

6.2 - AEROPLANE WEIGHT

Aeroplane Type : ... PIPER PA-28-161 ... (WARRIOR II)

Registration Marking : VH- LOU

Issue	Date	Date of Expiry
1	2.6.89	REFER CAO 100.7

Aeroplane Weight and Centre of Gravity Data :

Item	Weight kg	Arm mm aft of datum	Index Unit kg mm	Cabin Configuration
EMPTY	675	2211	1492	4 SEATS
BASIC	682	2195	1497	"

NOTE : The above weight(s) include

Empty weight includes unusable fuel and undrainable oil. Basic weight includes unusable fuel and full oil.

AUSTRALIAN FLIGHT TEST SERVICES PTY LTD.	
Approval Stamp APPROVED	
WEIGHT CONTROL AUTHORITY	
NAME: M.C. WILTSCH NUMBER: AS23	
Signature	Date
M.C. Wiltsch	2 JUNE 1989

SECTION 6
WEIGHT AND BALANCE

PA-28-161, WARRIOR III

	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 (2447 Lbs. Normal, 2027 Lbs. Utility Maximum)			
Fuel Allowance For Engine Start, Taxi and Run Up	-7	95.0	-665
Takeoff Weight (2440 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 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.

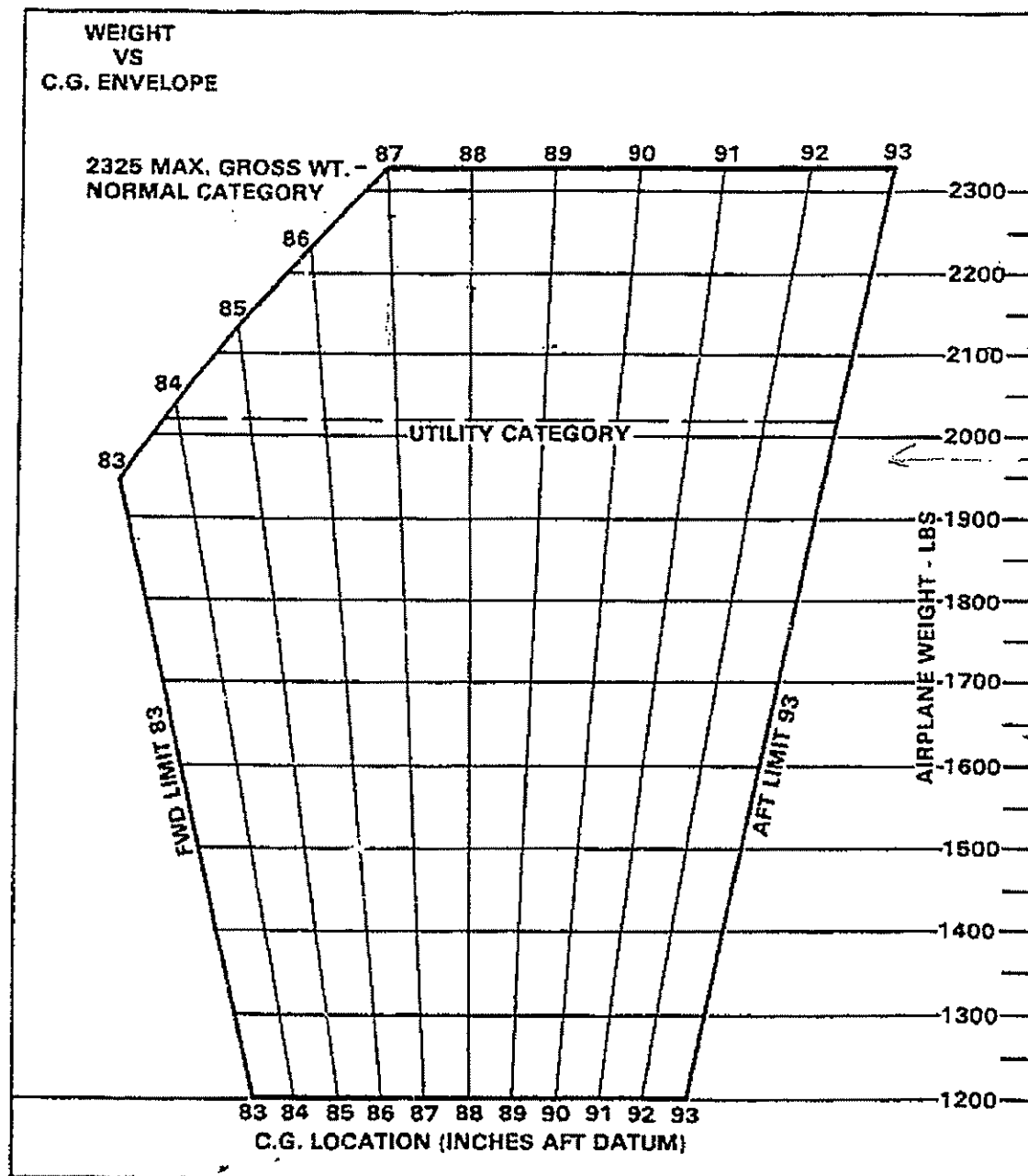
*Utility Category Operation - No baggage or aft passengers allowed.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11

