

LOAD DATA SHEET - PAGE 1 OF 3 - AEROPLANE WEIGHT

Aeroplane Type:..... PIPER PA28-161

Registration Marking:..... **VH-JWY** Serial No: 28-8216069

ISSUE:..... TWO

DATE:..... 14.05.04

EXPIRY:..... INDEFINITE

AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

ITEM	WEIGHT (Kg)	ARM (mm aft of datum)	MOMENT (Kg.mm)	CABIN CONFIGURATION
BASIC	672.9	2200	1480540	FOUR SEATS TOTAL
STANDARD CABIN CONFIGURATION				
THE FOLLOWING IMPERIAL UNITS ARE FOR USE WITH THE PILOTS HANDBOOK SECTION SIX				
	(lb)	(in)	(in.lb)	
BASIC	1483.5	86.6	128505	FOUR SEATS TOTAL

NOTE: The above empty weights include:-

BASIC - unusable fuel and full oil

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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* (200 Lbs. Maximum)		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.

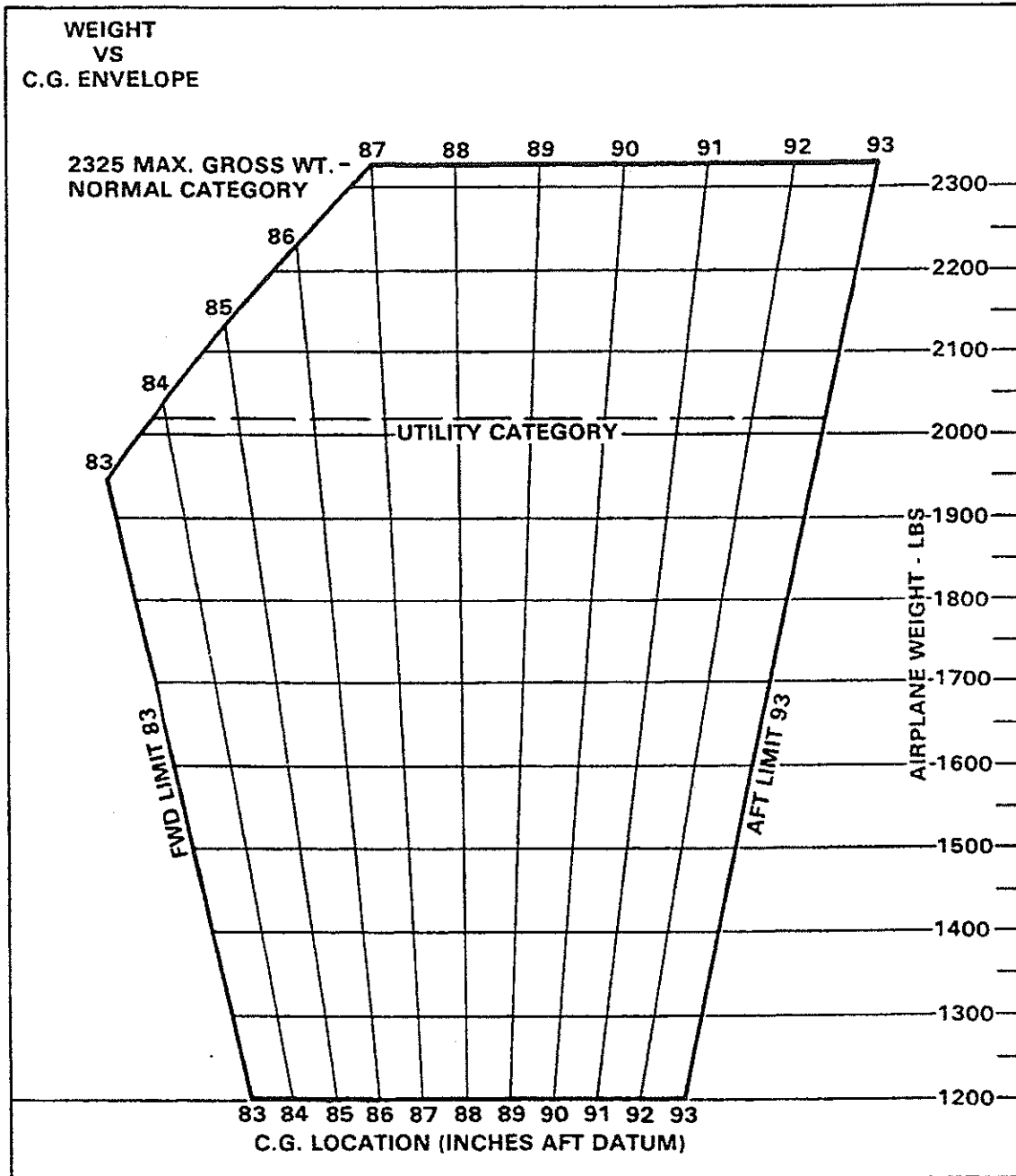
*Utility Category Operation - No baggage or aft passengers allowed.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11

