9		0.02	0.01	0.00													0.03
36.0 to 37.9			0.01														0.01
All temps.	24.19	41.40	25.21	7.75	1.29	0.16	0.01										100.00
<b>Autumn average</b>																	
–12.0 to –10.1																	
–10.0 to –8.1																	
–8.0 to –6.1	0.00																0.00
–6.0 to –4.1	0.04																0.04
–4.0 to –2.1	0.14	0.02															0.16
–2.0 to –0.1	0.49	0.10	0.03	0.01													0.63
0.0 to 1.9	1.14	0.47	0.12	0.05	0.01												1.78
2.0 to 3.9	1.86	1.01	0.23	0.06	0.01												3.17
4.0 to 5.9	2.48	2.07	0.73	0.13	0.03	0.01											5.44
6.0 to 7.9	3.32	3.51	1.46	0.36	0.06	0.00											8.70
8.0 to 9.9	4.00	5.39	2.62	0.68	0.15	0.03	0.01			0.00							12.88
10.0 to 11.9	4.65	6.34	3.71	1.44	0.35	0.08	0.02	0.00									16.58
12.0 to 13.9	4.54	6.33	4.19	1.81	0.51	0.16	0.03	0.01	0.01	0.01							17.60
14.0 to 15.9	3.05	5.26	4.15	1.87	0.54	0.10	0.01	0.00									14.99
16.0 to 17.9	1.54	3.32	3.11	1.31	0.37	0.07	0.00										9.71
18.0 to 19.9	0.66	1.61	1.66	0.63	0.19	0.05	0.00										4.81
20.0 to 21.9	0.31	0.84	0.63	0.22	0.06	0.01	0.01										2.07
22.0 to 23.9	0.14	0.34	0.26	0.10	0.01												0.86
24.0 to 25.9	0.05	0.18	0.13	0.04	0.00												0.40
26.0 to 27.9	0.01	0.07	0.07	0.02	0.01												0.17
28.0 to 29.9		0.01	0.01	0.01													0.02
30.0 to 31.9																	
32.0 to 33.9																	
34.0 to 35.9																	
36.0 to 37.9																	
All temps.	28.42	36.87	23.11	8.71	2.29	0.51	0.08	0.02	0.01	0.01							100.00

*Table continues*

