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Crosswind Calculator

Wind Angle° →	10	20	30	40	50	60	70	80	
Wind Speed ↓	1	0.2	0.3	0.5	0.6	0.8	0.9	0.9	1.0
	2	0.3	0.7	1.0	1.3	1.5	1.7	1.9	2.0
	3	0.5	1.0	1.5	1.9	2.3	2.6	2.8	3.0
	4	0.7	1.4	2.0	2.6	3.1	3.5	3.8	3.9
	5	0.9	1.7	2.5	3.2	3.8	4.3	4.7	4.9
6	1.0	2.1	3.0	3.9	4.6	5.2	5.6	5.9	
7	1.2	2.4	3.5	4.5	5.4	6.1	6.6	6.9	
8	1.4	2.7	4.0	5.1	6.1	6.9	7.5	7.9	
9	1.6	3.1	4.5	5.8	6.9	7.8	8.5	8.9	
10	1.7	3.4	5.0	6.4	7.7	8.7	9.4	9.8	
11	1.9	3.8	5.5	7.1	8.4	9.5	10.3	10.8	
12	2.1	4.1	6.0	7.7	9.2	10.4	11.3	11.8	
13	2.3	4.4	6.5	8.4	10.0	11.3	12.2	12.8	
14	2.4	4.8	7.0	9.0	10.7	12.1	13.2	13.8	
15	2.6	5.1	7.5	9.6	11.5	13.0	14.1	14.8	
16	2.8	5.5	8.0	10.3	12.3	13.9	15.0	15.8	
17	3.0	5.8	8.5	10.9	13.0	14.7	16.0	16.7	
18	3.1	6.2	9.0	11.6	13.8	15.6	16.9	17.7	
19	3.3	6.5	9.5	12.2	14.6	16.5	17.9	18.7	
20	3.5	6.8	10.0	12.9	15.3	17.3	18.8	19.7	
21	3.6	7.2	10.5	13.5	16.1	18.2	19.7	20.7	
22	3.8	7.5	11.0	14.1	16.9	19.1	20.7	21.7	
23	4.0	7.9	11.5	14.8	17.6	19.9	21.6	22.7	
24	4.2	8.2	12.0	15.4	18.4	20.8	22.6	23.6	
25	4.3	8.6	12.5	16.1	19.2	21.7	23.5	24.6	
26	4.5	8.9	13.0	16.7	19.9	22.5	24.4	25.6	
27	4.7	9.2	13.5	17.4	20.7	23.4	25.4	26.6	
28	4.9	9.6	14.0	18.0	21.4	24.2	26.3	27.6	
29	5.0	9.9	14.5	18.6	22.2	25.1	27.3	28.6	
30	5.2	10.3	15.0	19.3	23.0	26.0	28.2	29.5	

Headwind or tailwind, read value for: 90° - Wind Angle



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	3	0.5	1.0	1.5	1.9	2.3	2.6	2.8	3.0
	4	0.7	1.4	2.0	2.6	3.1	3.5	3.8	3.9
	5	0.9	1.7	2.5	3.2	3.8	4.3	4.7	4.9
6	1.0	2.1	3.0	3.9	4.6	5.2	5.6	5.9	
7	1.2	2.4	3.5	4.5	5.4	6.1	6.6	6.9	
8	1.4	2.7	4.0	5.1	6.1	6.9	7.5	7.9	
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12	2.1	4.1	6.0	7.7	9.2	10.4	11.3	11.8	
13	2.3	4.4	6.5	8.4	10.0	11.3	12.2	12.8	
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16	2.8	5.5	8.0	10.3	12.3	13.9	15.0	15.8	
17	3.0	5.8	8.5	10.9	13.0	14.7	16.0	16.7	
18	3.1	6.2	9.0	11.6	13.8	15.6	16.9	17.7	
19	3.3	6.5	9.5	12.2	14.6	16.5	17.9	18.7	
20	3.5	6.8	10.0	12.9	15.3	17.3	18.8	19.7	
21	3.6	7.2	10.5	13.5	16.1	18.2	19.7	20.7	
22	3.8	7.5	11.0	14.1	16.9	19.1	20.7	21.7	
23	4.0	7.9	11.5	14.8	17.6	19.9	21.6	22.7	
24	4.2	8.2	12.0	15.4	18.4	20.8	22.6	23.6	
25	4.3	8.6	12.5	16.1	19.2	21.7	23.5	24.6	
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30	5.2	10.3	15.0	19.3	23.0	26.0	28.2	29.5	

Headwind or tailwind, read value for: 90° - Wind Angle

Basic VFR Weather Minimums

Airspace	Flight Visibility	Dist. from Clouds
Class B	3 sm	Clear of clouds
Class C	3 sm	500 ft below 1000 ft above 2000 ft horizontal
Class D	3 sm	500 ft below 1000 ft above 2000 ft horizontal
Class E		
at or above 10,000 MSL	5 sm	1000 ft below 1000 ft above 1 sm horizontal
below 10,000 MSL	3 sm	500 ft below 1000 ft above 2000 ft horizontal
Class G		
above 1,200 AGL and at or above 10,000 MSL	5 sm	1000 ft below 1000 ft above 1 sm horizontal
above 1,200 AGL and below 10,000 MSL	Day: 1 sm Night: 3 sm	500 ft below 1000 ft above 2000 ft horizontal
at or below 1,200 AGL	Day: 1 sm Night: 3 sm	Clear of clouds 500 ft below 1000 ft above 2000 ft horizontal
in traffic pattern within ½ mile of runway	1 sm	Clear of clouds
Controlled Airspace Designated to the Surface for an Airport		
To operate beneath ceiling: ceiling at or above 1,000 AGL		
Surface Area of Class B, C, D, or E Designated for an Airport		
To land, takeoff, or enter traffic pattern: ground vis. 3 sm. If ground visibility is not available, flight visibility during landing, takeoff, or while in traffic pattern: 3 sm.		

sm = statute mile(s). All altitudes (AGL and MSL) are in feet.
(from FAR 91.155)

Basic VFR Weather Minimums

Airspace	Flight Visibility	Dist. from Clouds
Class B	3 sm	Clear of clouds
Class C	3 sm	500 ft below 1000 ft above 2000 ft horizontal
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at or above 10,000 MSL	5 sm	1000 ft below 1000 ft above 1 sm horizontal
below 10,000 MSL	3 sm	500 ft below 1000 ft above 2000 ft horizontal
Class G		
above 1,200 AGL and at or above 10,000 MSL	5 sm	1000 ft below 1000 ft above 1 sm horizontal
above 1,200 AGL and below 10,000 MSL	Day: 1 sm Night: 3 sm	500 ft below 1000 ft above 2000 ft horizontal
at or below 1,200 AGL	Day: 1 sm Night: 3 sm	Clear of clouds 500 ft below 1000 ft above 2000 ft horizontal
in traffic pattern within ½ mile of runway	1 sm	Clear of clouds
Controlled Airspace Designated to the Surface for an Airport		
To operate beneath ceiling: ceiling at or above 1,000 AGL		
Surface Area of Class B, C, D, or E Designated for an Airport		
To land, takeoff, or enter traffic pattern: ground vis. 3 sm. If ground visibility is not available, flight visibility during landing, takeoff, or while in traffic pattern: 3 sm.		

sm = statute mile(s). All altitudes (AGL and MSL) are in feet.
(from FAR 91.155)