

LOAD DATA SHEET

ANJOG PTY. LTD.

AIRCRAFT TYPE : **PIPER PA28-161**

AIRCRAFT REG: **VH-LXP**

AIRCRAFT LOADING SYSTEM: **PIPER PA28-161 P.O.H.**

AUTHORISED	DATE	DATE of EXPIRY	ISSUE
H.J.GREAVES AV58	14/04/2014	INDEFINITE inw CAO 100.7	1



Approved
H J Greaves AV - 58

ITEM	WEIGHT	ARM	INDEX UNITS	CONFIGURATION
BASIC WT.	709.8 kg	2205 mm	1565109	4 SEAT PASS.
BASIC WT.	1564.9 lb	86.80 in	135871	4 SEAT PASS.

DATUM: 1991 mm FORWARD OF WING LEADING EDGE

ABOVE WEIGHTS INCLUDE UNUSABLE FUEL & FULL OIL

NOTE : It is the responsibility of the Pilot in command to ensure that the aircraft is loaded in accordance with Flight Manual limitations.

THIS IS A VALIDATION OF USA DATA

SECTION 6
WEIGHT AND BALANCE

PA-28-161, WARRIOR III

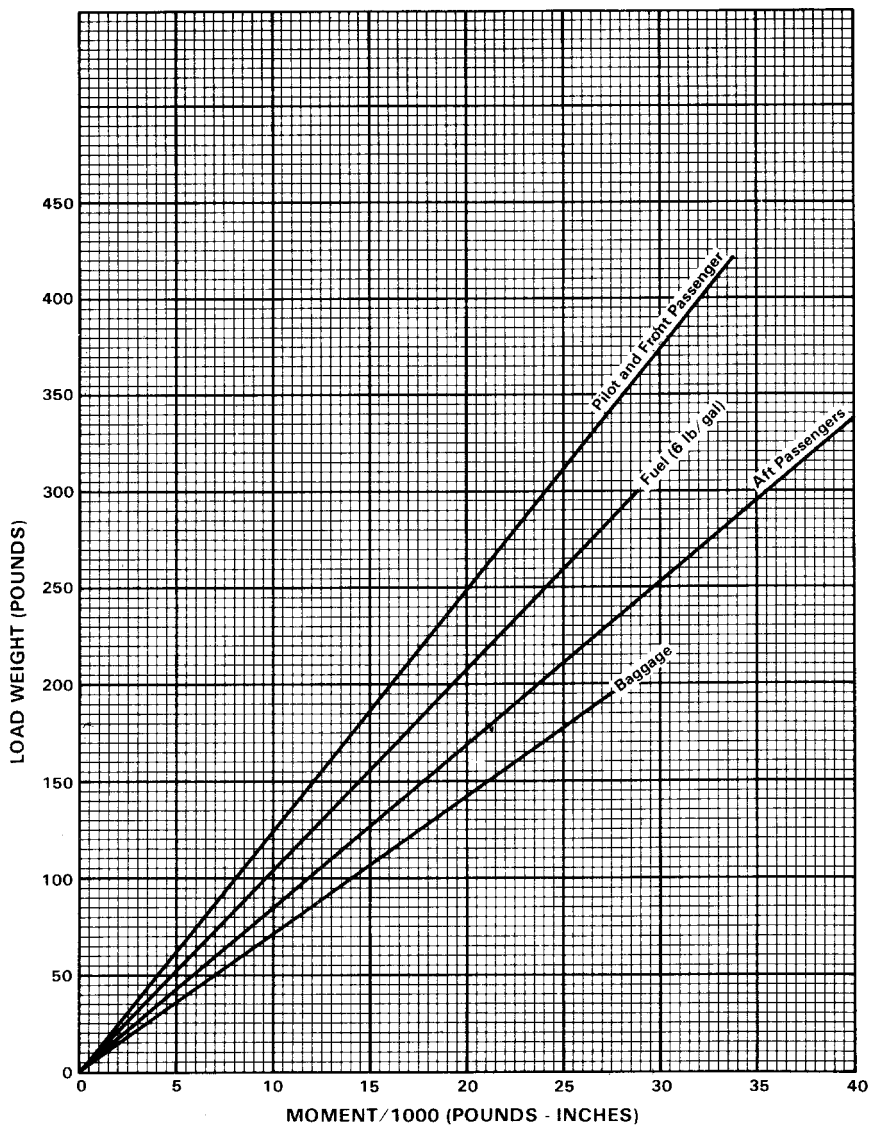
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passengers (Rear Seats)*		118.1	
Fuel (48 Gallon Maximum)		95.0	
Baggage* (200 Lbs. Maximum)		142.8	
Ramp Weight (2447 Lbs. Normal, 2027 Lbs. Utility Maximum)			
Fuel Allowance For Engine Start, 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.