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

NORMAL SHORT FIELD TAKE-OFF DISTANCE

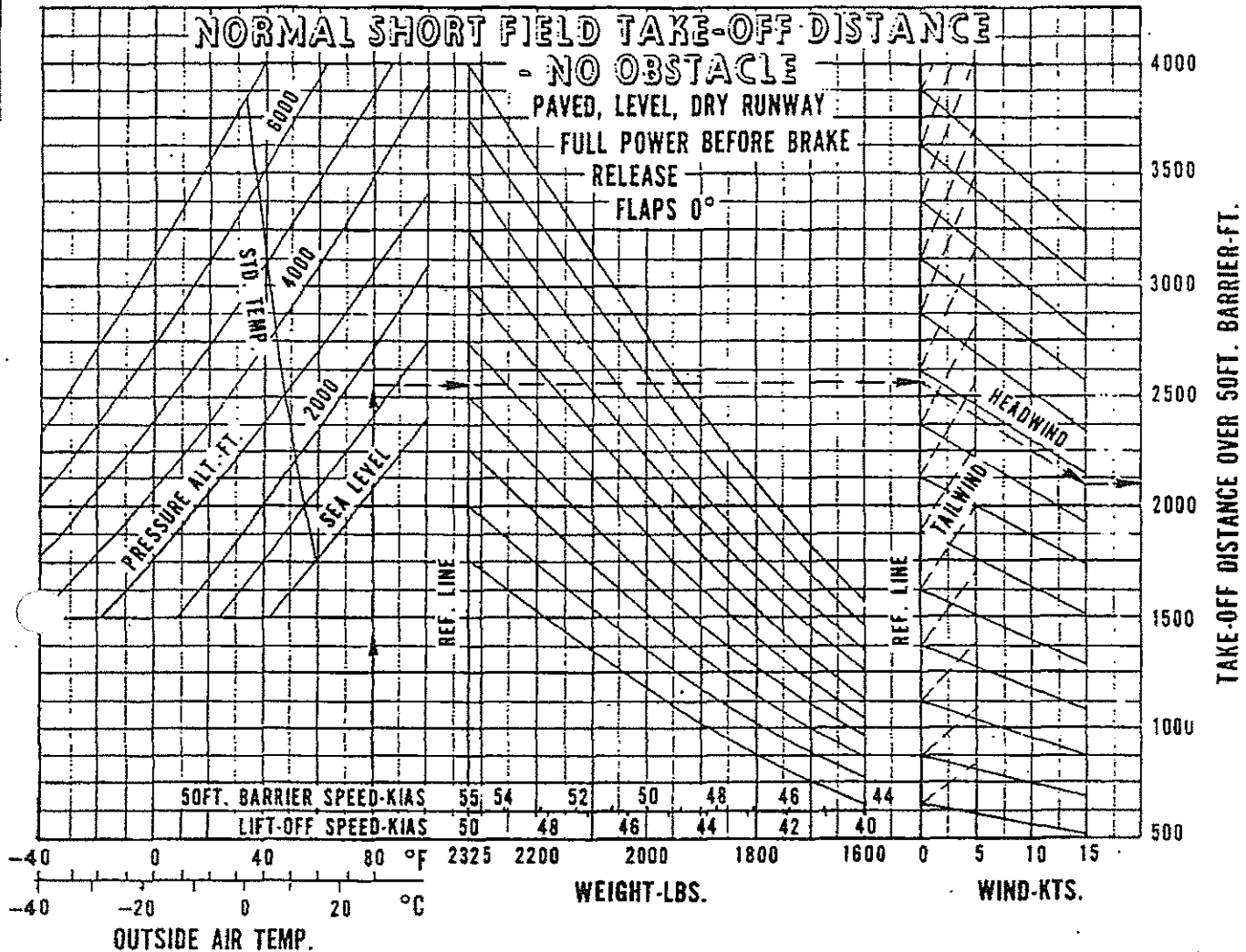
- NO OBSTACLE

PAVED, LEVEL, DRY RUNWAY

FULL POWER BEFORE BRAKE

RELEASE

FLAPS 0°



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.

