

NORMAL TAKEOFF DISTANCE

CONDITIONS:

1. 2235 RPM and 39.0 Inches Hg. Manifold Pressure Before Brake Release.
2. Mixtures - CHECK Fuel Flows In the White Arc.
3. Wing Flaps - UP.
4. Level, Hard Surface, Dry Runway.

NOTES:

1. If full power is applied without brakes set, distances apply from point where full power is applied.
2. Decrease distance 7% for each 10 knots headwind.
3. Increase distance 4% for each 2 knots tailwind.

WEIGHT- POUNDS	TAKEOFF TO 50- FOOT OBSTACLE SPEED- KIAS	PRESSURE ALTITUDE- FEET	-20°C (-4°F)		-10°C (14°F)		0°C (32°F)		10°C (50°F)	
			GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET	GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET	GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET	GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET
7450	100	Sea Level	1280	1610	1410	1780	1550	1980	1710	2200
		1000	1360	1710	1500	1890	1650	2100	1810	2340
		2000	1450	1810	1590	2000	1750	2220	1930	2490
		3000	1540	1920	1690	2120	1860	2360	2050	2650
		4000	1630	2030	1800	2260	1980	2520	2190	2830
		5000	1740	2160	1920	2400	2110	2680	2330	3020
		6000	1850	2300	2040	2560	2250	2860	2490	3230
		7000	1970	2440	2180	2720	2400	3060	2650	3460
		8000	2110	2610	2320	2910	2570	3270	2840	3720
		9000	2250	2780	2480	3110	2740	3510	3030	4010
		10,000	2410	2970	2660	3330	2930	3770	3250	4330
6800	96	Sea Level	1010	1280	1110	1410	1220	1550	1370	1750
		1000	1070	1350	1180	1490	1330	1670	1460	1850
		2000	1140	1430	1280	1610	1410	1770	1550	1970
		3000	1240	1540	1360	1700	1500	1880	1650	2090
		4000	1320	1630	1450	1800	1590	2000	1750	2220
		5000	1400	1730	1540	1910	1690	2120	1870	2360
		6000	1490	1840	1640	2030	1800	2260	1990	2520
		7000	1590	1950	1750	2160	1920	2400	2120	2690
		8000	1700	2080	1870	2300	2050	2560	2270	2880
		9000	1810	2210	1990	2460	2190	2740	2420	3080
		10,000	1930	2360	2130	2620	2350	2930	2590	3300
6200	91	Sea Level	810	1030	890	1130	980	1240	1070	1370
		1000	860	1090	950	1200	1040	1320	1140	1450
		2000	920	1150	1010	1270	1100	1390	1240	1570
		3000	980	1220	1070	1340	1200	1500	1320	1660
		4000	1040	1290	1160	1450	1280	1590	1400	1760
		5000	1130	1390	1240	1530	1360	1690	1490	1870
		6000	1200	1480	1320	1630	1450	1800	1590	1990
		7000	1280	1570	1400	1730	1540	1910	1690	2120
		8000	1360	1670	1500	1840	1640	2030	1810	2260
		9000	1450	1770	1600	1960	1750	2170	1930	2410
		10,000	1550	1890	1700	2080	1870	2310	2060	2570
5600	86	Sea Level	640	820	700	900	770	980	840	1080
		1000	680	860	750	950	820	1040	890	1140
		2000	720	910	790	1000	870	1100	950	1210
		3000	770	970	840	1060	920	1160	1010	1280
		4000	820	1020	900	1120	980	1230	1070	1360
		5000	870	1080	950	1190	1040	1310	1170	1460
		6000	930	1150	1020	1260	1130	1410	1240	1550
		7000	990	1220	1100	1360	1210	1500	1320	1650
		8000	1070	1310	1170	1440	1290	1590	1410	1750
		9000	1140	1400	1250	1530	1370	1690	1510	1870
		10,000	1220	1480	1340	1630	1470	1800	1610	1990

Figure 5-10 (Sheet 1 of 2)

NORMAL TAKEOFF DISTANCE

CONDITIONS:

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2. Mixtures - CHECK Fuel Flows In the White Arc.
3. Wing Flaps - UP.
4. Level, Hard Surface, Dry Runway.

NOTES:

1. If full power is applied without brakes set, distances apply from point where full power is applied.
2. Decrease distance 7% for each 10 knots headwind.
3. Increase distance 4% for each 2 knots tailwind.