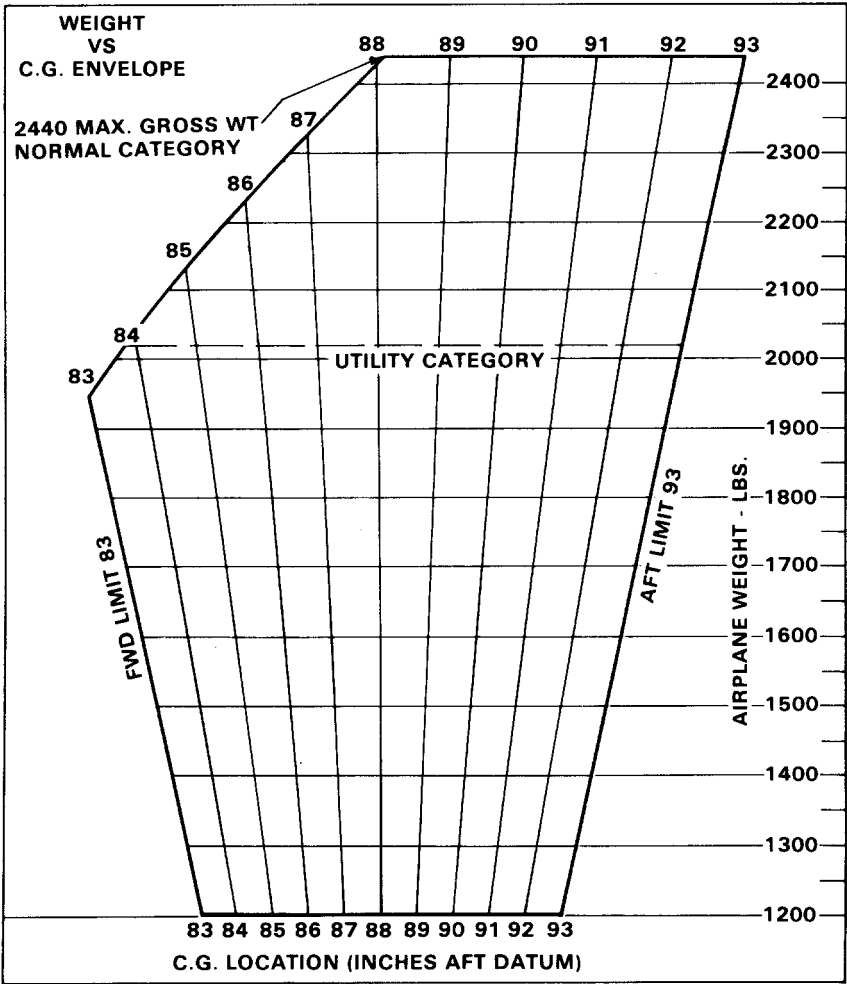
WEIGHT AND BALANCE LOADING FORM

Figure 6-11

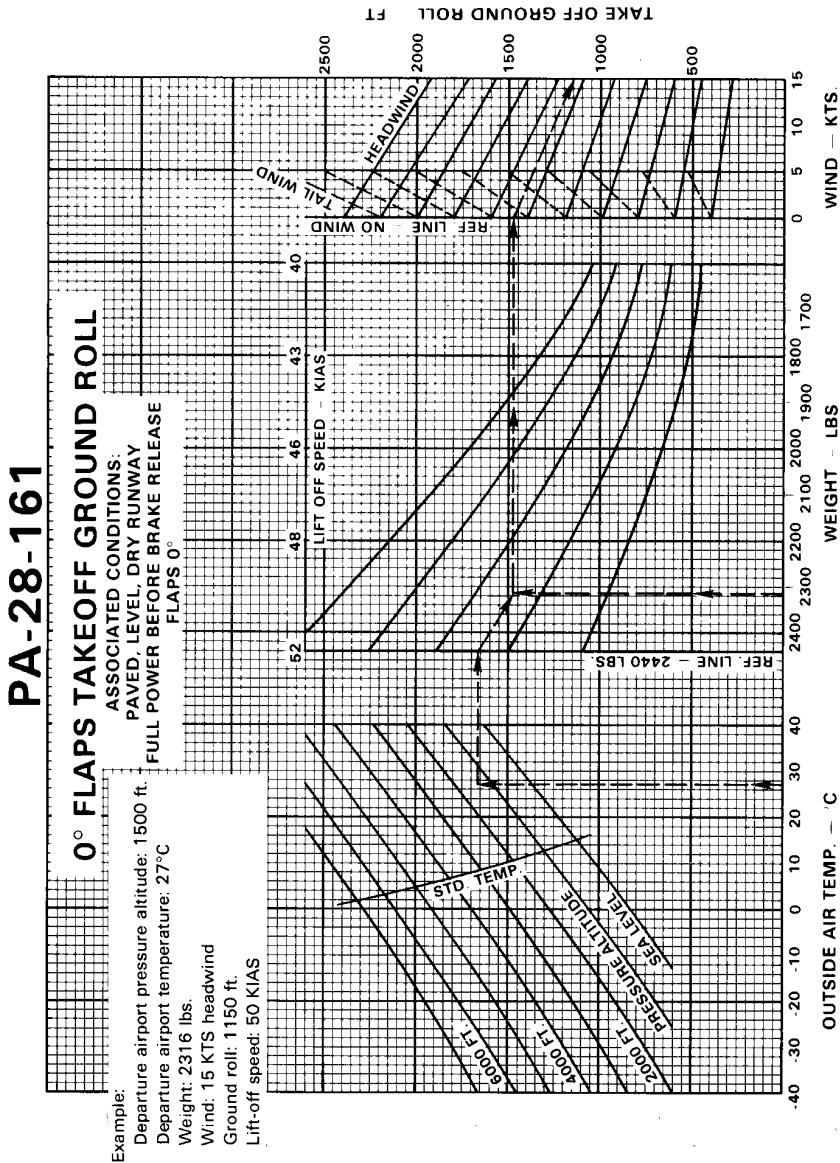


LOADING GRAPH

Figure 6-13

