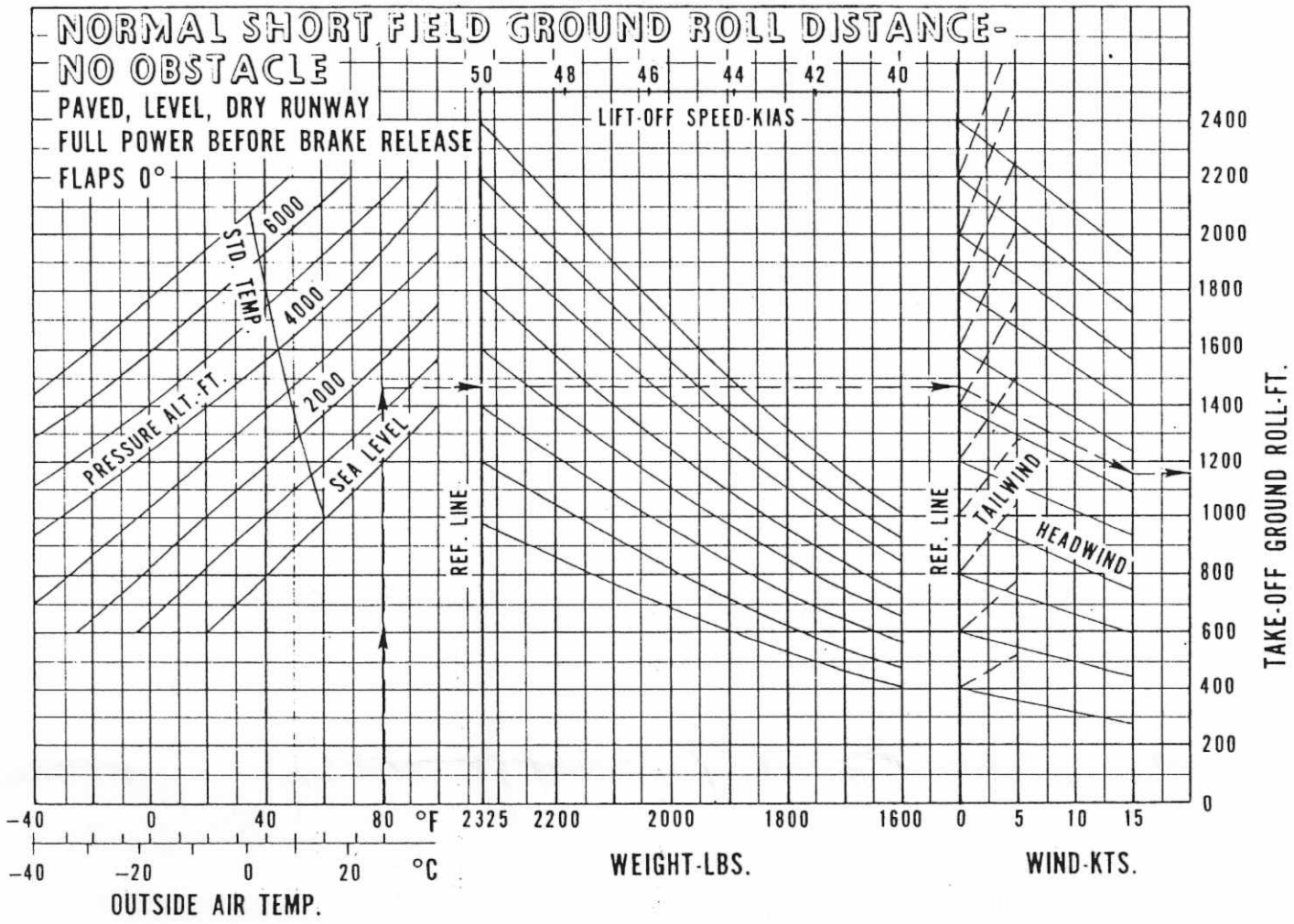
PA-28-161

