

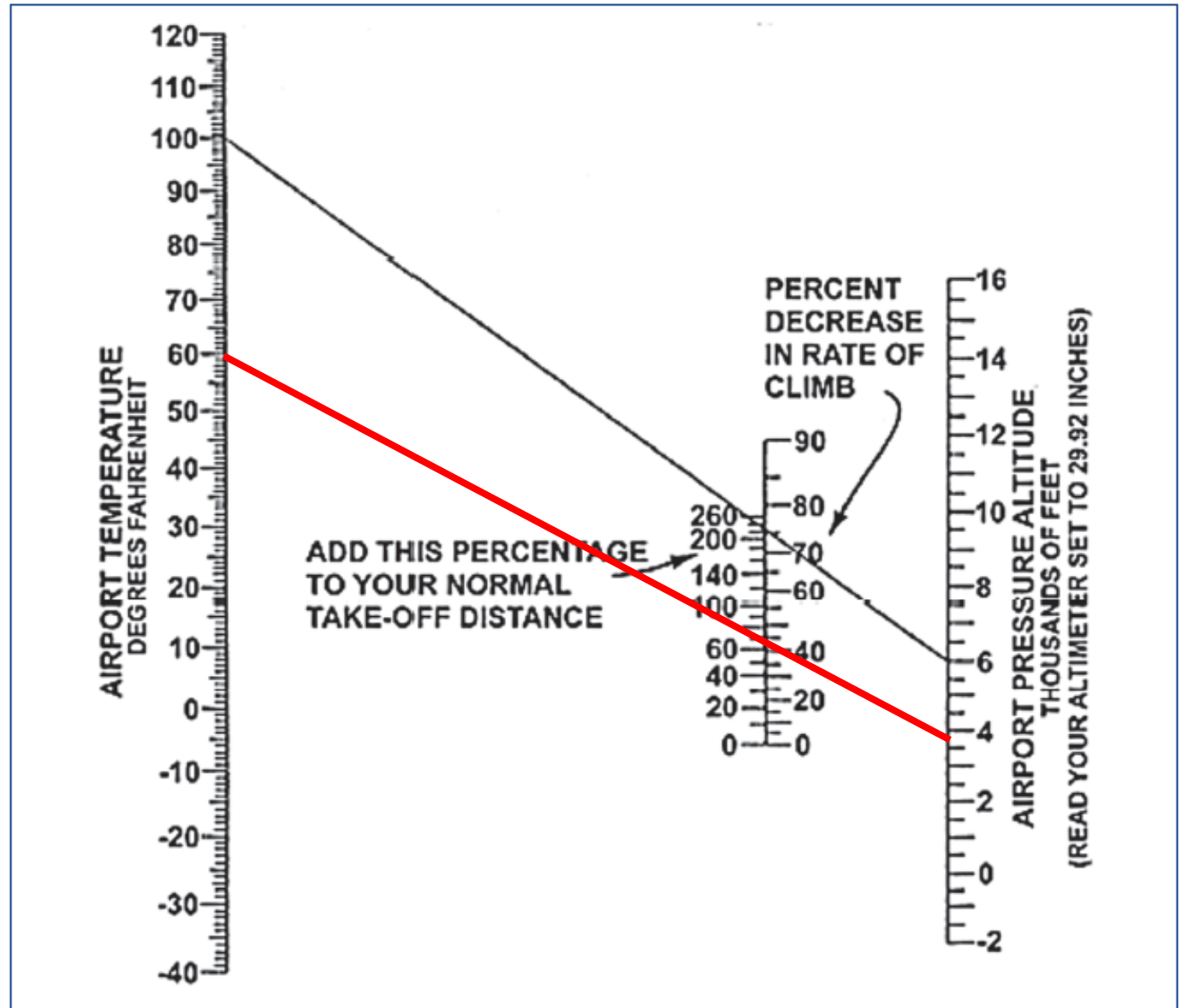
FAA KOCH CHART
FAA-P-8740-2 • AFS-8 (2008)

+60% to normal takeoff distance.

Pressure Altitude = 3,751 ft.

Airport Elevation – 3,965 ft.

Temperature – 15° C



TAKE-OFF DISTANCE – HARD SURFACE

ASSOCIATED CONDITIONS:

POWER FULL THROTTLE
MIXTURE LEAN TO MAXIMUM RPM, THEN ENRICH SLIGHTLY
FLAPS UP
RUNWAY LEVEL, DRY, HARD SURFACE
WEIGHT 2450 LBS

TAKE-OFF SPEEDS:

LIFT OFF 65 KTS 75 MPH
AT 50 FT 74 KTS 85 MPH

WIND COMPONENT DOWN RUNWAY KNOTS	SEA LEVEL				2000 FT				4000 FT				6000 FT				8000 FT			
	OAT °F °C	GROUND ROLL FEET	TOTAL OVER 50 FT OBSTACLE FEET		OAT °F °C	GROUND ROLL FEET	TOTAL OVER 50 FT OBSTACLE FEET		OAT °F °C	GROUND ROLL FEET	TOTAL OVER 50 FT OBSTACLE FEET		OAT °F °C	GROUND ROLL FEET	TOTAL OVER 50 FT OBSTACLE FEET		OAT °F °C	GROUND ROLL FEET	TOTAL OVER 50 FT OBSTACLE FEET	
0	23 -5	917	1592		16 -9	1048	1805		9 -13	1195	2051		2 -17	1368	2334		-6 -21	1569	2862	
	41 5	1020	1767		34 1	1165	2007		27 -3	1333	2284		20 -7	1528	2604		13 -11	1756	2975	
	59 15	1130	1955		52 11	1293	2224		45 7	1481	2535		38 3	1701	2894		31 -1	1957	3311	
	77 25	1248	2155		70 21	1429	2455		63 17	1640	2802		56 13	1856	3204		49 9	2173	3671	
	95 35	1373	2369		88 31	1575	2701		81 27	1809	3087		74 23	2083	3535		67 19	2404	4055	
15	23 -5	728	1454		16 -9	836	1853		9 -13	961	1883		2 -17	1108	2149		-6 -21	1279	2456	
	41 5	813	1618		34 1	935	1842		27 -3	1077	2102		20 -7	1243	2402		13 -11	1438	2750	
	59 15	904	1793		52 11	1042	2045		45 7	1202	2336		38 3	1389	2674		31 -1	1609	3067	
	77 25	1003	1980		70 21	1156	2261		63 17	1336	2587		56 13	1546	2965		49 9	1793	3406	
	95 35	1107	2180		88 31	1279	2492		81 27	1479	2855		74 23	1714	3277		67 19	1990	3768	
30	23 -5	558	1337		16 -9	647	1523		9 -13	751	1739		2 -17	873	1988		-6 -21	1017	2278	
	41 5	628	1480		34 1	728	1700		27 -3	847	1944		20 -7	985	2227		13 -11	1149	2555	
	59 15	702	1654		52 11	816	1890		45 7	949	2164		38 3	1107	2483		31 -1	1292	2854	
	77 25	782	1829		70 21	910	2094		63 17	1060	2401		56 13	1237	2758		49 9	1446	3174	
	95 35	868	2017		88 31	1011	2311		81 27	1180	2653		74 23	1378	3052		67 19	1613	3518	

+60% to normal
takeoff distance

February 1979

Airport Elevation – 3,965 ft.

Temperature – 15° C

Wind – 160° at 3 knots (Source = Pilot)

Results (+60%)
Ground roll - 1,808 ft.
Total over 50 ft. obstacle - 3,128 ft.



Obstacles located at end of runway.