

SHORT FIELD TAKEOFF DISTANCE AT 3600 POUNDS

CONDITIONS:

Flaps 20°
2500 RPM, 39 inches Hg. and Mixture set at 34 GPH
Prior to Brake Release

Cowl Flaps Open
Paved, level, dry runway

Zero Wind

Lift Off: 64 KIAS

Speed at 50 Ft: 74 KIAS

Press Alt In Feet	0°C		10°C		20°C		30°C		40°C	
	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst
S. L.	825	1575	885	1685	945	1800	1015	1920	1085	2050
1000	875	1665	940	1785	1010	1905	1080	2035	1155	2170
2000	935	1765	1005	1890	1075	2020	1150	2160	1230	2305
3000	1000	1870	1070	2005	1150	2145	1230	2290	1315	2445
4000	1065	1985	1145	2125	1225	2275	1310	2430	1400	2595
5000	1135	2105	1220	2255	1310	2415	1400	2580	1500	2765
6000	1215	2235	1305	2395	1405	2570	1505	2760	1615	2955
7000	1300	2380	1405	2560	1510	2750	1620	2950	1735	3160
8000	1400	2545	1510	2735	1625	2940	1740	3155	1865	3380

NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances by 10% for each 2.5 knots.
3. For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

Figure 5-6. Short Field Takeoff Distance (Sheet 1 of 3)

SECTION 5
PERFORMANCE

CESSNA
MODEL T206

SHORT FIELD TAKEOFF DISTANCE AT 3300 POUNDS

CONDITIONS:

Flaps 20°

2500 RPM, 39 inches Hg. and Mixture set at 34 GPH

Prior to Brake Release

Cowl Flaps Open

Paved, level, dry runway

Zero Wind

Lift Off: 61 KIAS

Speed at 50 Ft: 71 KIAS

Press Alt In Feet	0°C		10°C		20°C		30°C		40°C	
	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst
S. L.	675	1320	725	1410	775	1505	830	1600	885	1705
1000	720	1395	770	1490	825	1590	885	1695	945	1805
2000	765	1475	825	1580	880	1685	945	1795	1010	1915
3000	820	1565	880	1670	940	1785	1005	1905	1075	2030
4000	875	1655	935	1770	1005	1895	1075	2020	1145	2150
5000	930	1755	1000	1880	1070	2005	1145	2140	1225	2290
6000	995	1865	1070	1995	1150	2135	1230	2285	1320	2445
7000	1065	1985	1150	2130	1235	2280	1325	2440	1420	2610
8000	1145	2115	1235	2270	1325	2435	1425	2605	1525	2785

NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances by 10% for each 2.5 knots.
3. For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

Figure 5-6. Short Field Takeoff Distance (Sheet 2)

CESSNA
MODEL T206H

CESSNA
MODEL T206H

SECTION 5 PERFORMANCE

SHORT FIELD TAKEOFF DISTANCE AT 3000 POUNDS

CONDITIONS:

Flaps 20°
2500 RPM, 39 inches Hg. and Mixture set at 34 GPH
Prior to Brake Release

Cowl Flaps Open
Paved, level, dry runway
Zero Wind
Lift Off: 57 KIAS
Speed at 50 Ft: 67 KIAS

0°C	0°C		10°C		20°C		30°C		40°C		
Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	
1705	S. L.	545	1100	585	1175	625	1250	670	1330	715	1410
1805	1000	580	1160	625	1240	665	1320	715	1405	760	1490
1915	2000	620	1230	665	1310	710	1395	760	1485	810	1580
2030	3000	660	1300	710	1385	760	1475	810	1570	865	1675
2150	4000	705	1375	755	1465	810	1565	865	1665	925	1770
2290	5000	750	1455	805	1555	865	1655	925	1765	990	1885
2445	6000	805	1540	860	1645	925	1760	995	1880	1060	2010
2610	7000	860	1640	925	1755	995	1880	1065	2005	1140	2140
2785	8000	925	1745	995	1870	1070	2005	1145	2140	1225	2280

NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances by 10% for each 2.5 knots.
3. For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

Figure 5-6. Short Field Takeoff Distance (Sheet 3)

MAXIMUM RATE-OF-CLIMB

CONDITIONS:

Flaps Up
2500 RPM
Cowl Flaps Open

PRESS ALT	MP	GPH
S.L. to 17,000	39	34
18,000	37	30.5
20,000	35	28.5
22,000	33	26.5
24,000	31	24.5

WEIGHT LBS	PRESS ALT FT	CLIMB SPEED KIAS	RATE OF CLIMB - FPM			
			-20°C	0°C	20°C	40°C
3600	S.L.	87	1305	1160	1015	865
	2000	87	1235	1090	945	795
	4000	87	1170	1025	880	730
	6000	87	1100	955	810	660
	8000	87	1030	890	745	600
	10,000	87	970	825	685	545
	12,000	87	900	760	625	485
	14,000	87	830	695	560	430
	16,000	87	765	635	510	385
	20,000	81	515	400	285	175
	24,000	79	230	120	---	---
3300	S.L.	85	1485	1330	1180	1025
	2000	85	1410	1260	1105	950
	4000	85	1340	1190	1040	885
	6000	85	1265	1120	970	815
	8000	85	1195	1050	900	750
	10,000	85	1130	985	840	695
	12,000	85	1060	915	775	635
	14,000	85	990	850	715	580
	16,000	85	925	790	660	530
	20,000	79	670	550	435	325
	24,000	77	370	260	155	---
3000	S.L.	83	1695	1530	1370	1205
	2000	83	1615	1455	1290	1130
	4000	83	1540	1385	1225	1060
	6000	83	1460	1310	1155	990
	8000	83	1385	1235	1085	925
	10,000	83	1315	1170	1015	865
	12,000	83	1240	1095	950	805
	14,000	83	1170	1030	890	750
	16,000	83	1105	970	835	700
	20,000	77	840	720	605	485
	24,000	75	525	415	310	210

Figure 5-7. Maximum Rate of Climb

SHORT FIELD LANDING DISTANCE AT 3600 POUNDS

CONDITIONS:

Flaps 40°
Power Off
Maximum Braking
Paved, level, dry runway
Zero Wind
Speed at 50 Ft: 64 KIAS

Press Alt In Feet	0°C		10°C		20°C		30°C		40°C	
	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst	Grnd Roll Ft	Total Ft To Clear 50 Ft Obst
S. L.	695	1340	720	1375	750	1415	775	1450	800	1490
1000	720	1375	750	1415	775	1450	800	1490	830	1530
2000	750	1415	775	1455	805	1495	830	1530	860	1575
3000	775	1455	805	1495	835	1540	865	1580	890	1615
4000	805	1495	835	1540	865	1580	895	1625	925	1665
5000	835	1540	870	1585	900	1630	930	1675	960	1715
6000	870	1590	900	1630	935	1680	965	1725	995	1770
7000	905	1635	935	1680	970	1730	1000	1775	1035	1825
8000	940	1690	970	1730	1005	1780	1040	1830	1075	1880

NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 10 knots headwind. For operation with tail winds up to 10 knots, increase distances by 10% for each 2.5 knots.
3. For operation on dry, grass runway, increase distances by 40% of the "ground roll" figure.
4. If a landing with flaps up is necessary, increase the approach speed by 9 KIAS and allow for 45% longer distances.

Figure 5-12. Landing Distance