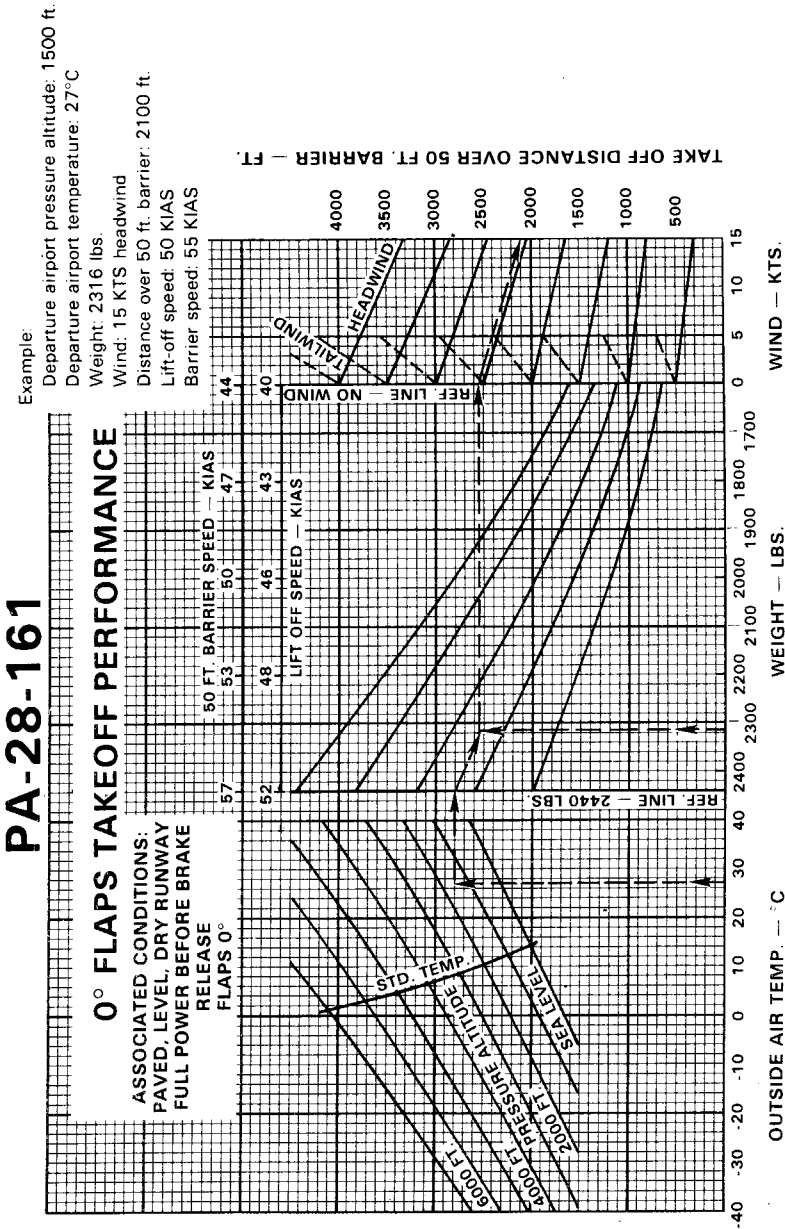


C.G. RANGE AND WEIGHT
Figure 6-15



0° FLAPS TAKEOFF GROUND ROLL

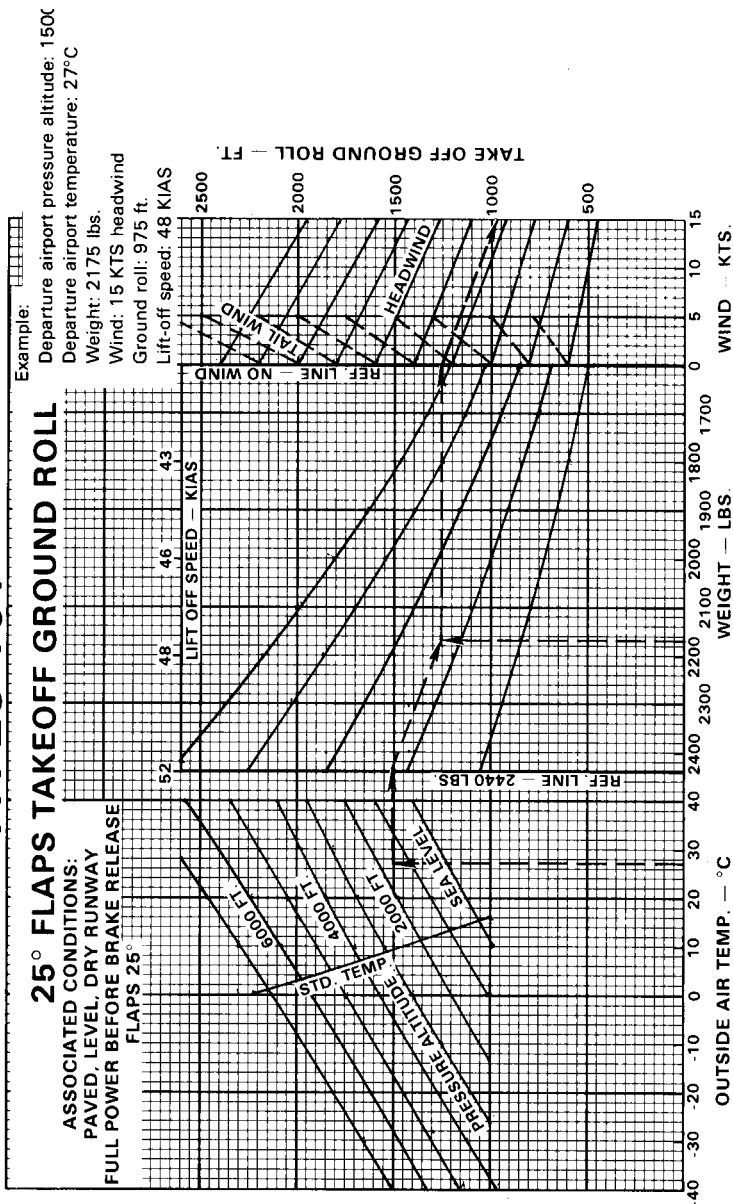
Figure 5-7



