

ED	PIPER AIRCRAFT CORPORATION DEVELOPMENT CENTRE, VERO BEACH, FLA.	REPORT VB-838
D		MODEL PA-28-161
ED		2nd December 1976
		Page _____

- Aeroplane Weight

plane Type PIPER PA28-161

stration Marking VH-FTQ

S/No. 28-7916567

Issue	Date	Date of Expiry
ONE	23/11/79	INDEFINITE

plane Weight and Centre of Gravity Data:

Weight (Kg) (note below)	Arm (millimeters) Aft of the Datum	Index Units kg.mm/1000	Cabin Configuration
EMPTY - 663.6	2223	1474.988	Four Seats Total
BASIC - 670.4	2207	1479.746	Four Seats Total

: The above weight(s) include _____
 EMPTY - Unusable fuel and undrainable oil.
 BASIC - Unusable fuel and full oil.

ANSETT GENERAL AVIATION

Bruce D. Clissold
 Aircraft Weight Control
 Authority Number AN-9.

SECTION 6
WEIGHT AND BALANCE

PIPER AIRCRAFT CORPORATION
PA-28-161, CHEROKEE WARRIOR II

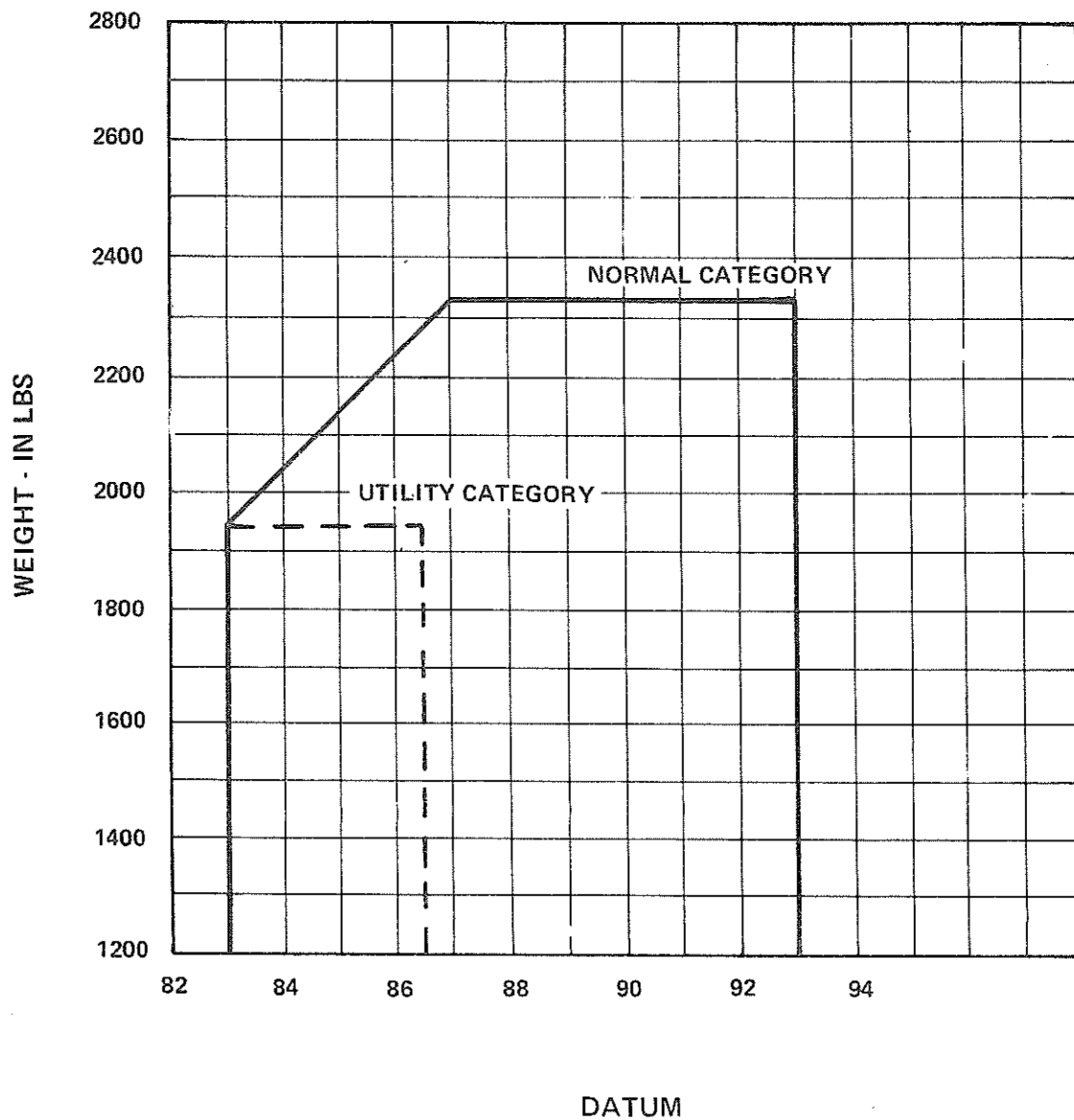
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passenger (Rear Seats)*		118.1	
Fuel (48 Gallon Maximum)		95.0	
Baggage*		142.8	
Total Loaded Airplane			