SECTION 6
WEIGHT AND BALANCE

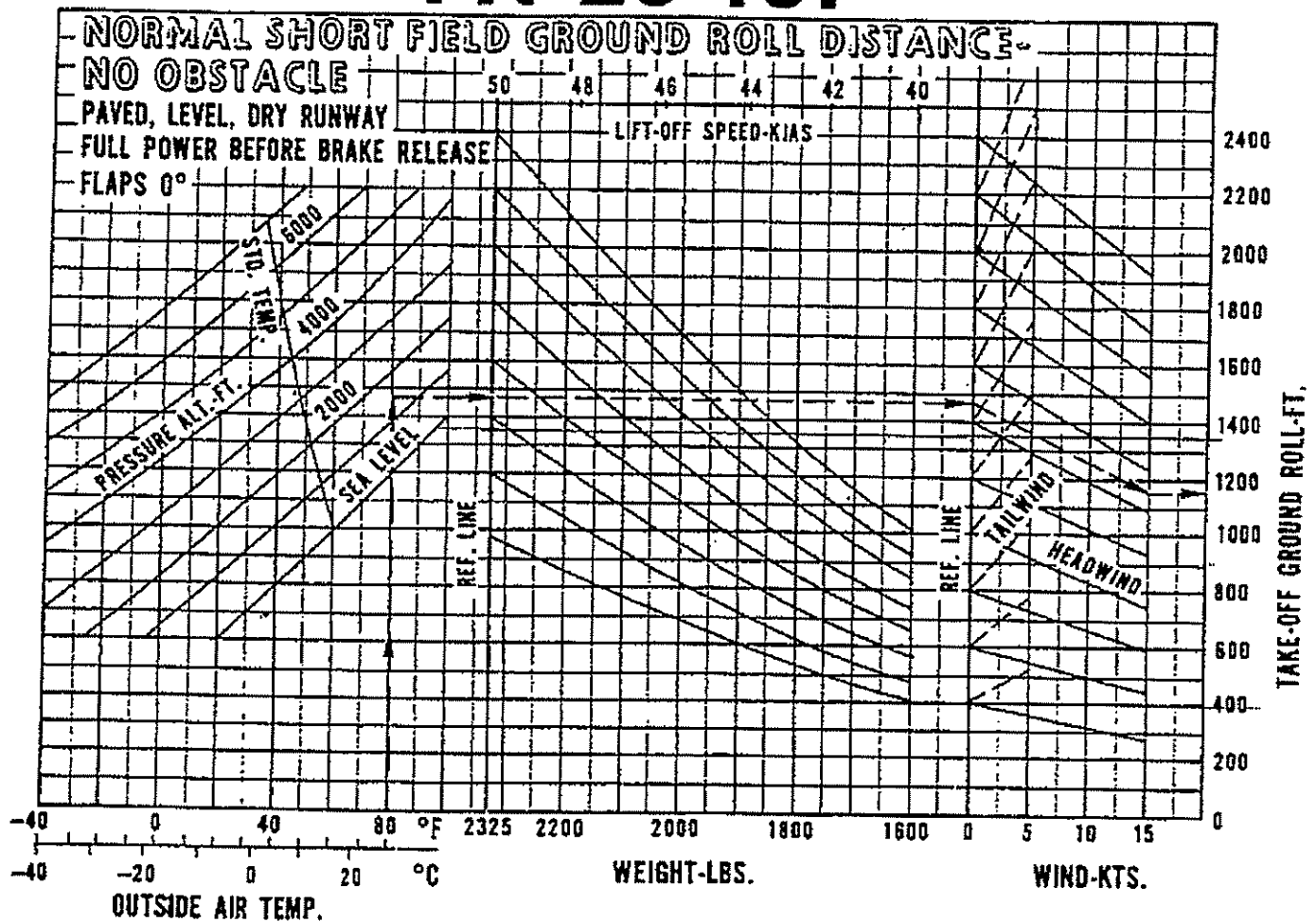
PIPER AIRCRAFT CORPORATION
PA-28-161, CHEROKEE WARRIOR II