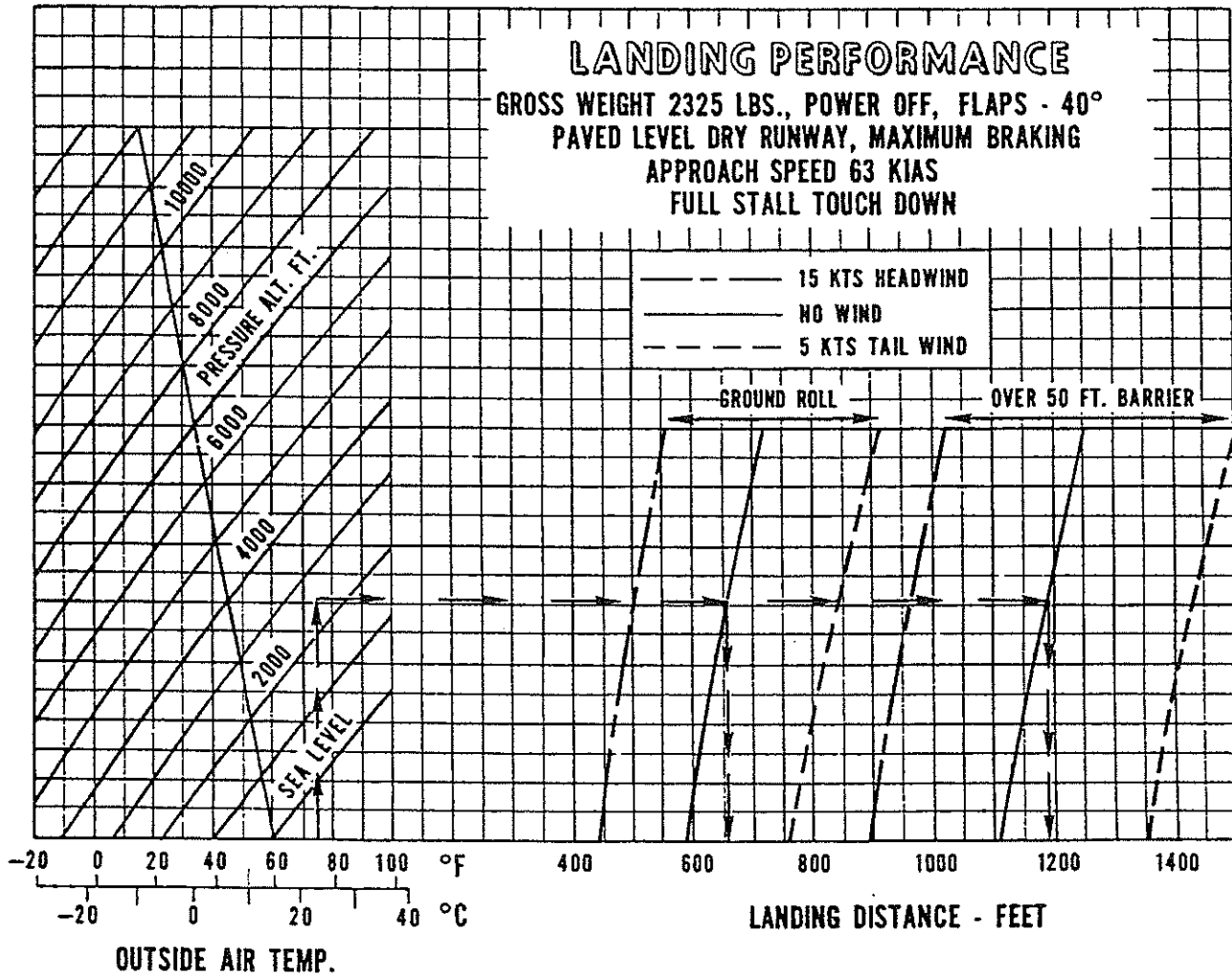
Lift-off speed: 50 KIAS

Barrier speed: 55 KIAS

NORMAL SHORT FIELD TAKEOFF DISTANCE - NO OBSTACLE

Figure 5-6

PA-28-161

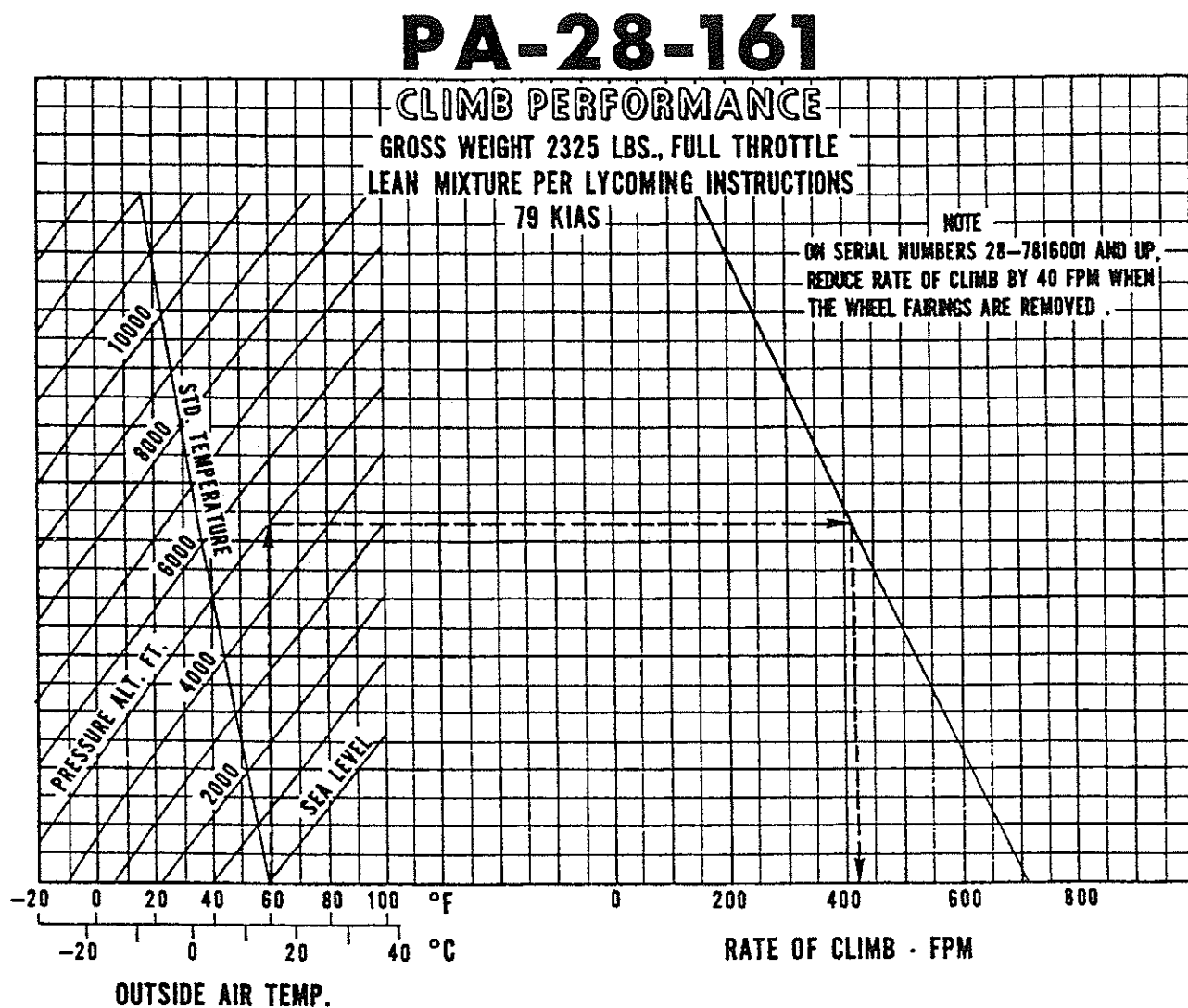


Example:

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



Example:

Climb pressure altitude: 5000 ft.

Climb OAT: 60°F

Rate of climb: 420 ft/min.

CLIMB PERFORMANCE

Figure 5-11