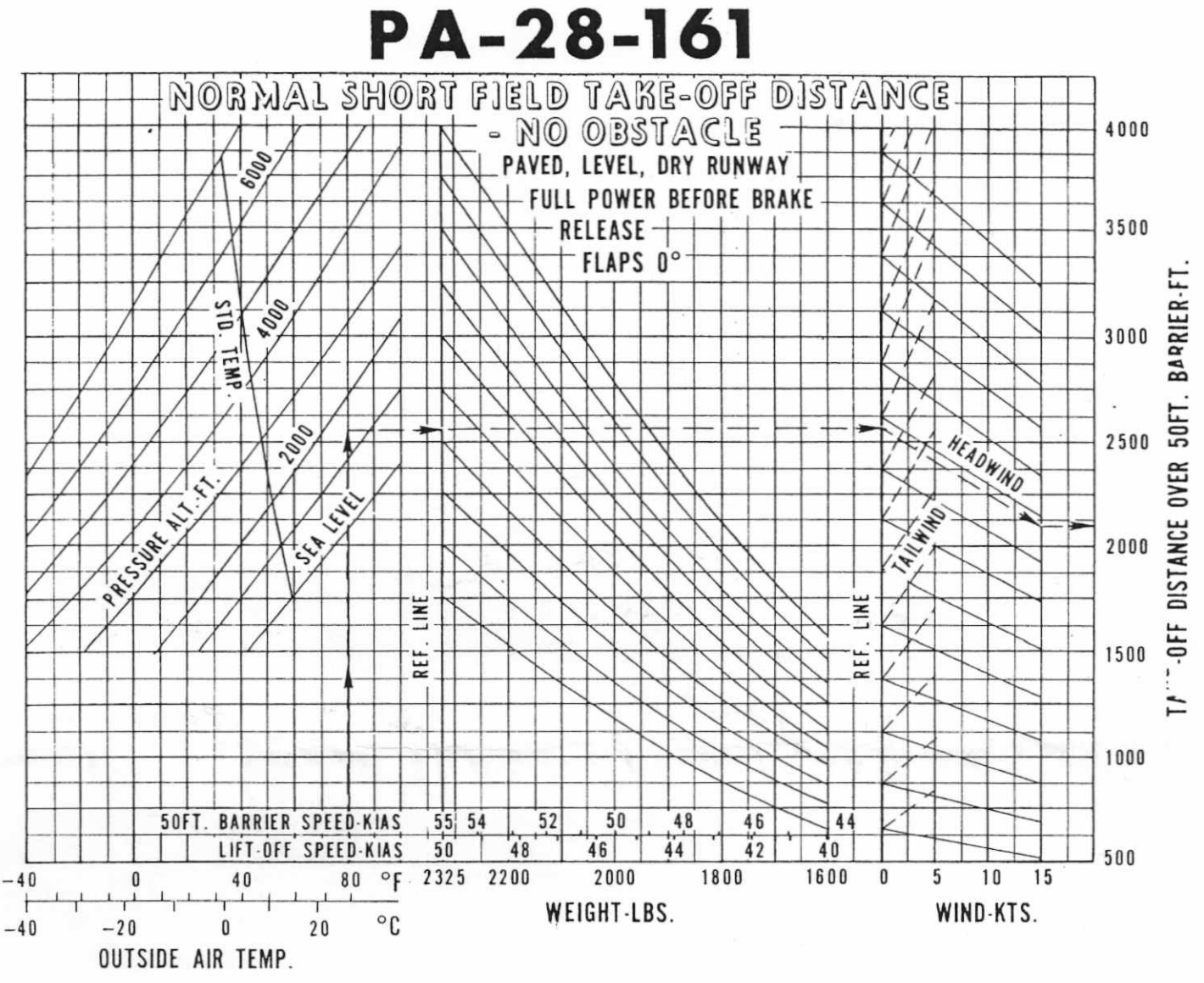


Example:

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

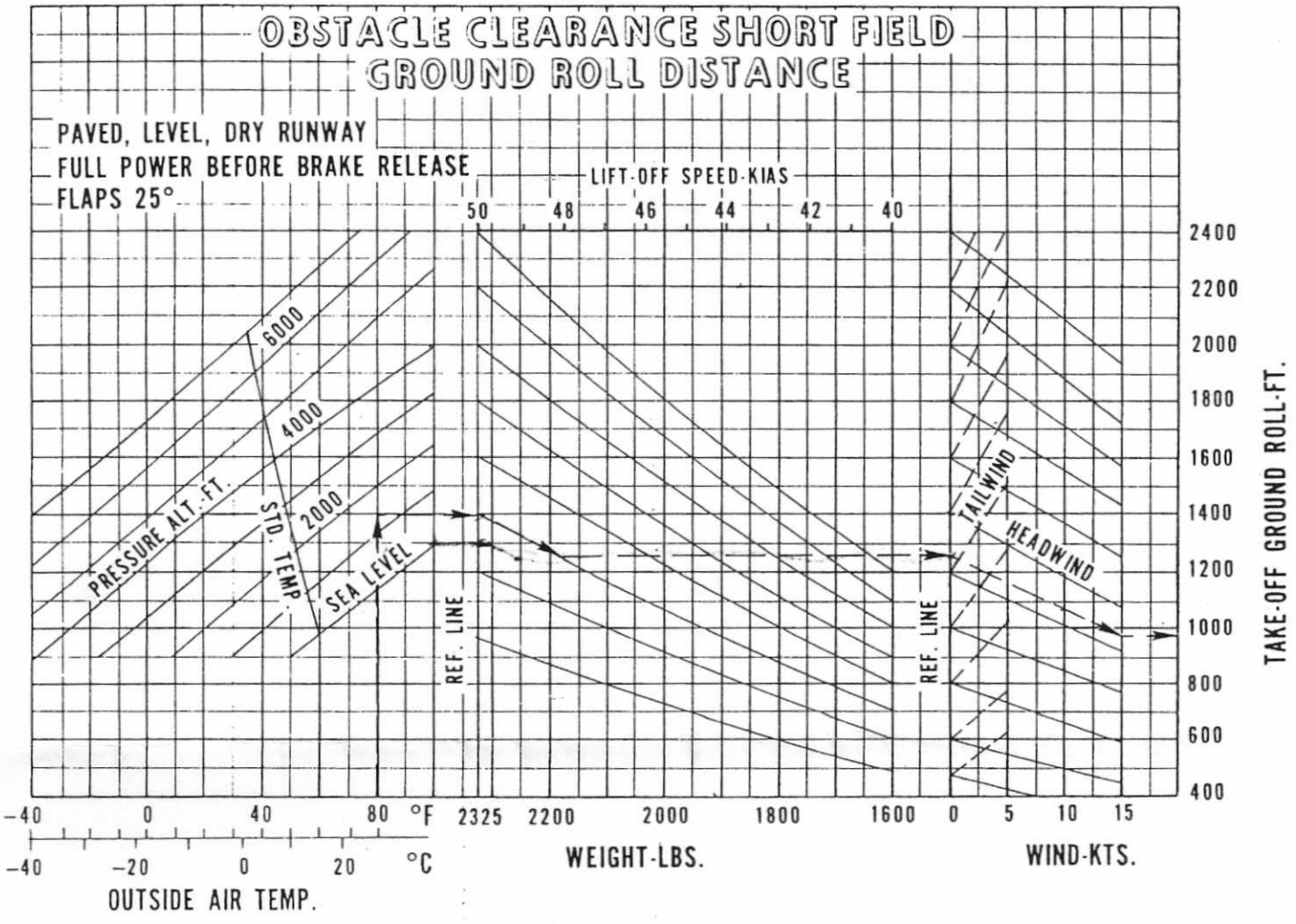


Example:
Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80° F
Weight: 2325 lbs.
Wind: 15 KTS headwind
Distance over 50 ft. barrier: 2100 ft.
Lift-off speed: 50 KIAS
Barrier speed: 55 KIAS