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

WEIGHT AND BALANCE LOADING FORM

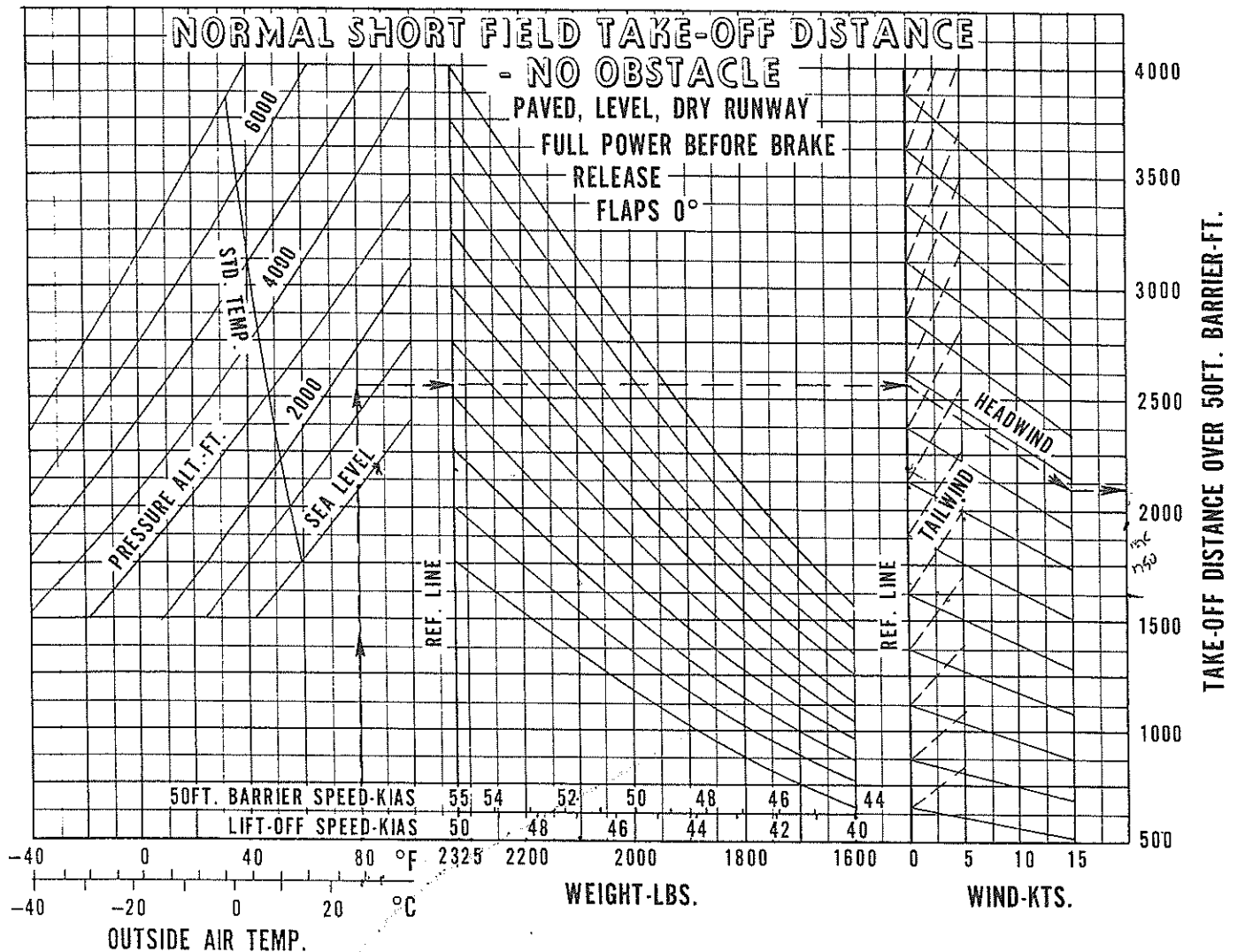
Figure 6-11



C. G. RANGE AND WEIGHT

Figure 6-15

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