

WEIGHT AND BALANCE RECORD

DATE: 01/12/2017 CESSNA R172K N172CB SERIAL#: 1722290

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
WEIGHED AIRCRAFT USING JACKSON AIRCRAFT WEIGHING SYSTEM SCALES MODEL M2000-3-10BS	1,623 LBS	37.2 IN	60,358

NEW BASIC EMPTY WEIGHT INCLUDING UNUSABLE FUEL AND 9 QTS OIL			1,623 LBS
NEW BASIC C.G.			37.2 INCHES
NEW BASIC MOMENT			60,358 MOMENT

AIRCRAFT GROSS WEIGHT	2,550 LBS
MINUS BASIC EMPTY WEIGHT	1,623 LBS
NEW USEFUL LOAD	927 LBS

DPK AAP 2877561
MANAGER, AVIATION ASSET MANAGEMENT INC

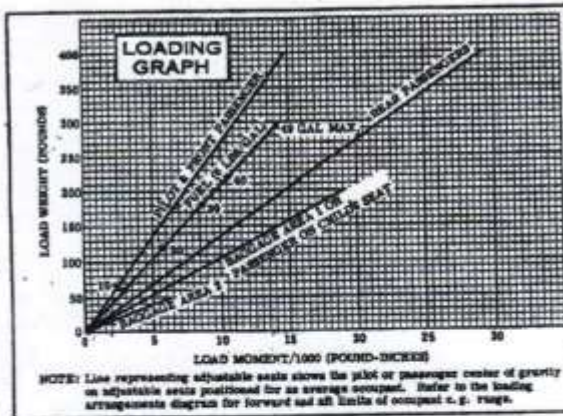
LOADING & CENTER OF GRAVITY CHARTS

IT IS THE RESPONSIBILITY OF THE OPERATOR TO ENSURE THAT THE AIRPLANE IS LOADED PROPERLY.

Using the empty weight, arm and moment of your airplane and the loading and center of gravity charts provided herein, proper loading of your airplane may be calculated.

The weight, arm and moment of your airplane as it left the factory may be found on the Weight and Balance and Installed Equipment Data sheet. (If alterations have been made to the airplane, refer to the airplane weight and balance records for the weight, arm and moment.)

The airplane weight and the moment divided by 1000 should be entered in the column titled YOUR AIRPLANE on the Sample Loading Problem. Use the Loading Arrangements and Loading Graph to determine the weight and moment of other items being loaded, and enter these on the Sample Problem. Complete the Sample Problem to determine the total weight and moment, then plot these values on the Center of Gravity Moment Envelope to confirm that the airplane CG can be computed from the total weight and moment, and the CG checked within limits on the Center of Gravity Limits chart.

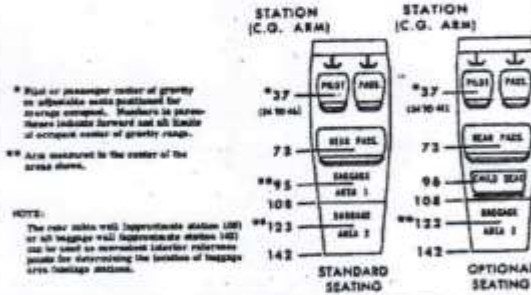


Datum: Lower front face of firewall

SAMPLE LOADING PROBLEM (UTILITY CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-in./1000)	Weight (lbs.)	Moment (lb.-in./1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1882	86.7		
2. Usable Fuel (42.8 Lit./Gal.) Standard Tanks 140 Gal. Maximum Reduced Fuel (As limited by maximum weight)	280	11.8		
3. Pilot and Front Passenger (Station 34 to 48)	340	12.8		
4. TOTAL WEIGHT AND MOMENT	2772	98.8		

NOTE: Enter this point (2772 at 98.8) on the Center of Gravity Moment Envelope, and check this point falls within the envelope, the loading is acceptable.

LOADING ARRANGEMENTS



SAMPLE LOADING PROBLEM (NORMAL CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-in./1000)	Weight (lbs.)	Moment (lb.-in./1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1882	86.7		
2. Usable Fuel (42.8 Lit./Gal.) Standard Tanks 140 Gal. Maximum	280	11.8		
3. Pilot and Front Passenger (Station 34 to 48)	340	12.8		
4. Rear Passenger	170	12.8		
5. * Baggage Area 1 or Passenger or Child's Seat (Station 82 to 108, 200 Lbs. Max.)	150	14.8		
6. * Baggage Area 2 (Station 108 to 142, 50 Lbs. Max.)				
7. TOTAL WEIGHT AND MOMENT	2600	116.4		

NOTE: Enter this point (2600 at 116.4) on the Center of Gravity Moment Envelope, and check this point falls within the envelope, the loading is acceptable.

NOTE: * The maximum allowable combined weight capacity for baggage areas 1 and 2 is 200 lbs.

