

# N8439Z PERFORMANCE INDEX CARD

## CROSS WIND CHART

		For Cross Wind Component								
		Angle Between Wind Direction & Runway Heading								
		10	20	30	40	50	60	70	80	90
Wind Speed (Kts)	5	1	2	2	3	4	4	4	5	5
	10	2	3	5	6	7	8	9	9	10
	15	3	5	7	9	11	13	14	14	15
	20	3	7	10	13	15	17	18	19	20
	25	4	8	12	16	19	22	23	24	25
	30	5	10	15	19	23	26	28	29	30
	35	6	12	17	22	26	30	32	34	35

N8439Z Max Cross Wind **17**

## DEPARTURE BRIEFING

This is a (normal/flaps 25) takeoff from runway \_\_\_\_ at (full length or intersection), distance available is \_\_\_\_, the runway surface is (condition), our takeoff distance today is (compute), obstacles are \_\_\_\_; departure procedures are \_\_\_\_; engine failure briefing: (on the roll, below safe maneuvering altitude, above safe maneuvering altitude). All passengers should have lap belts on for full flight duration, shoulder belts for take-off and landing. Any questions?

## ENGINE RPM - BEST POWER

(LEANED TO 100°F RICH OF PEAK EGT, 65% Power = 9.0 GPH, 75% Power = 10.5 GPH)

Pressure Altitude (Feet)	-10°C		0°C		10°C		20°C		30°C	
	65% Power	75% Power	65% Power	75% Power	65% Power	75% Power	65% Power	75% Power	65% Power	75% Power
2000	2300	2420	2320	2460	2350	2490	2380	2520	2410	2550
3000	2320	2460	2350	2490	2380	2520	2410	2550	2440	2580
4000	2350	2490	2380	2520	2410	2550	2440	2580	2470	2610
5000	2380	2520	2410	2550	2440	2580	2470	2610	2500	2640
6000	2410	2550	2440	2580	2470	2610	2500	2640	2530	2660
7000	2440	2580	2470	2610	2500	2640	2530	2660	2560	2660
8000	2470	2610	2500	2640	2530	2660	2560	2660	2590	2660
9000	2500	2640	2530	2660	2560	2660	2590	2660	2600	2660
10000	2530	2660	2560	2660	2590	2660	2600	2660	2600	2660

Reference Only, See POH for Official Engine Performance Charts

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## TAKEOFF PERFORMANCE CHARTS

Weight	Pressure Altitude (Feet)	-10°C		0°C		10°C		20°C		30°C	
		Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs
2550	Sea Level	878	1493	878	1493	906	1702	1081	1988	1253	2262
	1000	893	1514	942	1697	1116	1972	1287	2293	1467	2636
	2000	918	1667	1098	1987	1280	2320	1466	2664	1638	2976
	3000	1097	1973	1283	2338	1469	2705	1655	3085	1833	3452
	4000	1284	2308	1480	2687	1670	3114	1865	3556	2054	3990
	5000	1471	2669	1681	3110	1887	3608	2094	4142	2291	4507
	6000	1675	3087	1900	3589	2130	4175	2349	4507	2393	4507
	7000	1871	3554	2090	4153	2301	4527	2383	4527	2383	4527

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Weight	Pressure Altitude (Feet)	-10°C		0°C		10°C		20°C		30°C	
		Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs
2400	Sea Level	751	1230	751	1230	780	1439	948	1695	1106	1944
	1000	766	1251	815	1416	983	1682	1136	1970	1288	2264
	2000	792	1404	964	1694	1129	1998	1288	2288	1444	2589
	3000	963	1682	1131	2013	1290	2327	1459	2666	1608	2957
	4000	1132	1983	1303	2312	1468	2690	1638	3059	1805	3386
	5000	1292	2290	1478	2687	1659	3106	1832	3518	2002	3870
	6000	1473	2668	1672	3089	1862	3545	2057	3870	2102	3870
	7000	1644	3057	1830	3524	2011	3890	2092	3890	2092	3890

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Weight	Pressure Altitude (Feet)	-10°C		0°C		10°C		20°C		30°C	
		Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs	Ground Roll	Clear 50ft Obs
2100	Sea Level	520	1139	520	1139	549	1349	702	1510	830	1503
	1000	536	1160	585	1325	731	1510	852	1500	970	1568
	2000	561	1313	718	1510	846	1498	970	1582	1087	1853
	3000	716	1510	848	1497	974	1615	1096	1905	1206	2092
	4000	849	1499	980	1600	1105	1921	1230	2161	1352	2431
	5000	975	1588	1110	1919	1243	2200	1372	2509	1484	2770
	6000	1109	1907	1254	2189	1390	2532	1521	2770	1563	2770
	7000	1235	2160	1370	2513	1491	2790	1554	2790	1554	2790

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