

FRONT RANGE FLIGHT SCHOOL

| N6407D | Quant- | Weight (lb) | Arm (In) | Moment (In-lbs) | CG |
|--|--------|-------------|----------|-----------------|----|
| Basic Empty Weight | | 1480.5 | 38.95 | | |
| Pilot & Front Passenger | | | 37 | | |
| Rear Passenger | | | 73 | | |
| Fuel | | | 48 | | |
| Baggage Area A (120 lb max) | | | 95 | | |
| Baggage Area B (50 lb max) | | | 123.0 | | |
| Totals (on Ramp) | | | | | |
| CG on the Ramp | | | | | |
| Engine Start, Taxi & Runup | 1.1 | 6.60 | 48.0 | | |
| Totals (on Takeoff) | | | | | |
| CG on Take-off | | | | | |
| Fuel Burn Rate (GPH) | | | | | |
| Estimated Time To Empty | | | | | |
| Estimated Fuel Used | | | 48.0 | | |
| Totals (on Landing) | | | | | |
| CG on Landing | | | | | |
| WEIGHTS | | | | | |
| Maximum Gross weight (lbs) | | | | 2307 | |
| Maximum Takeoff weight (lbs) | | | | 2300 | |
| Maximum Landing weight (lbs) | | | | 2300 | |
| Maximum Ramp Weight- Usable Fuel | | | | 2289 | |
| Maximum Fuel Capacity | | | | 43 | |
| Maximum Usable Fuel | | | | 40 | |
| Total Unusable Fuel | | | | 3 | |
| How much more weight (lbs) can be added? | | | | | |
| How much more fuel (gal) can be added? | | | | | |

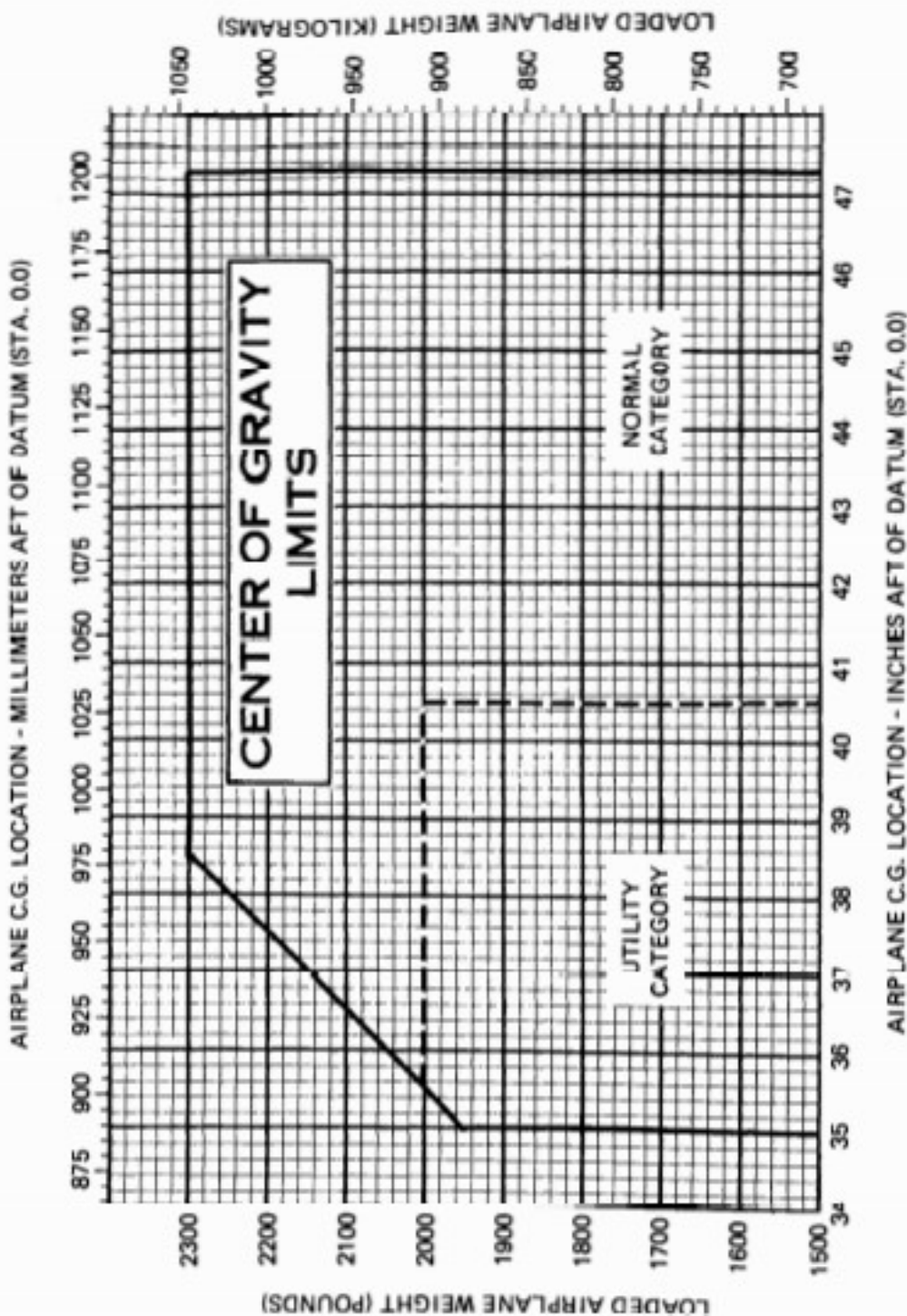


Figure 6-8. Center of Gravity Limits