

Figure A-3. Take-Off, Climb and Landing Chart—L-17A Airplanes.

AFMC-327 4-1-48		AIRCRAFT MODEL												ENGINE MODEL														
		L -17A												CONTINENTAL 0-470-7														
		TAKE-OFF, CLIMB & LANDING CHART																										
TAKE-OFF DISTANCE FEET																												
GROSS WEIGHT LB.	HEAD WIND		HARD SURFACE RUNWAY								SOD-TURF RUNWAY								SOFT SURFACE RUNWAY									
			AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET		AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET		AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET									
	M.P.H.	KTS.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.	GROUND RUN	TO CLEAR 50' OBJ.						
2750	0	0	1050	1800	1400	2200	1900	2900																				
	17	15	650	1200	900	1750	1400	2150																				
	34	30	350	700	500	950	750	1300																				
	51	45	100	350	200	450	300	700																				
2350	0	0	650	1250	900	1500	1200	1950																				
	17	15	400	800	550	1200	750	1500																				
	34	30	200	450	250	750	400	950																				
	51	45	50	200	100	350	150	450																				
NOTE: INCREASE CHART DISTANCES AS FOLLOWS: 75°F + 10%; 100°F + 20%; 125°F + 30%; 150°F + 40% OPTIMUM TAKE-OFF WITH 2300 RPM, F.T. & 0 DEG. FLAP IS 80% OF CHART VALUES																												
DATA AS OF 7/1/47 BASED ON: FLIGHT TEST																												
CLIMB DATA																												
GROSS WEIGHT LB.	AT SEA LEVEL				AT 3000 FEET				AT 6000 FEET				AT 9000 FEET				AT 12,000 FEET				AT FEET							
	BEST I.A.S.		RATE OF CLIMB		BEST I.A.S.		RATE OF CLIMB		BEST I.A.S.		RATE OF CLIMB		BEST I.A.S.		RATE OF CLIMB		BEST I.A.S.		RATE OF CLIMB		BEST I.A.S.		RATE OF CLIMB					
	F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.		F.P.M.					
	MPH KTS		F.P.M.		MPH KTS		F.P.M.		MPH KTS		F.P.M.		MPH KTS		F.P.M.		MPH KTS		F.P.M.		MPH KTS		F.P.M.					
2750	95	80	730	3	95	80	570	5	95	80	410	11	95	80	250	20	95	80	90	38	12							
2350	95	80	980	3	95	80	790	3.5	95	80	610	8	95	80	430	14	95	80	250	23	9							
POWER PLANT SETTINGS: 2300 RPM & F.T. FUEL USED (U.S. GAL.) INCLUDES WARM-UP & TAKE-OFF ALLOWANCE																												
DATA AS OF 7/1/47 BASED ON: FLIGHT TEST																												
LANDING DISTANCE FEET																												
GROSS WEIGHT LB.	BEST IAS APPROACH				HARD DRY SURFACE								FIRM DRY SOD								WET OR SLIPPERY							
	POWER OFF		POWER ON		AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET		AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET		AT SEA LEVEL		AT 3000 FEET		AT 6000 FEET							
	MPH KTS		MPH KTS		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.					
	MPH KTS		MPH KTS		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.		GROUND ROLL		TO CLEAR 50' OBJ.					
2750	75	65	75	65	600	1550	650	1850	750	1750																		
2350	75	65	75	65	550	1400	600	1500	650	1550																		
DATA AS OF 7/1/47 BASED ON: FLIGHT TEST FULL FLAPS OPTIMUM LANDING IS 80% OF CHART VALUES																												
REMARKS:																												
NOTE: TO DETERMINE FUEL CONSUMPTION IN BRITISH IMPERIAL GALLONS, MULTIPLY BY 10, THEN DIVIDE BY 12																												
LEGEND I.A.S. : INDICATED AIRSPEED M.P.H. : MILES PER HOUR KTS. : KNOTS F.P.M. : FEET PER MINUTE F.T. : FULL THROTTLE																												

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Appendix I