

Example:

Departure airport pressure altitude: 1500 ft. Departure airport temperature: 80° F

Weight: 2325 lbs.

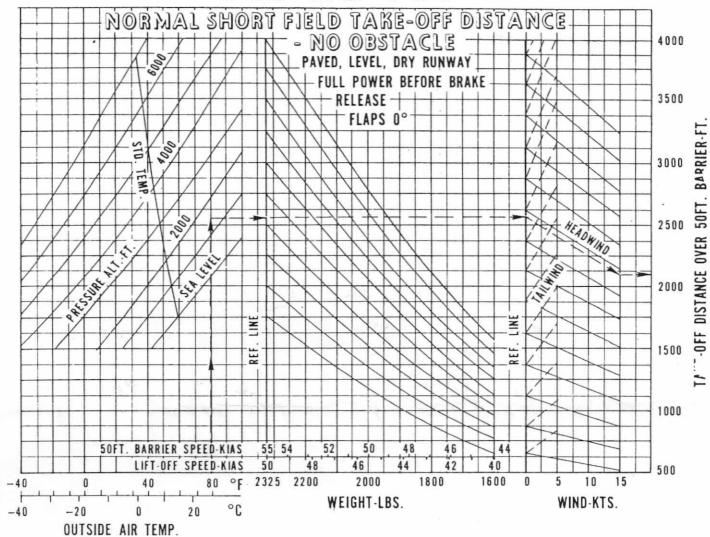
Wind: 15 KTS headwind Ground roll: 1150 ft. Lift-off speed: 50 KIAS

