



Aircraft Operating Manual specifies a minimum solo pilot weight of 154 lbs (70kg). (includes parachute)

Factory Tech Note 295-29: With both seats occupied, the placarded minimum front seat load may be reduced by the nose heavy moment of loads on the rear seat as follows:

Rear seat load x 0.23 = load to be deducted from placarded minimum front seat load.

Example: Rear Pilot weighs 180 lbs, $180 \times 0.23 = 41.4$, $154 - 41 = 113$ lbs minimum front seat pilot weight.

You are flying AT THE AFT CG LIMIT in this example.

N12FT Data: Max GW 1543 lbs, Empty Weight 928.75 lbs, Useful load 614.25 lbs, Empty CG 20.84 in Aft of Datum

Allowable Flying Computed CG:

Optimum CG 5.9 to 9.8 in Aft of Datum, Max Allowable 1.58 to 10.63 in Aft of Datum (Pg 18a)

Seat References: Front 51.18in Ahead of Datum, Back Seat 7.48in Ahead of Datum (use neg values in computations).

Max weight allowed per seat, 242 lbs