



DISPATCH RELEASE FORM

FILL IN THE BLANKS AND CHECK THE BOXES THAT APPLY TO YOUR FLIGHT.
BOTH SIDES MUST BE COMPLETED PRIOR TO DISPATCH RELEASE.

DATE AND TIME:

DEPARTURE TIME:

RETURN TIME:

STUDENT NAME:

INSTRUCTOR NAME:

TAIL NUMBER:

701HG

PATTERN

☐ AEROBATIC BOX ☐ CROSS COUNTRY ☐

DUAL ☐ SOLO ☐

LOCAL ☐

CROSS COUNTRY ☐

PRAC AREA OR ROUTE:

WEATHER BRIEFING VMC ☐

91.103: CHECK BOXES OF COMPLETED ITEMS

INFO:

TIME:

WIND: /

☐ NOTAMS

☐ PILOT DOCS

VIS:

CEILING:

TEMP/DP: /

☐ WT & BAL

☐ TO/LDG DATA

ALT:

RETURN WEATHER VERIFIED: YES ☐

☐ ARROW

☐ FUEL REQUIRED

FLT PLAN FILED:

ALTERNATE REQUIRED:

YES ☐ NO ☐

NO ☐

☐ A AVIATES 91.409

☐ 50HR / 100HR

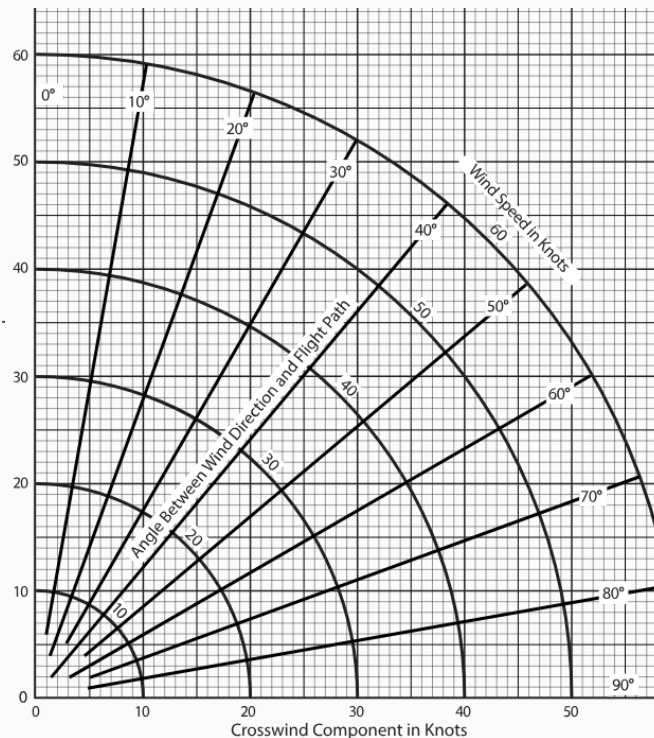
TIME LEFT ____ / ____

INSTRUCTOR SIGNATURE: _____

VERIFY ACCT: ☐

THIS SIDE MUST BE COMPLETED PRIOR INSTRUCTOR SIGNATURE AND DISPATCH RELEASE.

*RUNWAY #:	*LENGTH:
*PRESS ALT:	*DENS ALT:
*HEAD/TAIL COMP:	
*CROSSWIND COMP:	
*T.O. WEIGHT:	*LDG WEIGHT:
*T.O. ROLL:	50FT OBST:
*LDG ROLL:	50FT OBST:



TAKEOFF AND LANDING DATA

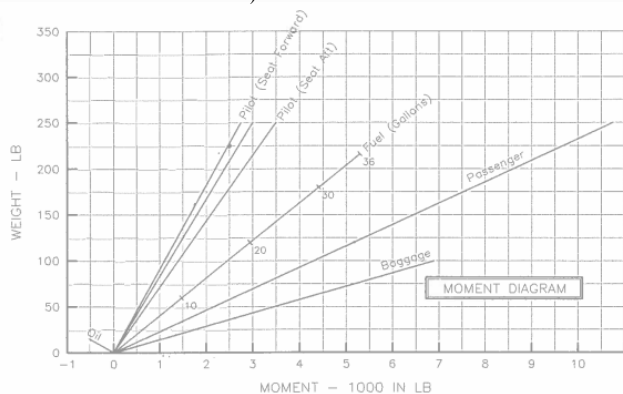
* = REQUIRED.

USE THE POH PERFORMANCE CHARTS TO COMPUTE
TAKEOFF AND LANDING DATA.

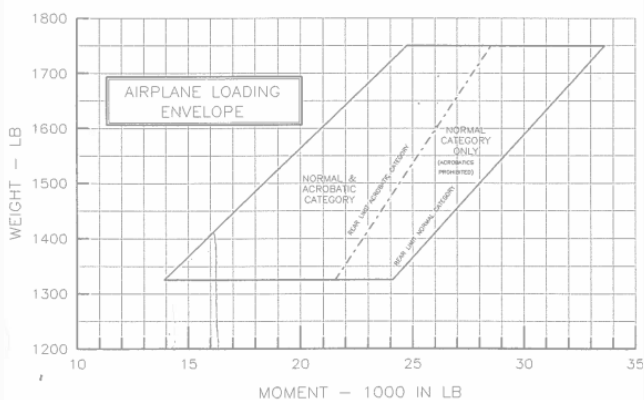
DRY ERASE PERFORMANCE CHARTS AND MARKERS
ARE LOCATED ON THE PREFLIGHT DOCUMENT
TABLE IN DISPATCH.

