



**Piper Archer PA-28-181 N81894**

**s/n 28-8090287**

**Weight and Balance Data**

(For Reference Use Only)

**Max Weights**

MAX TAKEOFF WEIGHT	2550
MAX LANDING WEIGHT	2550
MAX BAGGAGE WEIGHTS	200

**Fuel Capacity**

Main (Usable)	48 gal
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<b><u>N81894</u></b>	<b><u>Weight</u></b>	<b><u>Arm</u></b>	<b><u>Moment/100</u></b>
Basic Empty Weight	1578.6	87.77	138559.6
Useful Load	971.4		
Payload (Full Fuel)	683.4		

**SECTION 6  
WEIGHT AND BALANCE**

**PIPER AIRCRAFT CORPORATION  
PA-28-181, ARCHER II**

	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passengers (Rear Seats)*		118.1	
Fuel (48 Gallon Maximum)		95.0	
Baggage (200 Lbs. Maximum)*		142.8	
Ramp Weight (2558 Lbs. Normal, 2138 Lbs. Utility Maximum)			
Fuel Allowance For Engine Start, Taxi and Run Up	-8	95.0	-760
Takeoff Weight (2550 Lbs. Normal, 2130 Lbs. Utility Maximum)			

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.

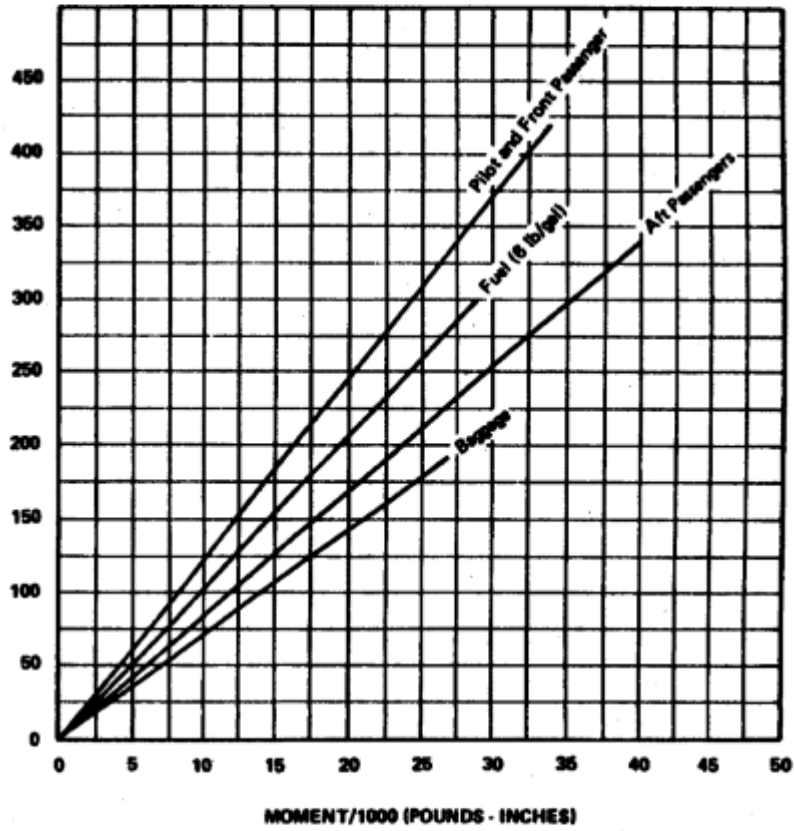
\*Utility Category Operation - No baggage or rear passengers allowed.

**WEIGHT AND BALANCE LOADING FORM**

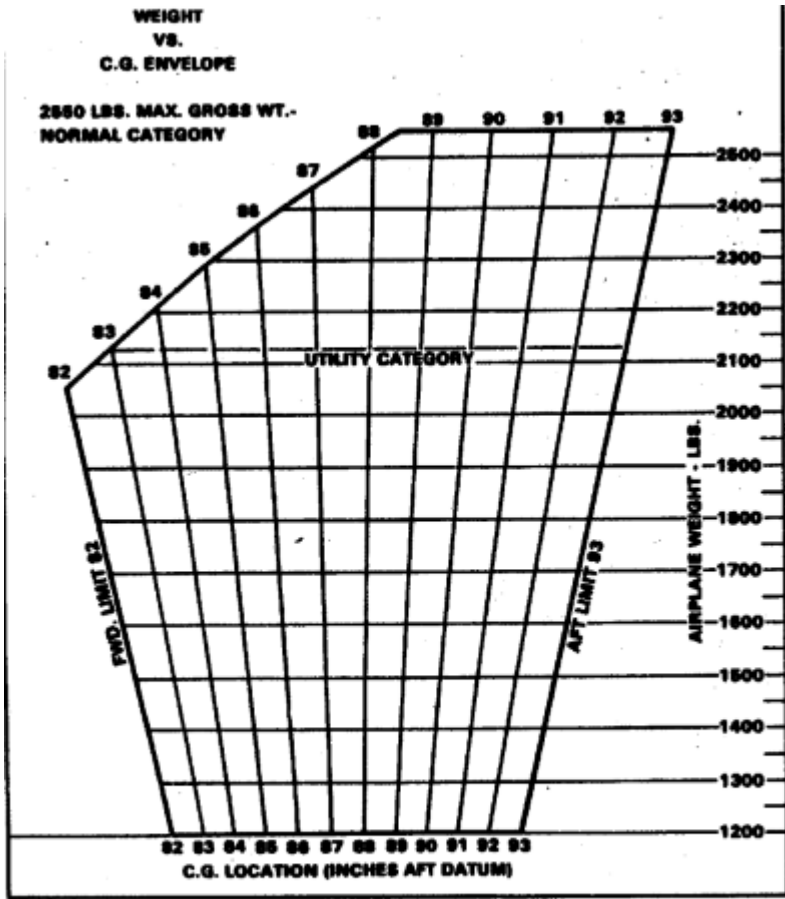
Figure 6-11

**REPORT: VB-1120  
6-10**

**ISSUED: JULY 2, 1979  
REVISED: FEBRUARY 2, 1990**



LOADING GRAPH  
Figure 6-13



**C.G. RANGE AND WEIGHT**  
Figure 6-15