

SECTION 5: PERFORMANCE

Unless otherwise addressed in this flight manual supplement the **Performance Numbers** covered in the Aircraft Owners Handbook are considered to be equal to or better than the listed numbers.

TAKE-OFF DATA

CONDITION

Flaps down 10 °

TAKE-OFF											
TAKE OFF DISTANCE FROM HARD SURFACE RUNWAY											
MODEL	GROSS WEIGHT LBS	IAS AT 50 FT. MPH	HEAD WIND KNOTS	@ S.L. & 59° F		@ 2500 ft & 50° F		@ 5000 ft & 41° F		@ 7500 ft & 32° F	
				GROUND ROLL	TOTAL To Clear 50' OBS.	GROUND ROLL	TOTAL To Clear 50' OBS.	GROUND ROLL	TOTAL To Clear 50' OBS.	GROUND ROLL	TOTAL To Clear 50' OBS.
180HP 172 I,K,L	1900	61	0	320	715	380	820	460	960	545	1115
			10	205	520	245	600	300	710	365	830
			20	110	345	140	405	175	485	220	580
	2200	65	0	445	935	535	1085	645	1290	770	1525
			10	295	690	355	810	440	970	530	1160
			20	170	475	215	565	270	690	335	835
	2500	70	0	600	1205	720	1420	875	1715	1050	2080
			10	405	905	495	1075	610	1315	745	1610
			20	250	640	310	770	390	955	485	1190

NOTE: 1- Increase distance 10% for each 25°F above standard temperature for particular altitude

LANDING DISTANCE - SHORT FIELD

CONDITION

Flaps down 30 °

LANDING DATA										
LANDING DISTANCE ON HARD SURFACE RUNWAY, NO WIND										
MODEL	GROSS WEIGHT LBS	APPROACH IAS MPH	@ S.L. & 59° F		@ 2500 ft & 50° F		@ 5000 ft & 41° F		@ 7500 ft & 32° F	
			GROUND ROLL	TOTAL To Clear 50' Obs.	GROUND ROLL	TOTAL To Clear 50' Obs.	GROUND ROLL	TOTAL To Clear 50' Obs.	GROUND ROLL	TOTAL To Clear 50' Obs.
180HP 172 I,K,L	1900	60	500	980	520	1030	550	1080	580	1140
	2200	64	560	1100	590	1155	620	1220	660	1290
	2500	69	610	1200	640	1260	685	1335	725	1410

NOTES: 1- Reduce Landing Distance 10% for a each 5 knot headwind.

2- For operation on a dry, grass runway, increase distances (both "ground roll" and "total to clear 50ft. obstacle" by 20% of the "total to clear 50ft. obstacle" figure.)