C. G. RANGE AND WEIGHT

Figure 6-15

PA-28-161



Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80°F
Weight: 2325 lbs.
Wind: 15 KTS headwind
Ground roll: 1150 ft.
Lift-off speed: 50 KIAS

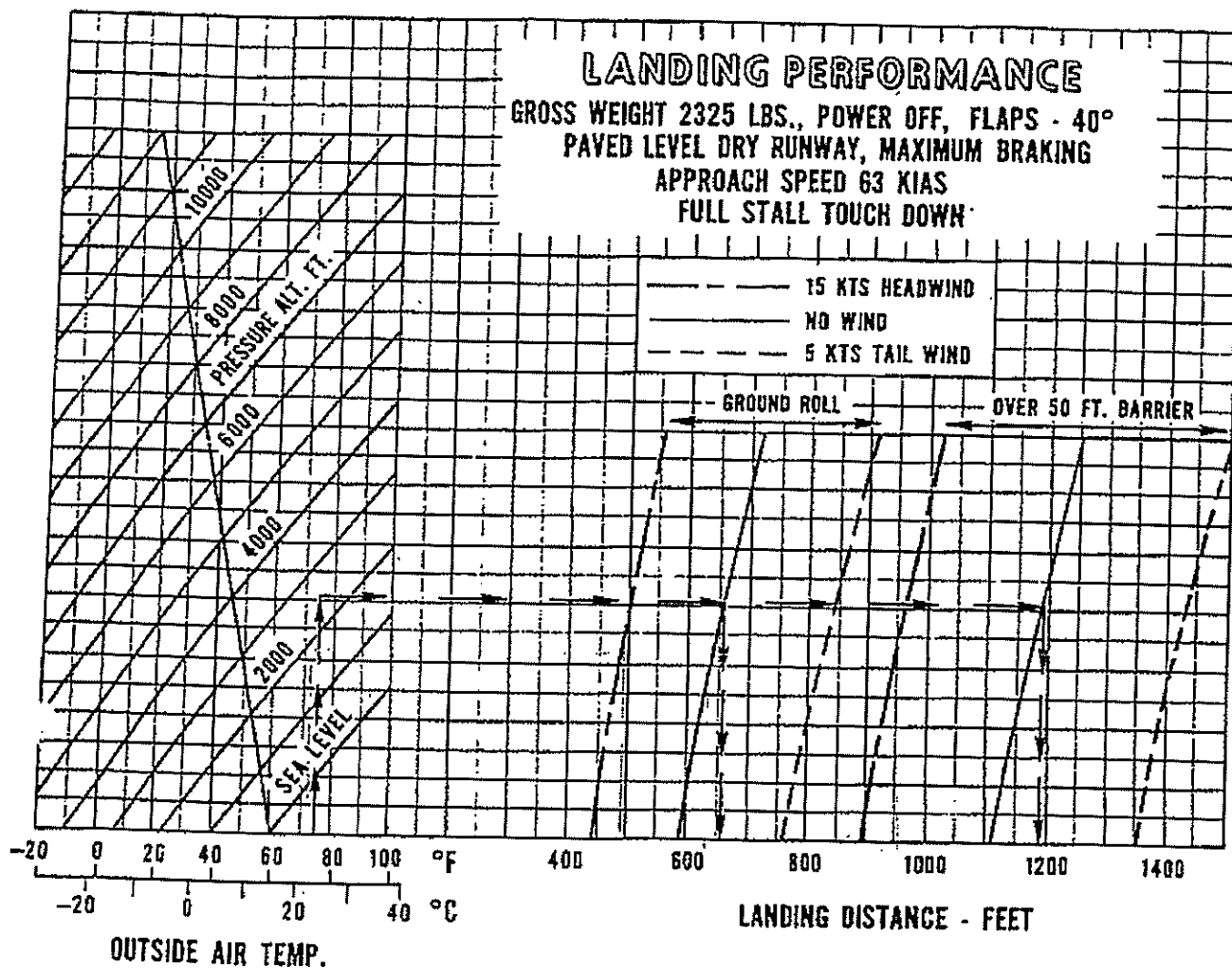
NORMAL SHORT FIELD GROUND ROLL DISTANCE - NO OBSTACLE

Figure 5-5

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

REPORT: VB-880
5-13

PA-28-161



Example:

Destination airport pressure altitude: 2500 ft.

