

LANDING DISTANCE - FEET ACTUAL DISTANCE SEA LEVEL

CONDITIONS: Landing Gear - DOWN
Wing Flaps - LAND
Speed Brakes - EXTEND AFTER TOUCHDOWN

Anti-Ice Systems - ON or OFF
Thrust - IDLE
Airspeed - V_{REF} at 50 FEET

Some conditions may be brake energy limited. Refer to Figures 4-27 and 4-28 for allowable landing weights.

WEIGHT = 11000 LBS VREF = 101 KIAS VAPP = 108 KIAS						WEIGHT = 10000 LBS VREF = 97 KIAS VAPP = 104 KIAS					
TEMP DEG C	TAILWIND 10 KTS	ZERO WIND	HEADWINDS			TEMP DEG C	TAILWIND 10 KTS	ZERO WIND	HEADWINDS		
			10 KTS	20 KTS	30 KTS				10 KTS	20 KTS	30 KTS
-25	2390	1970	1840	1720	1610	-25	2300	1880	1760	1640	1530
-20	2410	1980	1860	1740	1630	-20	2320	1900	1780	1660	1550
-15	2420	2000	1880	1760	1650	-15	2340	1920	1790	1670	1560
-10	2440	2020	1890	1780	1660	-10	2350	1930	1810	1690	1580
-5	2460	2040	1910	1790	1680	-5	2370	1950	1820	1710	1590
0	2480	2060	1930	1810	1700	0	2380	1960	1840	1720	1610
5	2500	2070	1950	1830	1710	5	2400	1980	1850	1740	1620
10	2510	2090	1970	1840	1730	10	2420	2000	1870	1750	1640
15	2530	2110	1980	1860	1750	15	2430	2010	1890	1770	1660
20	2550	2130	2000	1880	1760	20	2450	2030	1900	1780	1670
25	2570	2150	2020	1900	1780	25	2460	2040	1920	1800	1690
30	2590	2160	2040	1910	1800	30	2480	2060	1940	1820	1700
35	2600	2180	2050	1930	1820	35	2500	2080	1950	1830	1720
40	2620	2200	2070	1950	1830	40	2510	2090	1970	1850	1730
45	2640	2220	2090	1970	1850	45	2530	2110	1980	1860	1750
50	2660	2230	2100	1980	1860	50	2540	2120	1990	1870	1760
54	2680	2230	2100	1980	1860	54	2530	2120	1990	1870	1760

WEIGHT = 9000 LBS VREF = 92 KIAS VAPP = 99 KIAS						WEIGHT = 8000 LBS VREF = 87 KIAS VAPP = 93 KIAS					
TEMP DEG C	TAILWIND 10 KTS	ZERO WIND	HEADWINDS			TEMP DEG C	TAILWIND 10 KTS	ZERO WIND	HEADWINDS		
			10 KTS	20 KTS	30 KTS				10 KTS	20 KTS	30 KTS
-25	2220	1800	1680	1560	1450	-25	2140	1710	1590	1480	1370
-20	2230	1810	1690	1580	1470	-20	2150	1730	1600	1490	1380
-15	2250	1830	1700	1590	1480	-15	2160	1740	1620	1500	1390
-10	2260	1840	1720	1600	1490	-10	2170	1750	1630	1510	1410
-5	2280	1860	1730	1620	1510	-5	2180	1760	1640	1530	1420
0	2290	1870	1750	1630	1520	0	2190	1780	1650	1540	1430
5	2300	1890	1760	1640	1530	5	2210	1790	1670	1550	1440
10	2320	1900	1780	1660	1550	10	2220	1800	1680	1560	1450
15	2330	1910	1790	1670	1560	15	2230	1810	1690	1580	1470
20	2350	1930	1800	1690	1580	20	2240	1830	1700	1590	1480
25	2360	1940	1820	1700	1590	25	2260	1840	1720	1600	1490
30	2380	1960	1830	1720	1600	30	2270	1850	1730	1610	1500
35	2390	1970	1850	1730	1620	35	2280	1860	1740	1620	1520
40	2400	1990	1860	1740	1630	40	2290	1880	1750	1640	1530
45	2420	2000	1880	1760	1650	45	2300	1890	1770	1650	1540
50	2420	2010	1880	1770	1650	50	2310	1890	1770	1660	1550
54	2420	2000	1880	1760	1650	54	2290	1890	1770	1650	1540

To obtain landing distance with a runway gradient, refer to factors on page 4-180.

Figure 4-29 (Sheet 2 of 30)