0° FLAPS TAKEOFF PERFORMANCE

Figure 5-9

PA-28-161



25° FLAPS TAKEOFF GROUND ROLL

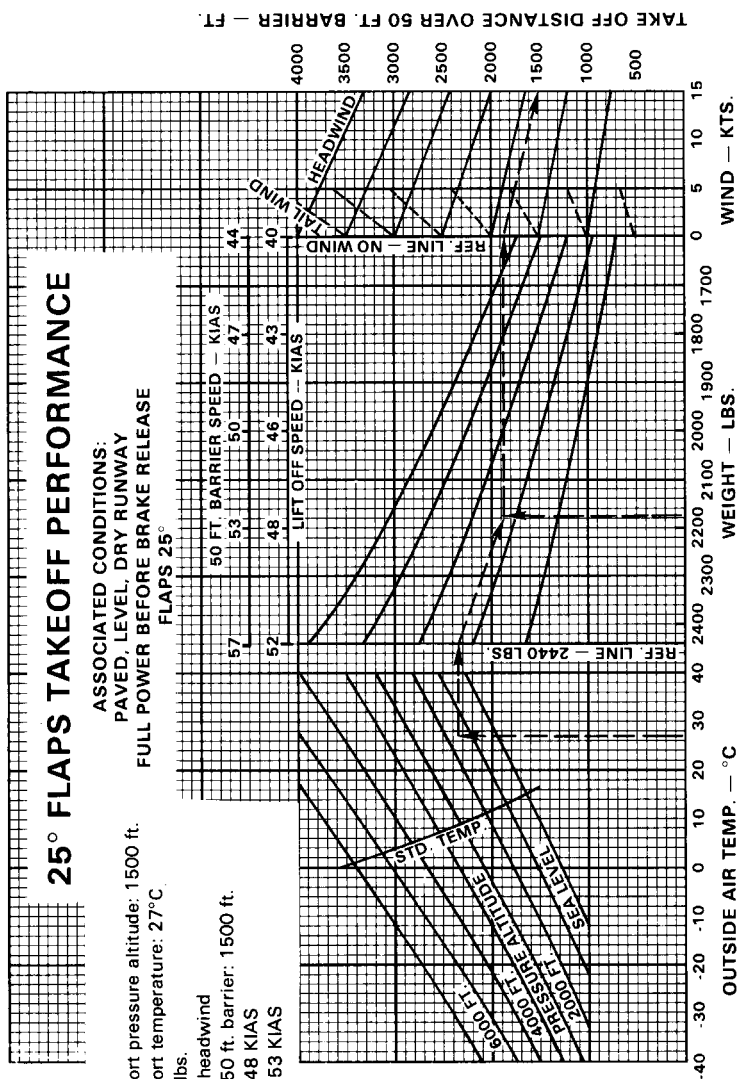
Figure 5-11

PA-28-161

