

ENGINE MODELS
R-2600-13

TAKE-OFF, CLIMB & LANDING CHART
(SHEET 1 OF 3 SHEETS)

NO. EXTERNAL LOAD

TAKE-OFF DISTANCE (IN FEET)

GROSS WEIGHT (IN LBS.)	HEAD WIND (MPH)	HARD SURFACE RUNWAY			SOD-TURF RUNWAY			SOFT SURFACE RUNWAY								
		AT 3,000 FT.			AT 6,000 FT.			AT 3,000 FT.			AT 6,000 FT.					
		GROUND RUN	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND RUN	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND RUN	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND RUN	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND RUN	TO CLEAR 50' OBJ.	AT SEA LEVEL
36,000	0	4600	5700	5200	6400	6700	8100	6300	7200	9200	8000	9000	9300	10,500	11,500	13,000
36,000	20	3200	4000	3400	4300	4500	5600	4300	5000	6600	5300	6100	6300	7,300	7,800	9,000
36,000	40	2000	2700	2100	2800	2800	3700	2100	2900	4600	3400	4000	4200	5,000	5,100	6,100
32,000	0	3300	4200	3700	4700	4700	5900	4600	5000	6600	5500	6300	5900	6,800	8,200	9,500
32,000	20	2200	2900	2500	3300	3200	4200	3200	3600	4400	3700	4300	4000	4,800	5,800	6,800
32,000	40	1400	2000	1600	2300	2000	2800	1700	2200	2900	2300	2800	2700	3,300	3,900	4,700
28,000	0	2300	3000	2500	3300	3000	4000	3300	3500	4200	3500	4200	3700	4,500	4,800	5,800
28,000	20	1600	2200	1700	2400	2100	2900	2400	2500	3000	2300	2900	2500	3,100	3,300	4,200
28,000	40	1000	1500	1100	1600	1300	2000	1100	1600	2100	1500	2000	1600	2,100	2,400	2,600

NOTE: INCREASE DISTANCE 10% FOR EACH 10°C (50°F) ABOVE 0°C (32°F)

ENGINE LIMITS FOR TAKE-OFF RPM & IN. HG

GROSS WEIGHT (IN LBS.)	TYPE OF CLIMB	COMBAT MISSIONS USE			CLIMB DATA			FERRY MISSIONS USE			BLOWER CHANGE								
		RPM & 38 IN. HG			RPM & 31.5 IN. HG			RPM & 31.5 IN. HG											
		S.L. TO BEST I.A.S.	TIME FROM S.L.	FT. ALT.	S.L. TO BEST I.A.S.	TIME FROM S.L.	FT. ALT.	S.L. TO BEST I.A.S.	TIME FROM S.L.	FT. ALT.									
36,000	COMBAT FERRY	145	1430	2:0	145	1380	4:5	35	145	1200	6:5	50	65	9:5	140	880	12:5	80	11,000
36,000	COMBAT FERRY	145	640	5:0	145	660	9:5	40	145	670	14:5	60	80	20:5	140	300	29:5	105	13,000
32,000	COMBAT FERRY	150	1560	2:0	150	1520	4:0	35	150	1340	6:0	45	60	8:5	145	1630	11:0	75	11,000
32,000	COMBAT FERRY	145	900	3:5	145	930	6:5	30	145	950	10:0	45	60	14:0	140	550	19:0	75	13,000
28,000	COMBAT FERRY	155	1750	2:0	155	1640	3:5	30	155	1480	5:5	40	55	8:0	150	1190	10:0	70	11,000
28,000	COMBAT FERRY	145	1180	3:0	145	1200	5:0	25	145	1230	7:0	35	45	11:0	140	830	13:0	55	13,000

NOTE: INCREASED ELAPSED CLIMBING TIME % FOR EACH 10°C (50°F) ABOVE 0°C (32°F) FREE AIR TEMPERATURE.

FUEL INCLUDES WARM-UP AND TAKE-OFF ALLOWANCE

LANDING DISTANCE (IN FEET)

GROSS WEIGHT (IN LBS.)	BEST I.A.S. Approach	HARD DRY SURFACE			FIRM DRY SOD			WET OR SLIPPERY								
		AT 3,000 FT.			AT 6,000 FT.			AT 3,000 FT.			AT 6,000 FT.					
		GROUND ROLL	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND ROLL	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND ROLL	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND ROLL	TO CLEAR 50' OBJ.	AT SEA LEVEL	GROUND ROLL	TO CLEAR 50' OBJ.	AT SEA LEVEL
34,000	120	3900	1900	1400	4100	4400	2300	4200	2200	4400	2400	4800	2600	9300	10,200	8200
31,000	120	3600	1700	1300	3800	4100	2100	3300	2000	4100	2200	4400	2400	8700	9,400	7800
25,000	110	3100	1400	1100	3300	3500	1500	3000	1600	3500	1800	3800	1900	7200	7,800	6000

NOTE: FOR GROUND TEMPERATURES ABOVE 35°C (95°F) INCREASE APPROACH I.A.S. 10% AND ALLOW 20% INCREASE IN GROUND ROLL.

REMARKS

LEGEND

I.A.S.: Indicated Air Speed
NOTE: All distances are average, and subject to considerable variation, because of differences in pilot technique, load, C.G., etc.
RED FIGURES HAVE NOT BEEN FLIGHT CHECKED.