

Conditions	Flaps 10° Full throttle prior to brake release Paved level runway Zero wind			TAKEOFF DISTANCE MAXIMUM WEIGHT 2,400 LB SHORT FIELD									
	Notes 1. Prior to takeoff from fields above 3,000 feet elevation, the mixture should be leaned to give maximum rpm in a full throttle, static runup. 2. Decrease distances 10% for each 9 knots headwind. For operation with tailwind up to 10 knots, increase distances by 10% for each 2 knots. 3. For operation on a dry, grass runway, increase distances by 15% of the "ground roll" figure.												
Weight (lb)	Takeoff speed KIAS		Press ALT (ft)	0 °C		10 °C		20 °C		30 °C		40 °C	
	Lift off	AT 50 ft		Grnd roll (ft)	Total feet to clear 50 ft OBS	Grnd roll (ft)	Total feet to clear 50 ft OBS	Grnd roll (ft)	Total feet to clear 50 ft OBS	Grnd roll (ft)	Total feet to clear 50 ft OBS	Grnd roll (ft)	Total feet to clear 50 ft OBS
2,400	51	56	S.L.	795	1,460	860	1,570	925	1,685	995	1,810	1,065	1,945
1,000			875	1,605	940	1,725	1,015	1,860	1,090	2,000	1,170	2,155	
2,000			960	1,770	1,035	1,910	1,115	2,060	1,200	2,220	1,290	2,395	
3,000			1,055	1,960	1,140	2,120	1,230	2,295	1,325	2,480	1,425	2,685	
4,000			1,165	2,185	1,260	2,365	1,355	2,570	1,465	2,790	1,575	3,030	
5,000			1,285	2,445	1,390	2,660	1,500	2,895	1,620	3,160	1,745	3,455	
6,000			1,425	2,755	1,540	3,015	1,665	3,300	1,800	3,620	1,940	3,990	
7,000			1,580	3,140	1,710	3,450	1,850	3,805	2,000	4,220	---	---	
8,000			1,755	3,615	1,905	4,015	2,060	4,480	---	---	---	---	
2,200	49	54	S.L.	650	1,195	700	1,280	750	1,375	805	1,470	865	1,575
1,000			710	1,310	765	1,405	825	1,510	885	1,615	950	1,735	
2,000			780	1,440	840	1,545	905	1,660	975	1,785	1,045	1,915	
3,000			855	1,585	925	1,705	995	1,835	1,070	1,975	1,150	2,130	
4,000			945	1,750	1,020	1,890	1,100	2,040	1,180	2,200	1,270	2,375	
5,000			1,040	1,945	1,125	2,105	1,210	2,275	1,305	2,465	1,405	2,665	
6,000			1,150	2,170	1,240	2,355	1,340	2,555	1,445	2,775	1,555	3,020	
7,000			1,270	2,440	1,375	2,655	1,485	2,890	1,605	3,155	1,730	3,450	
8,000			1,410	2,760	1,525	3,015	1,650	3,305	1,785	3,630	1,925	4,005	
2,000	46	51	S.L.	525	970	565	1,035	605	1,110	650	1,185	695	1,265
1,000			570	1,060	615	1,135	665	1,215	710	1,295	765	1,385	
2,000			625	1,160	675	1,240	725	1,330	780	1,425	840	1,525	
3,000			690	1,270	740	1,365	800	1,465	860	1,570	920	1,685	
4,000			755	1,400	815	1,500	880	1,615	945	1,735	1,015	1,865	
5,000			830	1,545	900	1,660	970	1,790	2,145	1,925	1,120	2,070	
6,000			920	1,710	990	1,845	1,070	1,990	2,405	2,145	1,235	2,315	
7,000			1,015	1,900	1,095	2,055	1,180	2,225	2,715	2,405	1,370	2,605	
8,000			1,125	2,125	1,215	2,305	1,310	2,500	1,410	2,715	1,520	2,950	

Figure 11-24. Takeoff distance short field charts.