Destination airport temperature: 75°F

Destination airport wind: 0 KTS

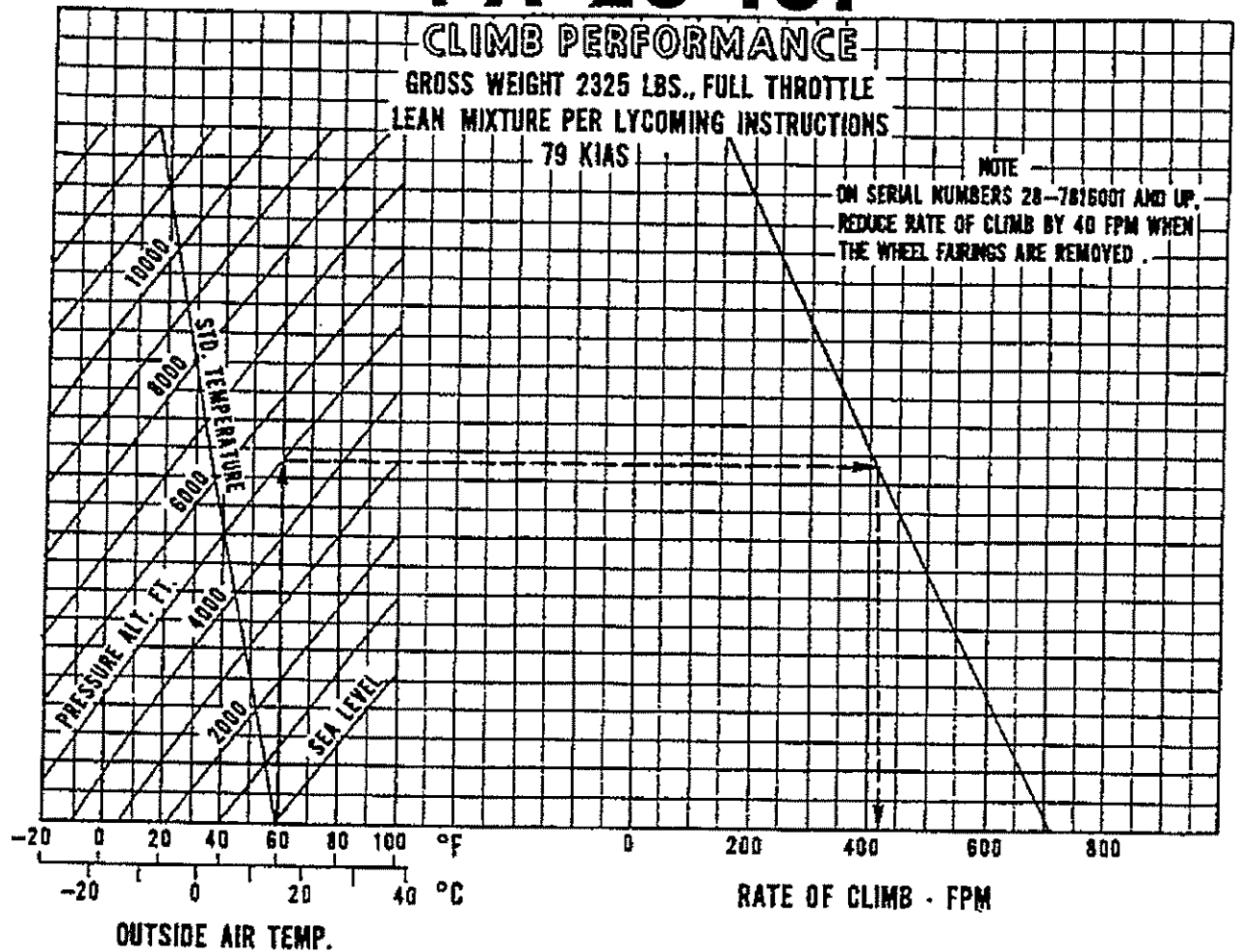
Ground roll: 660 ft.

Distance over 50 ft. barrier: 1190 ft.

LANDING PERFORMANCE

Figure 5-29

PA-28-161



CLIMB PERFORMANCE

Figure 5-11

ISSUED: DECEMBER 16, 1976
REVISED: JUNE 30, 1978

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5-19