25° FLAPS TAKEOFF PERFORMANCE

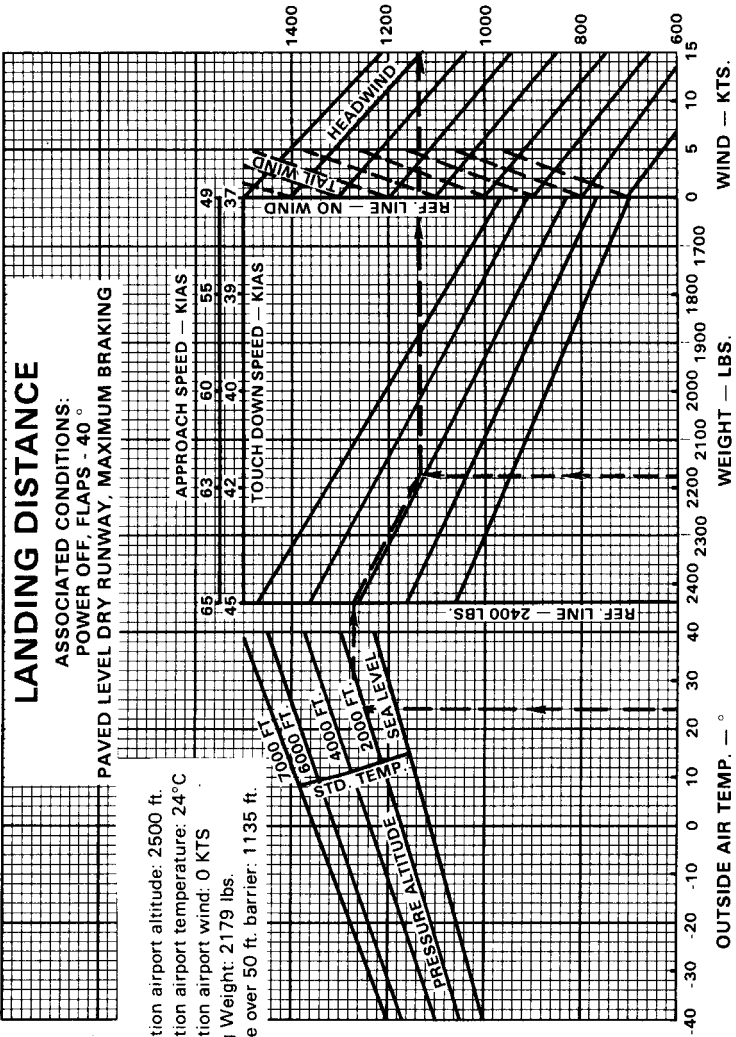
**ASSOCIATED CONDITIONS:
PAVED, LEVEL, DRY RUNWAY
FULL POWER BEFORE BRAKE RELEASE
FLAPS 25°**