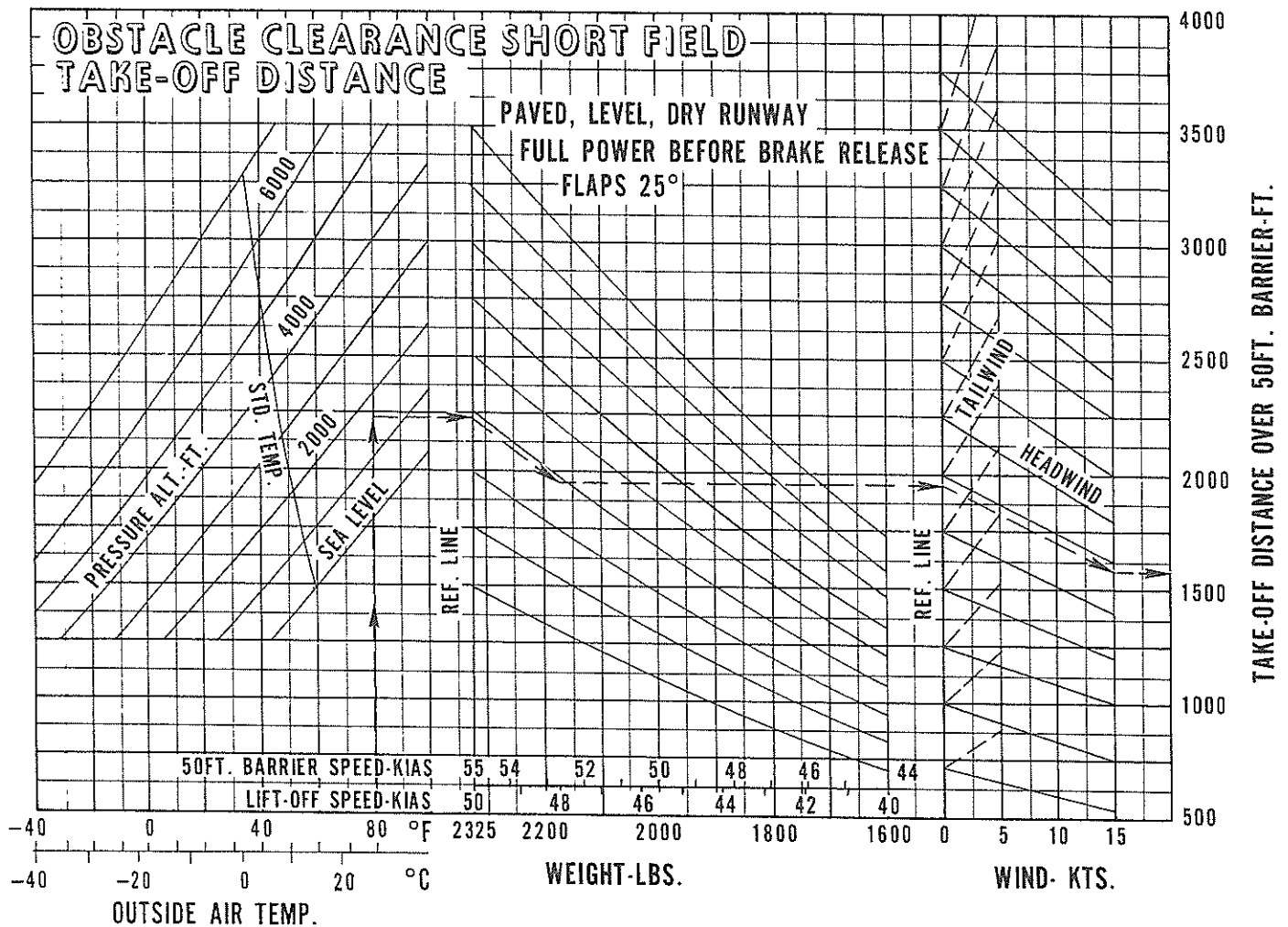
Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80°F
Weight: 2325 lbs.
Wind: 15 KTS headwind
Distance over 50 ft. barrier: 2100 ft.
Lift-off speed: 50 KIAS
Barrier speed: 55 KIAS

