

# Cessna 177RG N2195Q Weight and Balance

S/N 177RG0595

Date: \_\_\_\_\_

PIC: \_\_\_\_\_

Item	Weight	Arm	Moment
Airplane	1818.5	105.29	191463.97
Pilot		94	
Co-pilot		94	
Rear pax 1		134	
Rear pax 2		134	
Baggage area 1		155	
Baggage area 2		179	
Fuel		111.9	
<b>TOTAL</b>			
Max gross	2800	CG	

### Checklist

- Safety
- Flight plan
- Weather
- Glasses
- Fuel
- Maps & charts
- Approaches

### LOADING ARRANGEMENTS

\* Pilot or passenger center of gravity on adjustable seats positioned for average occupant. Numbers in parentheses indicate forward and aft limits of occupants center of gravity range.

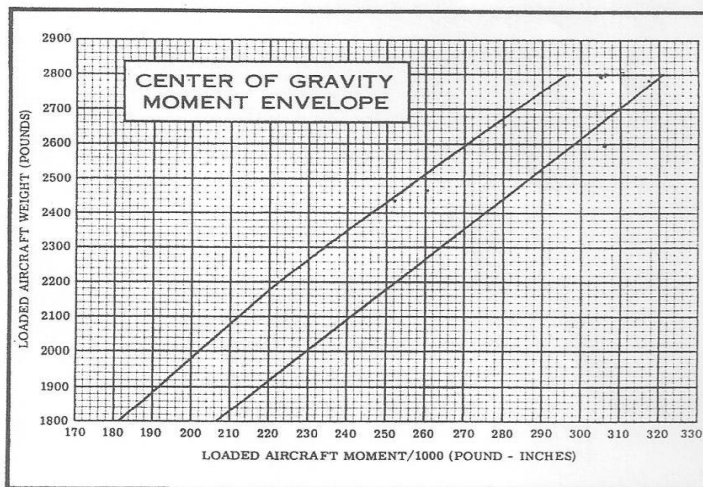
\*\* Arm measured to the center of the area shown.

NOTE:  
The aft baggage wall (approximate station 188) can be used as a convenient interior reference point for determining the location of baggage area fuselage stations.

STATION (C.G. ARM)

\* 94 (90 TO 97) - PILOT PASS  
134 - REAR PASS.  
\*\* 155 - BAGGAGE A  
172 - WHEEL WELL  
\*\* 179 - BAGGAGE B  
188

SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Sample Airplane) . . .	1743	185.2		
2. Oil (9 Qts. - The weight of full oil may be used for all calculations) . . .	17	0.8	17	0.8
3. Fuel (Reduced Usable - 43 Gal. at 6 lbs/Gal.) . . .	258	28.7		
Fuel (Total Usable - 60 Gal. at 6 lbs/Gal.) . . .				
4. Pilot and Front Passenger (Sta. 90 to 97) . . .	340	32.0		
5. Rear Passengers . . .	340	45.6		
6. Baggage (Area "A") (on and forward of wheel well - Sta. 145 to 172) . . .				
Baggage (Area "B") (aft of wheel well - Sta. 172 to 188) . . .	102	18.5		
8. TOTAL WEIGHT AND MOMENT	2800	310.8		
9. Locate this point (2800 at 310.8) on the center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.				



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