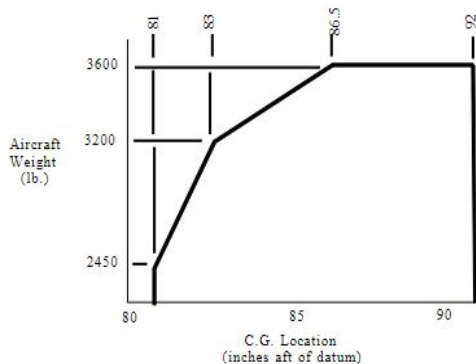


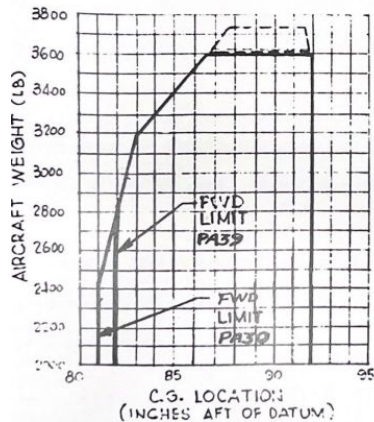
N11KY PA-30 Twin

Center of Gravity (C.G.) Range
(Gear Extended)



C.G. Range

(+86.5) to (+92) at 3600 lb.
 (+83.0) to (+92) at 3200 lb.
 (+81.0) to (+92) at 2450 lb. or less
 Straight line variation between points given.
 Moment change due to retracting landing gear (770 in.-lb.)



C.G. RANGE WITH SYMMETRICAL FUEL QUANTITY IN EACH TIP TANK:

87.62" to 91.38" at 3725 Lbs.

C.G. RANGE WITH 0.3 GALS. IN EACH TIP TANK:

86.72" to 91.87" at 3604 Lbs.

C.G. RANGE WITH TIP TANKS EMPTY:

86.5" to 92" at 3600 Lbs.

C.G. OF WING TIP TANK FUEL IS 90.5"

STRAIGHT LINE VARIATION BETWEEN POINTS GIVEN.

Maximum allowable gross weight 3725 lbs. Any weight in excess of 3600 lbs must consist of symmetrically loaded fuel in the Tip Tanks.

Loading Table	Weight (lbs)	Arm	Moment/1000
Empty Weight*	2463.71	86.55	21.323485
Oil (8 qts/side)		+51	
Pilot & Passenger		+85	
2nd Row Seats		+120.5	
Baggage or Third Row Seats (Max 250 lbs)		+142, +148 when using seats	
Fuel, Main inboard (60 gal, 54 useable)		+90	
Fuel, Aux (15 gal/side)		+95	
Fuel Tip Tank (15 gal/side)		+90.5	
Fuel Nacelle Tanks (10.2 gal/side)		+93.4	
Total			

*empty weight includes unusable fuel of 36 lbs at (+90) and 2qts unusable oil each engine at (+51)