NORMAL SHORT FIELD TAKEOFF DISTANCE - NO OBSTACLE

Figure 5-6

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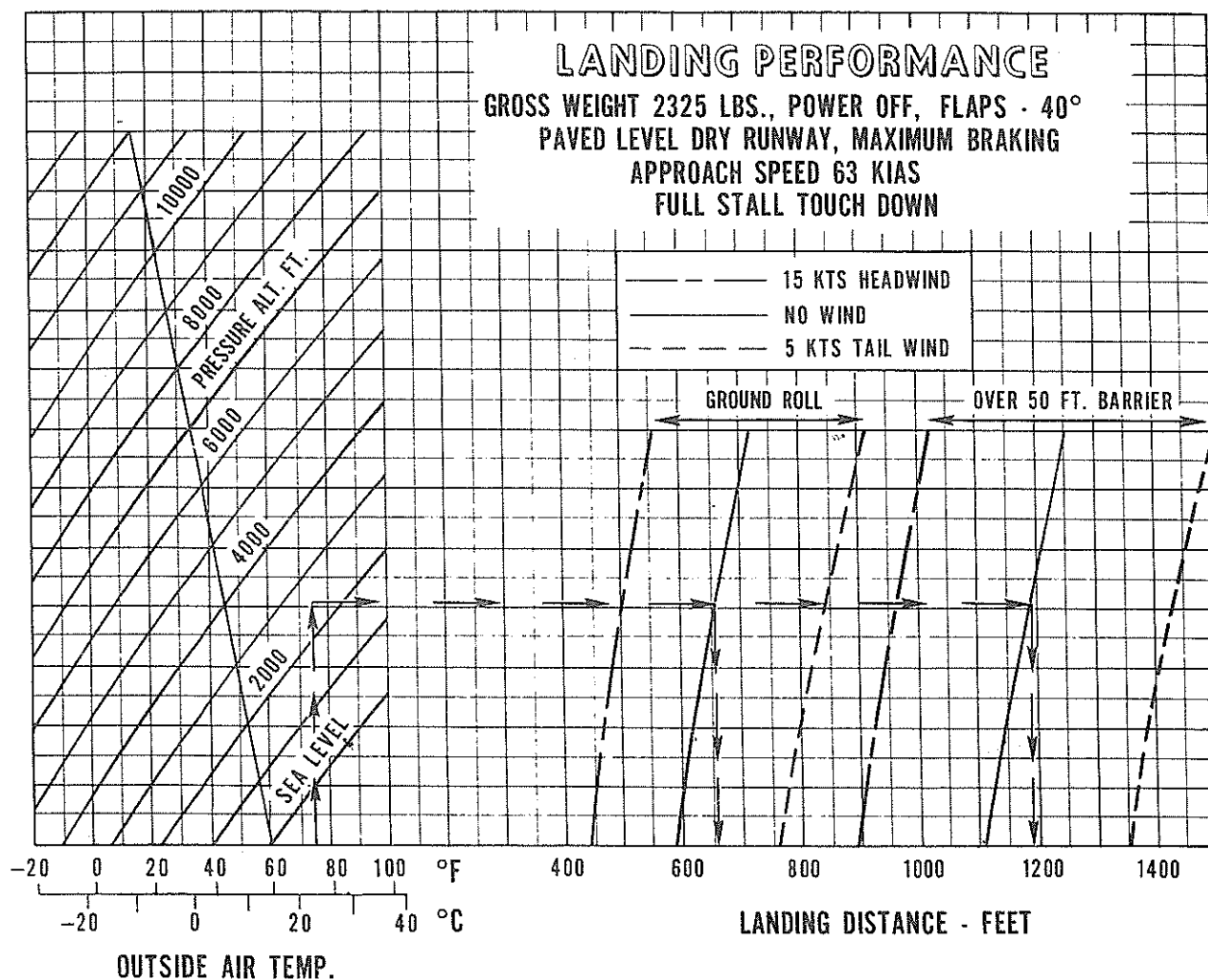
Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80° F
Weight: 2175 lbs.
Wind: 15 KTS headwind
Distance over 50 ft. barrier: 1600 ft.
Lift-off speed: 48 KIAS
Barrier speed: 53 KIAS

