
***APPENDIX F – FAA AIRPORT DESIGN COMPUTER PROGRAM –
RUNWAY LENGTH***

DLZ 500.TXT
AIRPORT AND RUNWAY DATA

Airport elevation	945 feet
Mean daily maximum temperature of the hottest month	84.00 F.
Maximum difference in runway centerline elevation	1 feet
Length of haul for airplanes of more than 60,000 pounds	500 miles

wet and slippery runways

RUNWAY LENGTHS RECOMMENDED FOR AIRPORT DESIGN

Small airplanes with approach speeds of less than 30 knots	330 feet
Small airplanes with approach speeds of less than 50 knots	880 feet
Small airplanes with less than 10 passenger seats	
75 percent of these small airplanes	2770 feet
95 percent of these small airplanes	3290 feet
100 percent of these small airplanes	3900 feet
Small airplanes with 10 or more passenger seats	4340 feet
Large airplanes of 60,000 pounds or less	
75 percent of these large airplanes at 60 percent useful load	5460 feet
75 percent of these large airplanes at 90 percent useful load	7000 feet
100 percent of these large airplanes at 60 percent useful load	5500 feet
100 percent of these large airplanes at 90 percent useful load	8200 feet
Airplanes of more than 60,000 pounds	Approximately 5340 feet

REFERENCE: Chapter 2 of AC 150/5325-4A, Runway Length Requirements for Airport Design, no Changes included.

DLZ 1000.TXT
AIRPORT AND RUNWAY DATA

Airport elevation	945 feet
Mean daily maximum temperature of the hottest month	84.00 F.
Maximum difference in runway centerline elevation	1 feet
Length of haul for airplanes of more than 60,000 pounds	1000 miles

wet and slippery runways

RUNWAY LENGTHS RECOMMENDED FOR AIRPORT DESIGN

Small airplanes with approach speeds of less than 30 knots . . .	330 feet
Small airplanes with approach speeds of less than 50 knots . . .	880 feet
Small airplanes with less than 10 passenger seats	
75 percent of these small airplanes	2770 feet
95 percent of these small airplanes	3290 feet
100 percent of these small airplanes	3900 feet
Small airplanes with 10 or more passenger seats	4340 feet
Large airplanes of 60,000 pounds or less	
75 percent of these large airplanes at 60 percent useful load	5460 feet
75 percent of these large airplanes at 90 percent useful load	7000 feet
100 percent of these large airplanes at 60 percent useful load	5500 feet
100 percent of these large airplanes at 90 percent useful load	8200 feet
Airplanes of more than 60,000 pounds	Approximately 6340 feet

REFERENCE: Chapter 2 of AC 150/5325-4A, Runway Length Requirements for Airport Design, no Changes included.