

SECTION 6
WEIGHT AND BALANCE

PIPER AIRCRAFT CORPORATION
PA-32R-300, CHEROKEE LANCE

	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight	2260.53	82.76	186,062.40
Pilot and Front Passenger	379.0	85.5	32,404.5
Passengers (Center Seats) (Forward Facing)		118.1	
Passengers (Center Seats) (Aft Facing) (Optional)	270.0	119.1	32,157.0
Passengers (Rear Seats)	76.0	157.6	11,977.6
Passenger (Jump Seat) (Optional)		118.1	
Fuel (94 Gallon Maximum)	564.0	93.6	52,790.4
Baggage (Forward)		42.0	
Baggage (Aft)	100	178.7	17,870.0
Moment due to Retraction of Landing Gear			819
Total Loaded Airplane	3649.53	91.54	334,080.9

Totals must be within approved weight and C.G. limits. It is the responsibility of the airplane owner and the pilot to insure that the airplane is loaded properly. The Basic Empty Weight C.G. is noted on the Weight and Balance Data Form (Figure 6-5). If the airplane has been altered, refer to the Weight and Balance Record for this information.

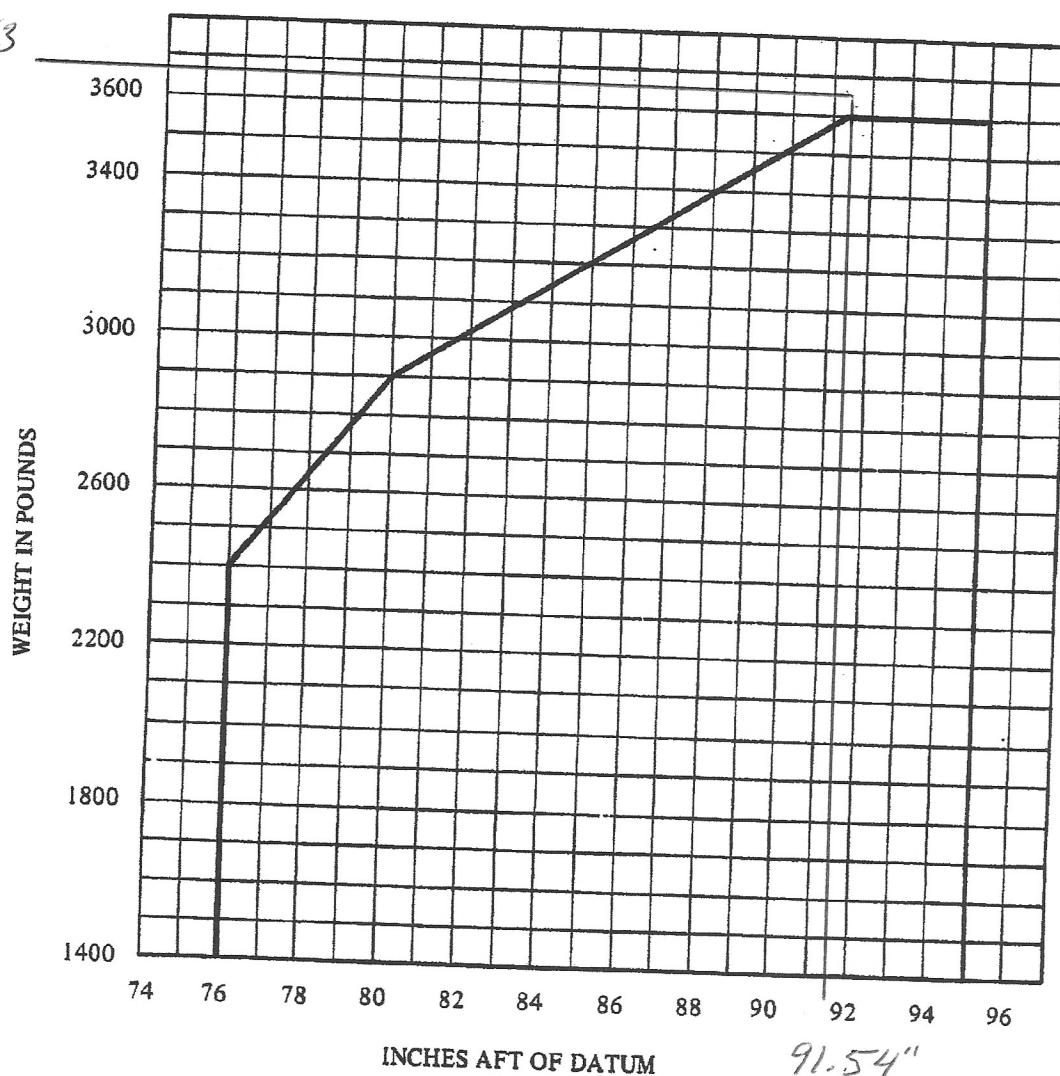
WEIGHT AND BALANCE LOADING FORM

Figure 6-11

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3649.53



Moment due to retracting landing gear = +819 in. lbs.

C. G. RANGE AND WEIGHT

Figure 6-15