NORMAL SHORT FIELD TAKEOFF DISTANCE - NO OBSTACLE

Figure 5-6

PA-28-161

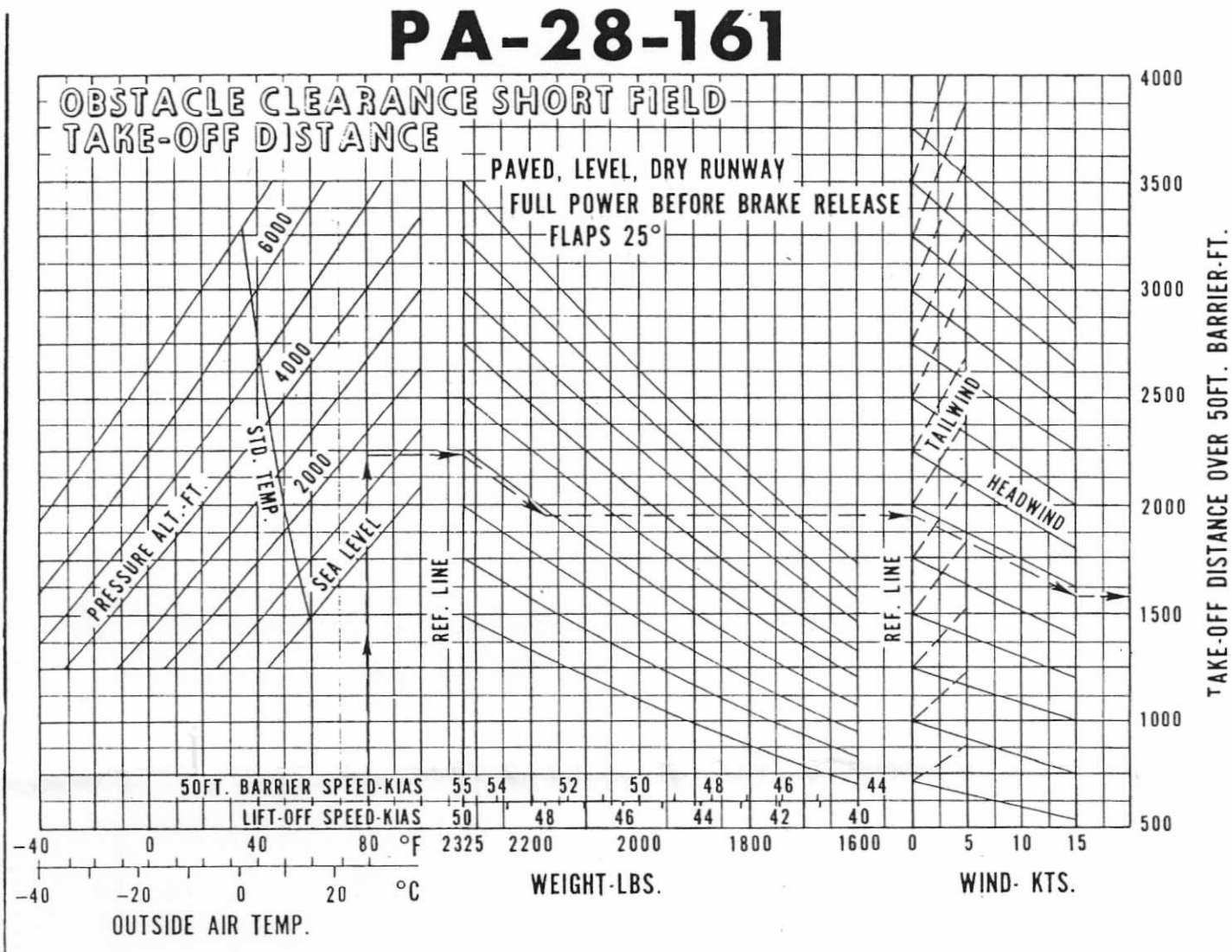


Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 80° F
Weight: 2175 lbs.
Wind: 15 KTS headwind
Ground roll: 975 ft.
Lift-off speed: 48 KIAS

