Appendix Five

AC 150/5325-4B Runway

Length Curves

MASTER PLAN UPDATE





7/1/2005 AC 150/5325-4B

Figure 2-1. Small Airplanes with Fewer than 10 Passenger Seats (Excludes Pilot and Co-pilot)

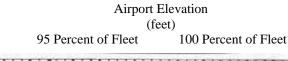
Example:

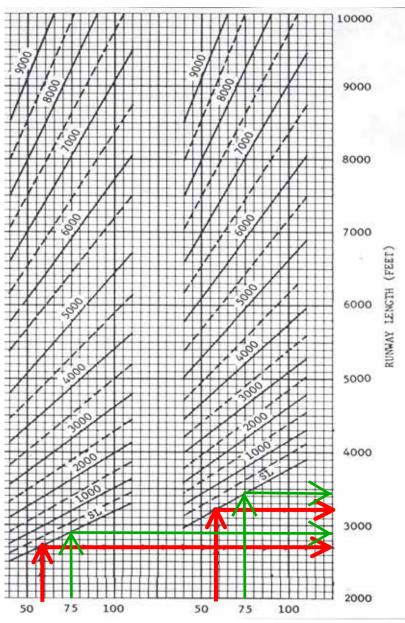
Temperature (mean day max hot month): 59° F (15° C) Airport Elevation: Mean Sea Level

Note: Dashed lines shown in the table are mid values of adjacent solid lines.

Recommended Runway Length:

For 95% = 2,700 feet (823 m) For 100% = 3,200 feet (975 m)





 $\label{eq:mean_point} \begin{tabular}{ll} Mean Daily Maximum Temperature of the Hottest Month of Year \\ (Degrees F) \end{tabular}$

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Figure 2-2. Small Airplanes Having 10 or More Passenger Seats (Excludes Pilot and Co-pilot)

Representative Airplanes	Runway Length Curves
Raytheon B80 Queen Air Raytheon E90 King Air Raytheon B99 Airliner Raytheon A100 King Air (Raytheon formerly Beech Aircraft)	Example: Temperature (mean day max hot month) 90° F (32° C) Airport Elevation (msl) 1,000 feet (328 m) Recommended Runway Length 4,400 feet (1,341 m) Note: For airport elevations above 3,000 feet (915 m), use the 100 percent of fleet grouping in figure 2-1.
Britten-Norman Mark III-I Trilander Mitsubishi MU-2L	6000
Swearigen Merlin III-A Swearigen Merlin IV-A Swearigen Metro II	Airport Flevation (FT) 4000 Airport August 1
	30 40 50 60 70 80 90 100 110 120
	Mean Daily Maximum Temperature of the Hottest Month of the Year
	(Degrees F)