

SECTION 6
WEIGHT AND BALANCE

HULE BAE

PIPER AIRCRAFT CORPORATION
PA-28-161, CADET

PA-28-161	Serial Number 2841291	Registration Number 142006	Page Number	Weight Change				Running Basic Empty Weight	
				Wt. (Lb.)	Arm (In.)	Moment / 100	Wt. (Lb.)	Moment / 100	
Date	10/19/89	As licensed					1525.6	129119	
	17.6.94 276	Silencer Hecanair	+	7.2	33.26	2.44	1532.8	129363	
	6-8-85	Brake Painting	+	0.7	55.4	39	1533.5	129430	
	2.11.85	EGT	+	1.3	62.4	81.1	1534.8	130011	
	21.3.86	Intercom Installation	+		84.8		1557	132064	
	16.8.88	Measuring	-	5.4		1275	1554.6	131497.6	
	31.3.10 224	ELT	+	3.0		708.6			
	31.3.10 224	ELT Removal 408 AF	+						

WEIGHT AND BALANCE RECORD

Figure 6-7

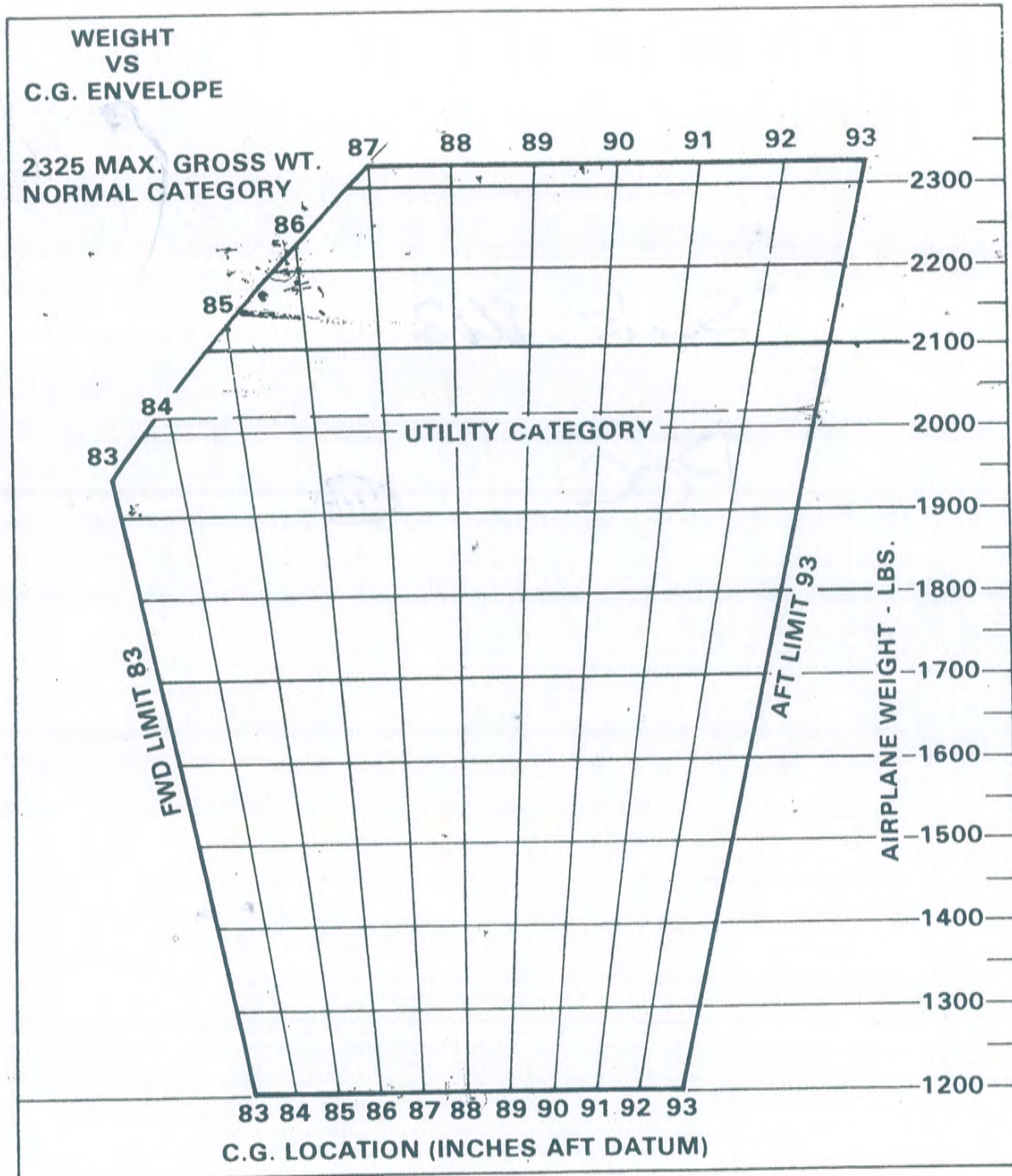
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passengers (Optional Rear Seat)*		118.1	
Fuel (48 Gallon Maximum)		95.0	
Baggage* (50 Lbs. Maximum)		142.8	
Ramp Weight (2332 Lbs. Normal, 2027 Lbs. Utility Maximum)			
Fuel Allowance For Engine Start, Taxi and Run Up	-7	95.0	-665
Total Loaded Airplane (2325 Lbs. Normal, 2020 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 ensure 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 aft passengers allowed.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11



C.G. RANGE AND WEIGHT
Figure 6-15