OBSTACLE CLEARANCE SHORT FIELD GROUND ROLL DISTANCE

Figure 5-7

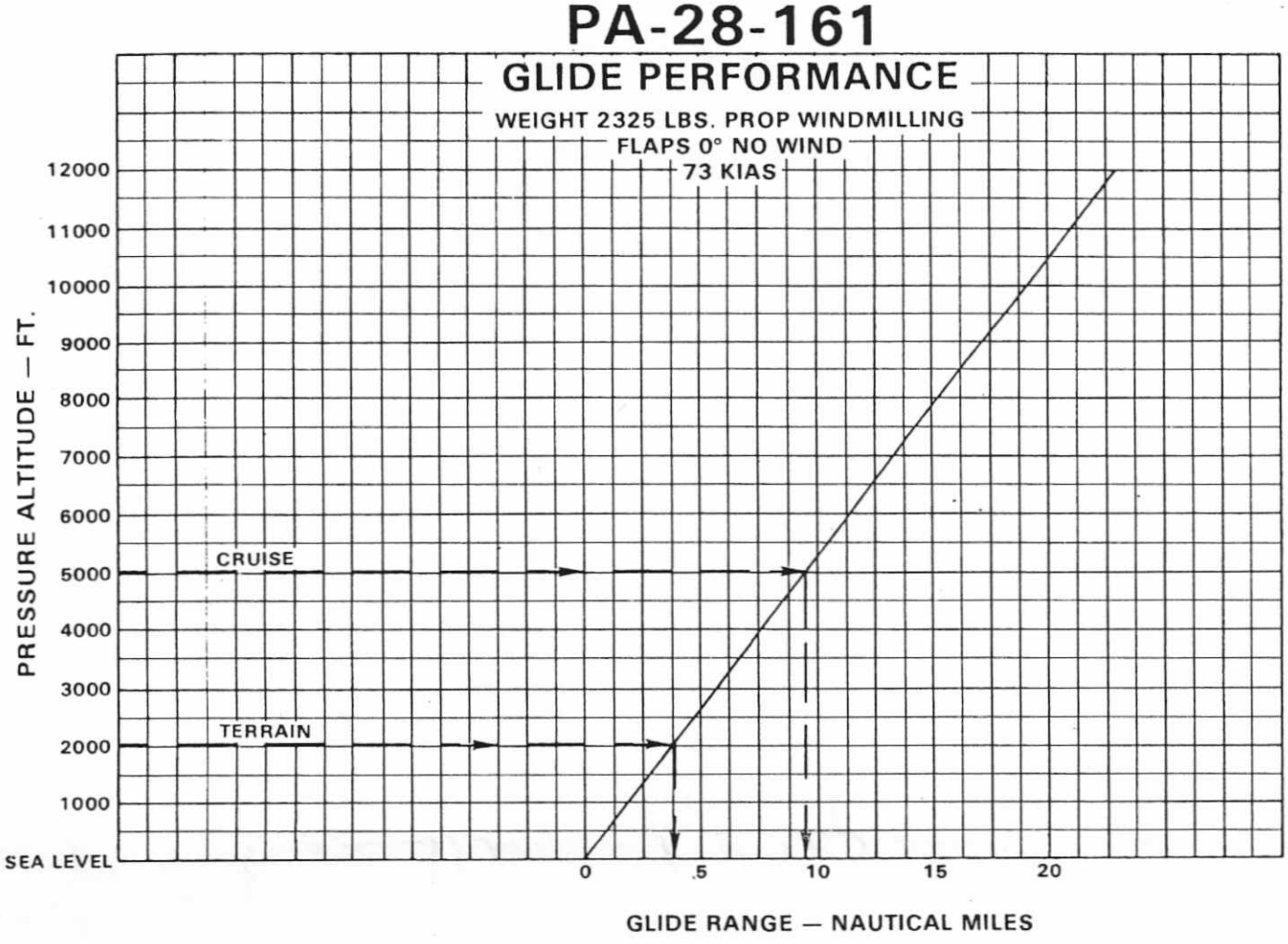


Example:

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

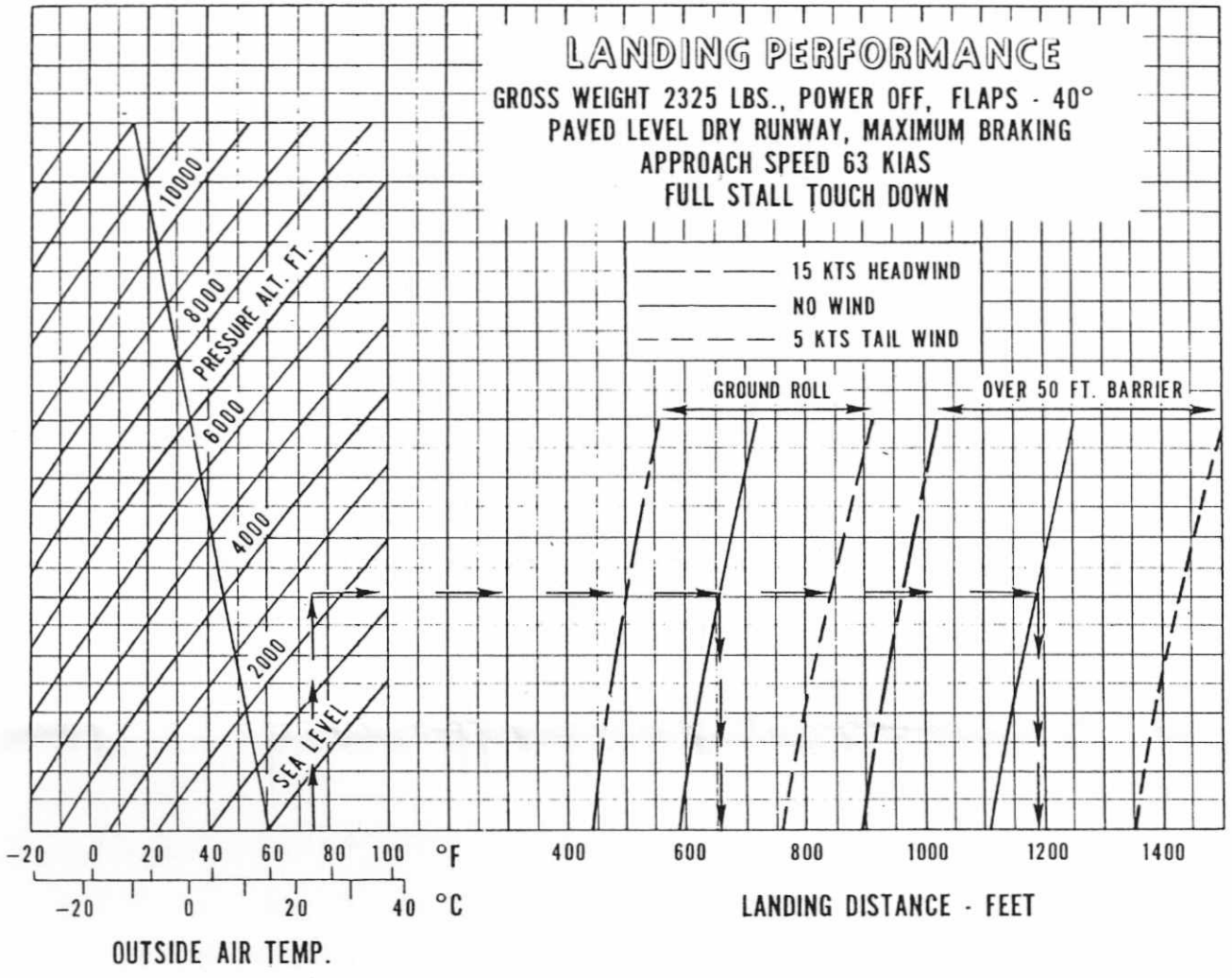


Example:
Cruise pressure altitude: 5000 ft.
Terrain pressure altitude: 2000 ft.
Glide distance (9.5 miles minus 3.8 miles): 5.7 nautical miles

GLIDE PERFORMANCE

Figure 5-27

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