*MANEUVERING SPEED: _____ KTS

$VA = \sqrt{(\text{CURRENT TAKEOFF WEIGHT} / \text{MAX GROSS TAKEOFF WEIGHT}) \times \text{PUBLISHED VA AT MAX GROSS}}$



Add weights and moments of items in MOMENT DIAGRAM to airplane empty weight and moment. (negative oil moment) Locate intersection of total weight and moment on AIRPLANE LOADING ENVELOPE. Any point falling within the envelope meets all balance requirements.



	WEIGHT	ARM	MOMENT
BASIC EMPTY WEIGHT	1142.07	11.16	12750.12
PILOT AND FRONT PASSENGER			
BACK SEAT PASSENGERS			
BAGGAGE AREA			
ZERO FUEL WEIGHT			
FUEL (6LBS)			
RAMP WEIGHT			
TAXI FUEL BURN			
TAKEOFF WEIGHT			
FUEL BURN IN FLIGHT (LBS)			
LANDING WEIGHT			

WEIGHT & BALANCE

MAX WEIGHT

- 1650LBS

DETERMINE MOMENT BY MULTIPLYING WEIGHT X ARM.
DETERMINE ARM BY DIVIDING MOMENT BY WEIGHT.

PLEASE MARK TAKEOFF WEIGHT AND LANDING FUEL WEIGHT ON
THE CG GRAPH BELOW TO ENSURE THAT YOU WILL BE WITHIN CG
LIMITS THE ENTIRE FLIGHT.

**TAKE-OFF DISTANCE AND RATE OF CLIMB VS. ALTITUDE AND TEMPERATURE
AMERICAN CHAMPION MODELS 7ECA, 7GCBC, 7GCAA**

MODEL		7ECA			7GCBC			7GCAA		
POWER		118 HP.			160 HP.			160 HP.		
PROP		72CKS8-O-52			74DM6S8-1-56			74DM6S8-1-56		
PRESSURE ALTITUDE FT.	TEMP %F	T.O. DIST. FT.	50 FT. OBST. FT.	R/C FT/MIN	T.O. DIST. FT.	50FT. OBST. FT.	R/C FT/MIN	T.O. DIST. FT.	50FT. OBST. FT.	R/C FT/MIN
S.L.	0	340	716	800	231	457	1240	289	535	1210
	20	372	763	775	254	491	1210	317	574	1180
	40	415	832	750	279	530	1170	350	618	1150
	60	455	895	725	305	567	1145	382	663	1120
	80	496	961	700	340	616	1110	417	713	1090
	100	544	1034	675	363	649	1090	453	763	1060
2000	0	407	860	695	272	536	1100	343	622	1080
	20	444	929	660	294	573	1070	376	671	1050
	40	492	1004	635	331	629	1030	414	727	1020
	60	543	1086	610	374	684	1010	452	784	990
	80	597	1174	585	397	733	980	497	846	960
	100	655	1269	560	433	777	950	538	904	930
4000	0	482	1043	575	324	635	980	401	738	950
	20	538	1147	545	360	695	930	448	806	920
	40	589	1239	520	393	746	900	479	857	890
	60	640	1329	495	458	834	870	527	925	860
	80	690	1432	470	474	870	840	573	991	830
	100	788	1580	450	522	935	820	643	1086	800
6000	0	576	1301	465	385	763	840	479	886	820
	20	640	1432	435	421	827	800	529	962	790
	40	707	1562	410	472	905	770	582	1040	760
	60	789	1716	385	522	981	740	647	1133	730
	80	858	1858	365	568	1043	720	706	1226	700
	100	968	2058	340	626	1137	690	760	1304	680
8000	0			350			700			690
	20			325			670			660
	40			300			640			630
	60			275			610			600
	80			245			530			570
	100			225			550			540

ALL FIGURES ARE MAXIMUM PERFORMANCE AT GROSS WEIGHT. TAKE-OFF IN 7GCBC MADE WITH 2 NOTCHES OF FLAP UNTIL AIRBOURNE. TAKE-OFF DISTANCE ON DRY PAVEMENT.

AIRCRAFT SPECIFICATIONS - ALL MODELS

MODEL	7ECA	7GCAA	7GCBC
STALL SPEED, (MPH)	51	51	51
STALL SPEED FLAPS, (MPH)			47
TOP SPEED, (MPH)	117	130	128
CRUISE SPEED 75% HP (MPH-ALT)	112-7500	125-3000	125-3000
RANGE 75% HP. (GALS.-MILES-HRS)	36-672-6	36-500-4	36-500-4
FUEL CONSUMPTION 75% HP (GPH)	6	9	9
BEST RATE OF CLIMB, (MPH-FPM)	69	69	78
SERVICE CEILING (FT.)	12,000	17,000	17,000
TAKE-OFF RUN (FT.)	450	375	296
TAKE-OFF OVER 50 FT. OBSTACLE (FT.)	890	630	525
LANDING ROLL (FT.)	400	400	310
LANDING DIST. OVER 50 FT. OBST. (FT.)	775	755	690

NOTE: PERFORMANCE IF FOR GROSS WEIGHT AT SEA LEVEL UNLESS NOTED.
 * AVERAGE WITH STANDARD EQUIPMENT.