

5.13 - LANDING DISTANCES

(Refer to Supplement 41 for TBM 700C2 airplane)

WEIGHT : 6250 lbs (2835 kg)

- Associated conditions:
- Landing gear DN and flaps LDG
 - Approach speed IAS = 80 KIAS
 - Touch-down speed IAS = 65 KIAS
 - Maximum braking without reverse
 - Hard, dry and level runway
 - GR = Ground roll (in ft)
 - D₅₀ = Landing distance (clear to 50 ft) (in ft)

PRESSURE ALTITUDE ft	ISA - 35°C		ISA - 20°C		ISA - 10°C		ISA	
	GR	D50	GR	D50	GR	D50	GR	D50
0	1050	1900	1115	2000	1180	2070	1215	2135
2000	1115	2000	1215	2100	1245	2200	1310	2265
4000	1180	2100	1280	2230	1345	2330	1410	2395
6000	1280	2230	1380	2360	1445	2460	1510	2525
8000	1380	2360	1475	2490	1540	2590	1610	2690
PRESSURE ALTITUDE ft	ISA + 10°C		ISA + 20°C		ISA + 30°C		ISA + 37°C	
	GR	D50	GR	D50	GR	D50	GR	D50
0	1280	2200	1310	2300	1380	2360	1445	2430
2000	1345	2330	1410	2430	1475	2495	1540	2560
4000	1445	2460	1510	2560	1575	2655	1640	2755
6000	1575	2645	1640	2720	1705	2820	1770	2920
8000	1705	2790	1770	2885	1835	2985	1900	3085

Figure 5.13.1 - LANDING DISTANCES - 6250 lbs (2835 kg)

- Corrections :
- Reduce total distances of 10 % every 10 kt of headwind
 - Increase total distances of 30 % every 10 kt of tail-wind

Other runway surfaces require the following correction factors :

- Increase by :
- | | | | |
|------|----------------|------|--------------------|
| 7 % | on hard grass | 25 % | on high grass |
| 10 % | on short grass | 30 % | on slippery runway |
| 15 % | on wet runway | | |