WEIGHT- POUNDS	TAKEOFF TO 50- FOOT OBSTACLE SPEED- KIAS	PRESSURE ALTITUDE- FEET	20°C (68°F)		30°C (86°F)		40°C (104°F)	
			GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET	GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET	GROUND ROLL - FEET	TOTAL DISTANCE TO CLEAR 50 FEET
7450	100	Sea Level	1880	2470	2080	2800	2300	3230
		1000	2000	2630	2210	3000	2450	3490
		2000	2130	2810	2360	3210	2620	3780
		3000	2270	3000	2510	3450	2790	4110
		4000	2420	3210	2680	3720	2980	4500
		5000	2580	3450	2860	4030	3190	4970
		6000	2750	3710	3060	4380	3410	5570
		7000	2940	4000	3270	4800	3650	6380
		8000	3150	4330	3500	5290	3910	7570
		9000	3370	4710	3750	5910	4200	9690
		10,000	3610	5160	4020	6730	4510	15,290
6800	96	Sea Level	1510	1940	1660	2180	1840	2460
		1000	1600	2060	1770	2320	1950	2630
		2000	1700	2190	1880	2470	2080	2820
		3000	1810	2340	2000	2640	2220	3020
		4000	1930	2490	2130	2820	2370	3250
		5000	2060	2660	2280	3020	2530	3500
		6000	2190	2840	2430	3240	2700	3790
		7000	2340	3040	2600	3490	2890	4130
		8000	2500	3260	2780	3760	3090	4520
		9000	2680	3500	2970	4080	3310	4990
		10,000	2870	3770	3180	4430	3550	5570
6200	91	Sea Level	1180	1520	1300	1690	1460	1920
		1000	1280	1640	1410	1820	1550	2040
		2000	1360	1740	1500	1930	1650	2170
		3000	1450	1840	1590	2060	1760	2320
		4000	1540	1960	1700	2190	1880	2480
		5000	1640	2080	1810	2340	2000	2650
		6000	1750	2220	1930	2490	2140	2840
		7000	1860	2370	2060	2670	2280	3050
		8000	1990	2530	2200	2860	2440	3290
		9000	2130	2700	2350	3060	2610	3550
		10,000	2270	2890	2510	3300	2790	3850
5600	86	Sea Level	920	1190	1010	1310	1110	1460
		1000	980	1260	1080	1390	1190	1550
		2000	1040	1330	1140	1470	1290	1670
		3000	1110	1410	1240	1590	1370	1780
		4000	1210	1520	1320	1690	1460	1890
		5000	1280	1620	1410	1800	1550	2010
		6000	1360	1720	1500	1910	1660	2150
		7000	1450	1830	1600	2040	1770	2290
		8000	1550	1950	1710	2170	1890	2450
		9000	1650	2070	1820	2320	2010	2630
		10,000	1770	2210	1950	2480	2150	2820

Figure 5-10 (Sheet 2 of 2)

RATE-OF-CLIMB - CRUISE CLIMB

CONDITIONS:

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|---------------------------------|--------------------------------------|
| 1. 1900 RPM and 32.5 inches Hg. | 4. Airspeed - 120 KIAS. |
| 2. Landing Gear - UP. | 5. Mixtures - Recommended Fuel Flow. |
| 3. Wing Flaps - UP. | |

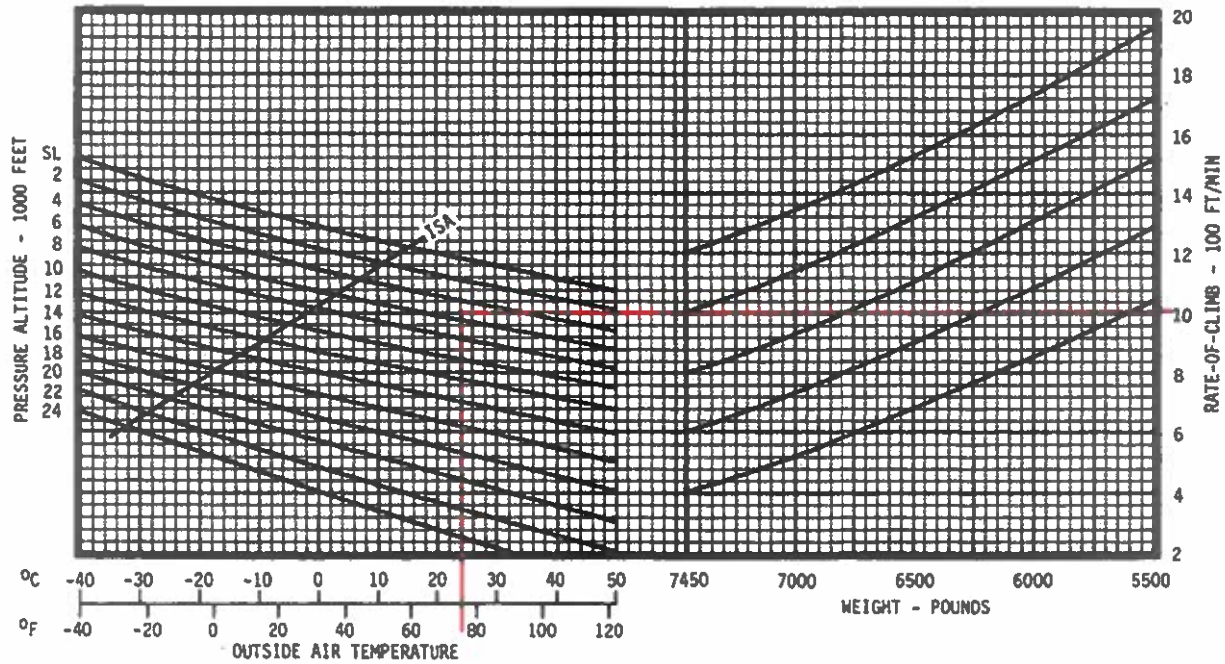


Figure 5-14