

6.2 - AEROPLANE WEIGHT

Aeroplane Type : PIPER PA-28-151

Registration Marking : VH-FZW.. (SERIAL NO: 28-7715051)

Issue	Date	Date of Expiry
1	31/5/77	INDEFINITE.

Aeroplane Weight and Centre of Gravity Data :

Item	Weight kg	Arm mm aft of datum	Index Unit kg mm	Cabin Configuration
EMPTY	641.8	2194.5	1408422	4 SEATS TOTAL.
WEIGHT.				
	(1415)			

NOTE : The above weight's include UNUSABLE FUEL (5.4 kg),
UNDRAINABLE OIL (0.8 kg), & FIXED EQUIPMENT AS

PER PILOT'S OPERATING HANDBOOK FOR 28-7715051

SECTION 6 DATED 31/5/77.

S. C. RIGBY, 33 CRAYFORD CRES, MT. PRITCHARD 2170

D.O.T. AIRCRAFT WEIGHT CONTROL AUTHORITY AN11

PH. SYDNEY 607 9214

DATUM: 1991.4 mm
FWD. OF W.L.E., AT
I/B INTERSECTION
OF STRAIGHT &
TAPERED SECTION.

Approval Stamp

31/5/77

SECTION 6
WEIGHT AND BALANCE

PIPER AIRCRAFT CORPORATION
PA-28-151, CHEROKEE WARRIOR

	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*		142.8	
Total Loaded Airplane			

Totals must be within approved weight and C.G. limits. It is the responsibility of 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.

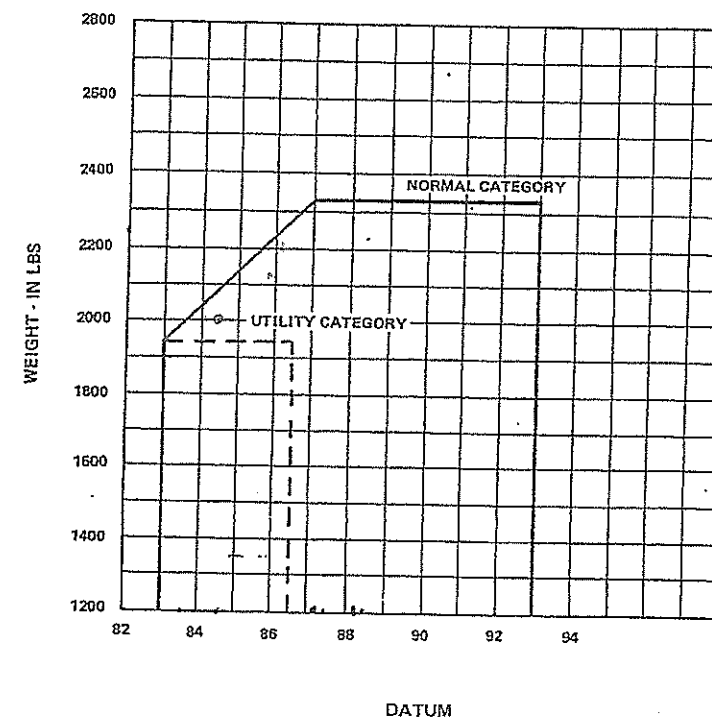
*Utility Category Operation - No baggage or aft passengers allowed.

WEIGHT AND BALANCE LOADING FORM

Figure 6- 11

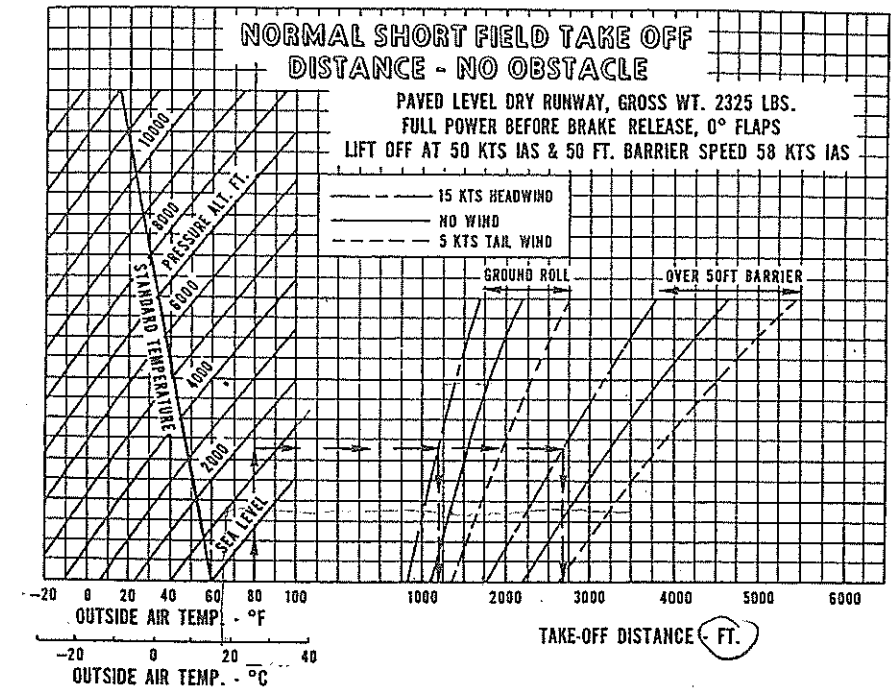
SECTION 6
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C. G. RANGE AND WEIGHT
Figure 6-15

PA-28-151



Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80°F
Wind: 15 KTS headwind
Ground roll: 1200 ft.
Distance over 50 ft. barrier: 2650 ft.

