

TAKE OFF DATA TABLE

Hard-Surface Runway, Flaps 10°

			SL - 59°F		2500' - 50°F		5000' - 41°F		7500' - 32°F	
WT	IAS mph	Head Wind	Gnd Run	50' Obs	Gnd Run	50' Obs	Gnd Run	50' Obs	Gnd Run	50' Obs
2500	70	0	860	1360	1000	155 5	1135	1765	1435	2225
2500	70	10	605	1020	710	117 5	820	1350	1050	1730
2500	70	20	390	720	470	840	550	980	730	1230
2200	66	0	645	1055	750	120 0	845	1340	1070	1670
2200	66	10	440	780	520	890	595	1005	785	1265
2200	66	20	275	535	330	620	385	715	570	910
1900	61	0	470	805	540	905	610	1000	770	1230
1900	61	10	310	580	365	860	415	740	535	915
1900	61	20	180	390	220	445	260	510	340	680

1. Increase distance 10% for each 25°F above standard temperature for a particular altitude.
2. For operation on a dry, grass runway, increase distances (both ground run and total to clear a 50 foot obstacle) by 7% of the "Total to clear 50' obstacle" figure.

LANDING DISTANCE TABLELanding Distance - Full Flaps - Power Off
No Wind - Hard Surface Runway

		SL - 59°F		2500' - 50°F		5000' - 41°F		7500' - 32°F	
Weight	IAS MPH	Gnd Roll	Clear 50' obs	Gnd Roll	Clear 50' obs	Gnd Roll	Clear 50' obs	Gnd Roll	Clear 50' obs
2500	75	610	1320	650	1390	685	1400	725	1560

STALL SPEED TABLES

2200 lbs Power Off - CAS MPH				
Flap Position	Angle of Bank			
	0°	20°	40°	60°
UP	60 MPH	61 MPH	68 MPH	80 MPH
20°	55 MPH	57 MPH	63 MPH	78 MPH
40°	49 MPH	51 MPH	56 MPH	70 MPH
2500 lbs Power Off - CAS MPH				
Flap Position	Angle of Bank			
	0°	20°	40°	60°
UP	64 MPH	66 MPH	73 MPH	90 MPH
20°	58 MPH	60 MPH	67 MPH	83 MPH
40°	53 MPH	55 MPH	60 MPH	75 MPH

MAXIMUM RATE OF CLIMB TABLE

WGT	SL - 59°F			5000' - 41°F			10,000 - 23°F		
	IAS MPH	ROC FPM	Fuel Gal	IAS MPH	ROC FPM	Fuel Gal	IAS MPH	ROC FPM	Fuel Gal
2500	100	880	1.3	95	620	2.9	91	395	4.8
2200	97	1070	1.3	92	800	2.6	89	530	4
1900	94	1310	1.3	89	1000	2.3	87	695	3.5

CRUISE PERFORMANCE TABLE

Gross Weight: 2500 lbs. Fuel: 48 Gals.(No Reserve)
Standard Conditions. Zero Wind

CAUTION: To avoid potential overspeed damage, do not operate engine above 2600 RPM.

ALTITUDE (ft)	RPM	% PWR	GPH	MPH	KNOTS
2500	2600	67	10.3	128	111
	2500	61	9.3	123	107
	2400	55	8.5	118	102
	2300	60	7.7	111	96
	2200	44	6.9	103	89
5000	2700	70	10.6	133	119
	2600	64	9.7	128	117
	2500	58	8.8	123	107
	2400	52	8.0	116	102
	2300	47	7.3	108	94
	2200	41	6.6	96	93
7500	2800	72	11.0	138	120
	2700	66	10.0	133	115
	2600	60	9.2	128	112
	2500	54	8.4	121	105
	2400	49	7.6	113	98
	2300	44	5.9	102	89
10,000	2800	68	10.4	138	120
	2700	62	9.5	133	115
	2600	57	8.7	126	109
	2500	51	7.8	118	103
	2400	46	7.2	107	93
	2300	41	6.5	90	78

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