NORMAL SHORT FIELD GROUND ROLL DISTANCE - NO OBSTACLE

Figure 5-5

ISSUED: DECEMBER 16, 1976 REVISED: JULY 11, 1977 REPORT: VB-880

5-13



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

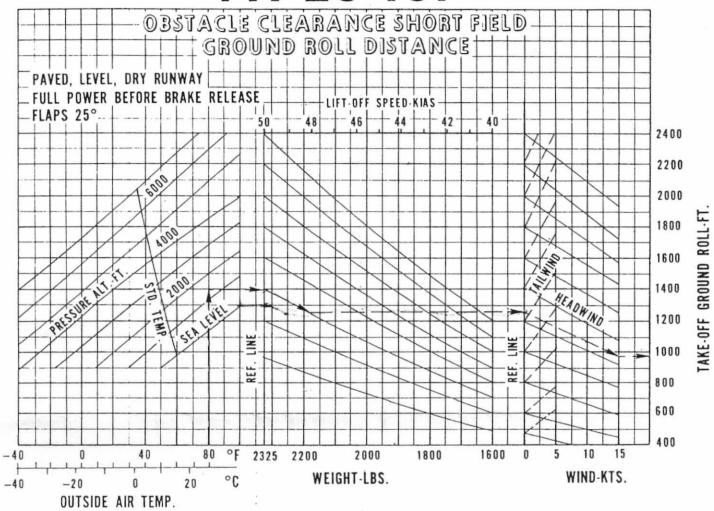
Figure 5-6

REPORT: VB-880

5-14

ISSUED: DECEMBER 16, 1976

REVISED: JULY 11, 1977



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

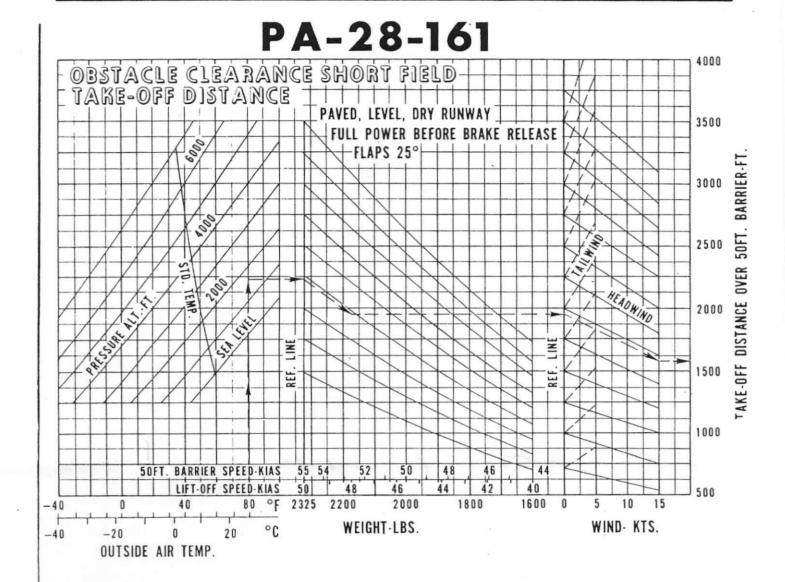
Figure 5-7

ISSUED: DECEMBER 16, 1976

REVISED: JULY 11, 1977

REPORT: VB-880

5-15



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

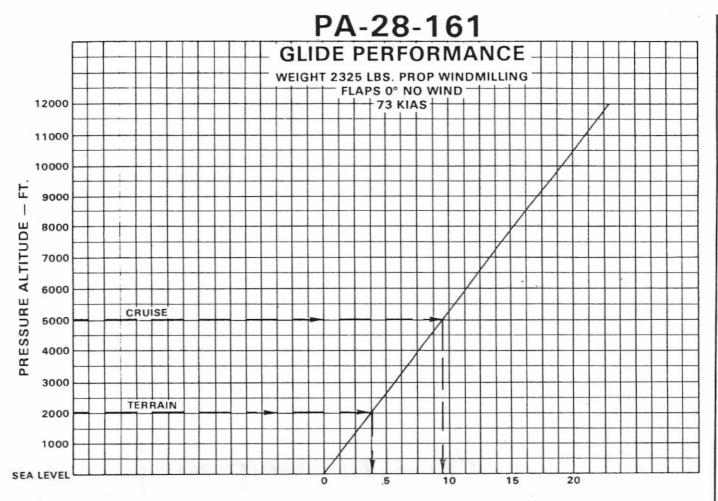
Figure 5-8

REPORT: VB-880

5-16

ISSUED: DECEMBER 16, 1976

REVISED: JULY 11, 1977



GLIDE RANGE - NAUTICAL MILES

Example:

Cruise pressure altitude: 5000 ft. Terrain pressure altitude: 2000 ft.

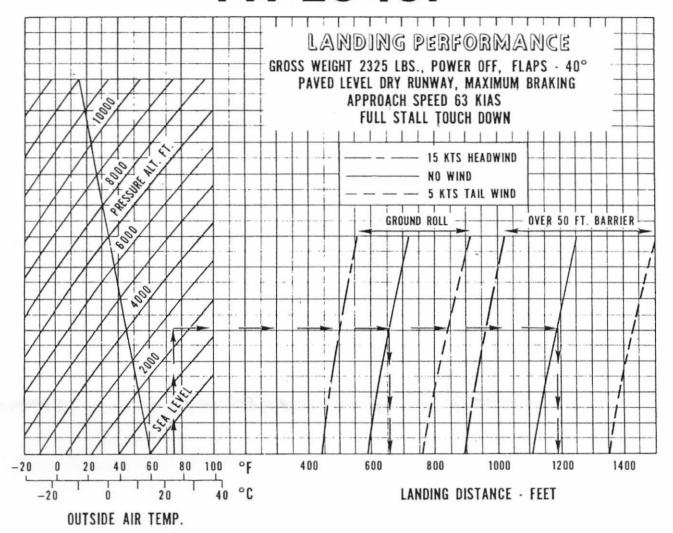
Glide distance (9.5 miles minus 3.8 miles): 5.7 nautical miles

GLIDE PERFORMANCE

Figure 5-27

ISSUED: JULY 11, 1977 REVISED: JULY 3, 1979 REPORT: VB-880

5-31



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

REPORT: VB-880

5-32

ISSUED: JULY 11, 1977