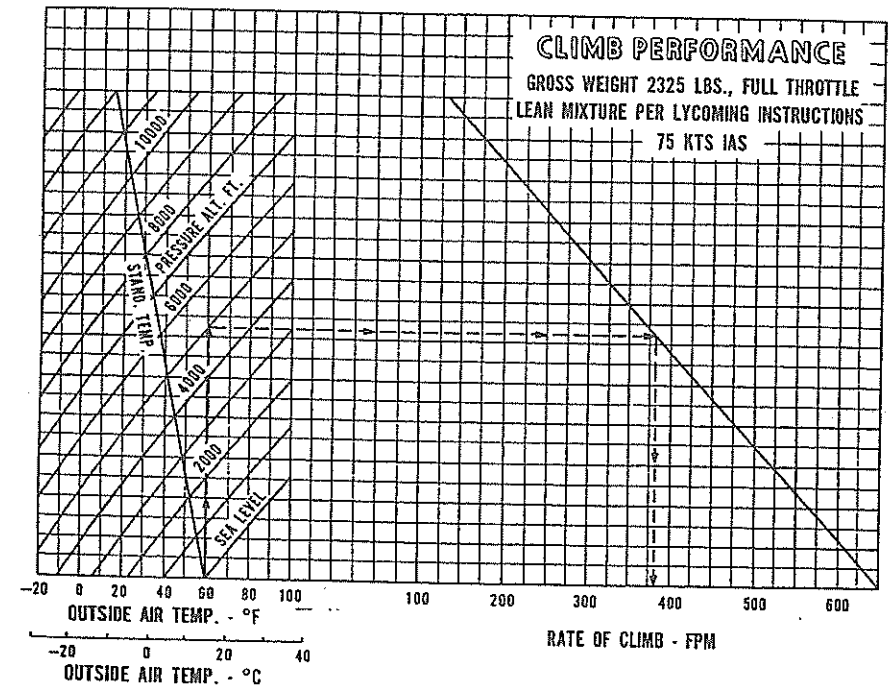
NORMAL SHORT FIELD TAKEOFF DISTANCE - NO OBSTACLE

Figure 5-5

ISSUED: JUNE 17, 1976

REPORT: VB-780
5-13

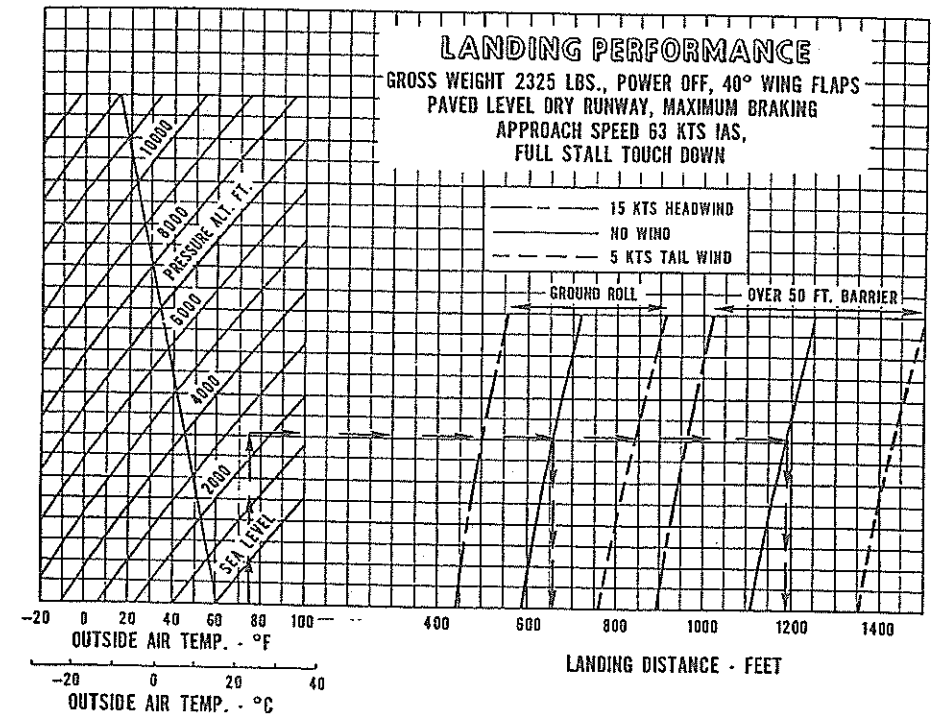
PA-28-151



Example:
Climb pressure altitude: 5000 ft.
Climb OAT: 60°F
Rate of climb: 380 ft./min.

CLIMB PERFORMANCE
Figure 5-11

PA-28-151



Example:

Destination airport pressure altitude: 2500 ft.
Destination airport temperature: 75°F
Destination airport wind: 0 KTS
Ground roll: 660 ft.
Distance over 50 ft. barrier: 1190 ft.

LANDING PERFORMANCE

Figure 5-27