OBSTACLE CLEARANCE SHORT FIELD TAKEOFF DISTANCE

Figure 5-8

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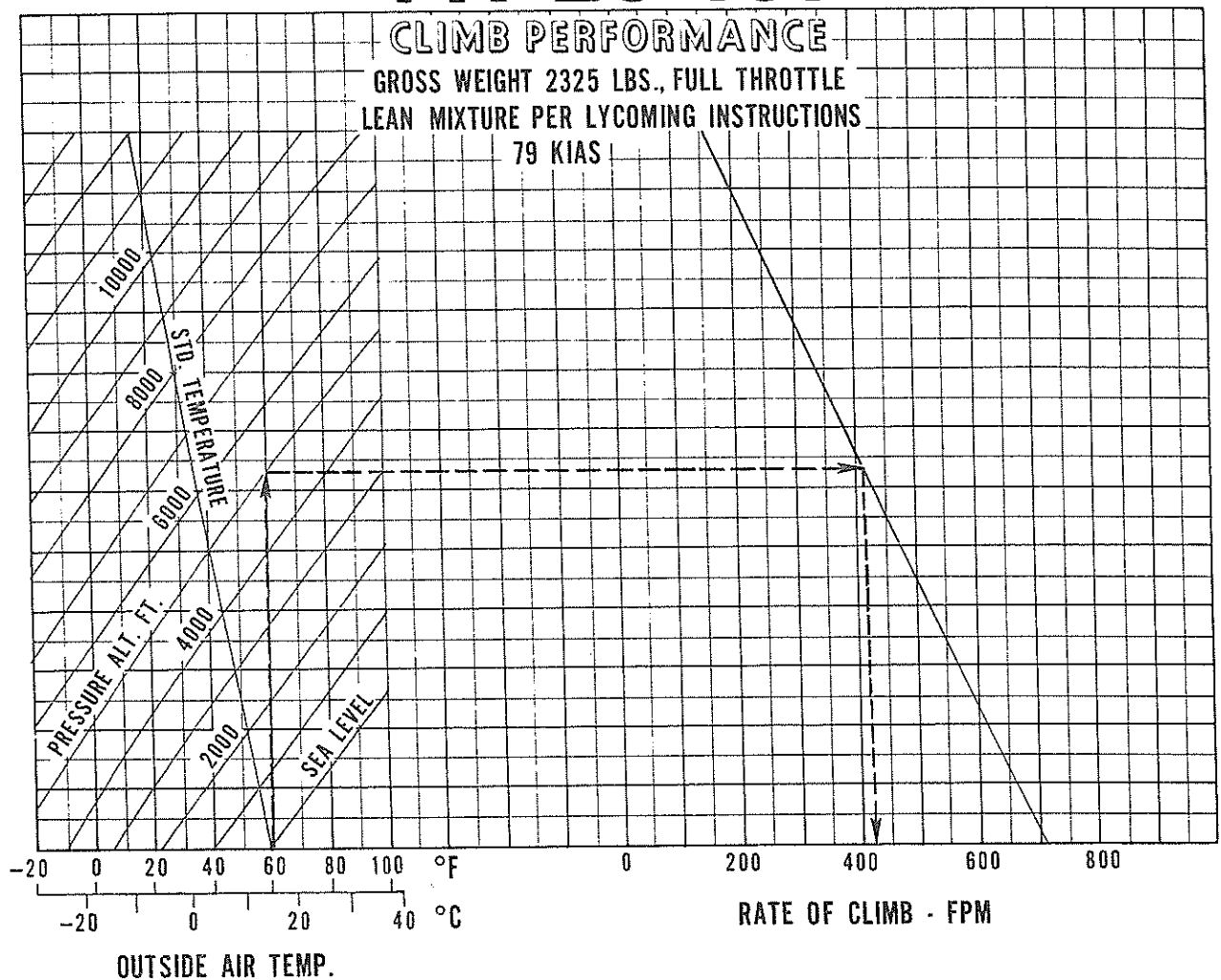
Example:

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 5-29

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Example:

Climb pressure altitude: 5000 ft.

Climb OAT: 60°F

Rate of climb: 420 ft/min.

CLIMB PERFORMANCE

Figure 5-11

ISSUED: DECEMBER 16, 1976
REVISED: JULY 11, 1977

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