

LANDING (Continued)

SHORT FIELD LANDING

For short field landings, make a power approach at 78 KIAS with the PROP RPM lever at MAX (full forward) and with FLAPS LAND. After all approach obstacles are cleared, reduce power to idle. Maintain 78 KIAS approach speed by lowering the nose of the airplane. Touchdown should be made with the POWER lever at IDLE, and on the main wheels first. Immediately after touchdown, lower the nose gear, reposition the POWER lever against the spring in the BETA range, and apply heavy braking as required.

For maximum brake effectiveness after all three wheels are on the ground, hold full nose up elevator and apply maximum possible brake pressure without sliding the tires.

CAUTION

To minimize propeller blade erosion or possible propeller blade damage, reverse thrust should be used only when necessary to shorten the ground roll. Bringing the propeller out of reverse before decelerating through approximately 25 knots will minimize propeller erosion.

CARGO POD INSTALLED SHORT FIELD LANDING DISTANCE

NOTE

The following general information is applicable to all SHORT FIELD LANDING DISTANCE Charts.

1. Use short field landing technique as specified in Section 4.
2. Decrease distances by 10% for each 11 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 40% of the "Ground Roll" figure.
4. If a landing with flaps UP is necessary, increase the approach speed by 15 KIAS and allow for 40% longer distances.
5. Use of maximum reverse thrust after touchdown reduces ground roll distance by approximately 10%.
6. Where distance values have been replaced by dashes, operating temperature limits of the airplane would be greatly exceeded. Those distances which are included but the operation slightly exceeds the temperature limit are provided for interpolation purposes only.

Figure 5-26 (Sheet 1 of 5)

CARGO POD INSTALLED SHORT FIELD LANDING DISTANCE

CONDITIONS:

Flaps **FULL**

Zero Wind

Maximum Braking

PROP RPM Lever **MAX**

Paved, Level, Dry Runway

Refer to Sheet 1 for appropriate notes applicable to this chart.

POWER Lever **IDLE** after clearing
obstacles. **BETA** range (lever
against spring) after touchdown.

8000 Pounds: Speed at 50 Feet: 75 KIAS

Pressure Altitude Feet	-10°C		0°C		10°C	
	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst
Sea Level	865	1640	895	1685	930	1730
2000	930	1730	965	1780	1000	1830
4000	1000	1830	1035	1885	1075	1935
6000	1075	1940	1115	1995	1160	2050
8000	1160	2055	1205	2115	1250	2175
10,000	1255	2180	1300	2245	1350	2310
12,000	1355	2320	1405	2385	1460	2455

Pressure Altitude Feet	20°C		30°C		40°C	
	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst
Sea Level	960	1780	995	1825	1025	1870
2000	1035	1880	1070	1930	1105	1975
4000	1110	1990	1150	2040	1190	2095
6000	1200	2105	1240	2160	1280	2220
8000	1295	2235	1335	2295	---	---
10,000	1395	2375	1445	2435	---	---
12,000	1510	2525	---	---	---	---

Figure 5-26 (Sheet 3)

Short Field Landing Distance at 8,000 lbs.

**CARGO POD INSTALLED
SHORT FIELD LANDING DISTANCE**

CONDITIONS:

Flaps **FULL**

Zero Wind

Maximum Braking

PROP RPM Lever **MAX**

Paved, Level, Dry Runway

Refer to Sheet 1 for appropriate notes applicable to this chart.

POWER Lever **IDLE** after clearing
obstacles. **BETA** range (lever
against spring) after touchdown.

8500 Pounds:

Speed at 50 Feet:

78 KIAS

Pressure Altitude Feet	-10°C		0°C		10°C	
	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst
Sea Level	915	1715	950	1765	985	1810
2000	985	1810	1025	1865	1060	1915
4000	1060	1915	1100	1970	1140	2025
6000	1145	2030	1185	2090	1230	2150
8000	1235	2150	1280	2215	1325	2280
10,000	1330	2285	1380	2355	1435	2420
12,000	1440	2430	1495	2500	1550	2575

Pressure Altitude Feet	20°C		30°C		40°C	
	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst	Grnd Roll Feet	Total Dist To Clear 50 Foot Obst
Sea Level	1020	1860	1055	1910	1090	1955
2000	1100	1965	1135	2020	1175	2070
4000	1180	2080	1225	2135	1265	2190
6000	1275	2205	1315	2265	1360	2325
8000	1375	2340	1420	2405	---	---
10,000	1485	2485	1535	2555	---	---
12,000	1605	2645	---	---	---	---

Figure 5-26 (Sheet 2)

Short Field Landing Distance at 8,500 lbs.