Example:
 Departure airport pressure altitude: 1500 ft.
 Departure airport temperature: 27°C.
 Weight: 2175 lbs.
 Wind: 15 KTS headwind
 Distance over 50 ft. barrier: 1500 ft.
 Lift-off speed: 48 KIAS
 Barrier speed: 43 KIAS



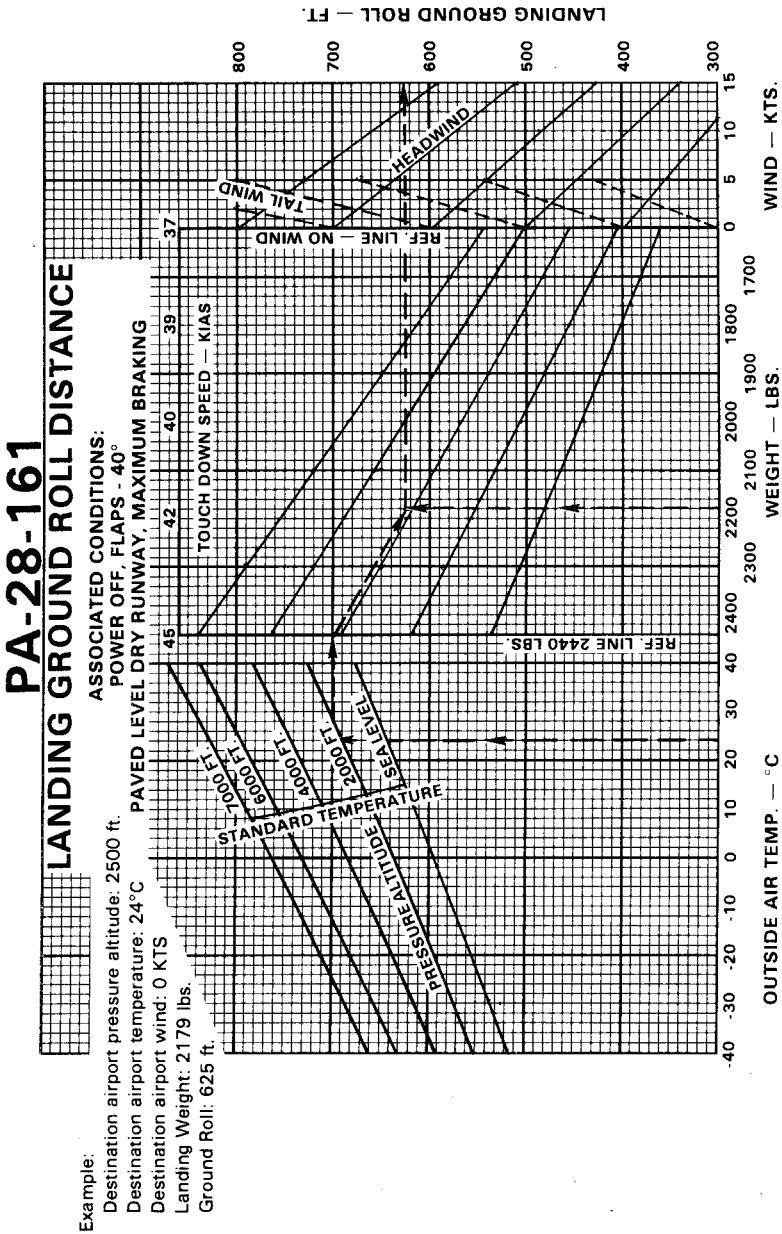
25° FLAPS TAKEOFF PERFORMANCE

PA-28-161



Example:
Destination airport altitude: 2500 ft.
Destination airport temperature: 24°C
Destination airport wind: 0 KTS
Landing Weight: 2179 lbs.
Distance over 50 ft. barrier: 1135 ft.

LANDING DISTANCE
Figure 5-35



LANDING GROUND ROLL DISTANCE

Figure 5-37