

PA-28RT-201T

FUEL, TIME AND DISTANCE TO DESCEND

ASSOCIATED CONDITIONS:

WING FLAPS - 0° GEAR UP
130 KIAS, 1000 FPM DESCENT,
2400 RPM & THROTTLE AS REQ'D.
ZERO WIND

Example.

Cruise pressure altitude: 8500 ft.

Cruise OAT: 10°C

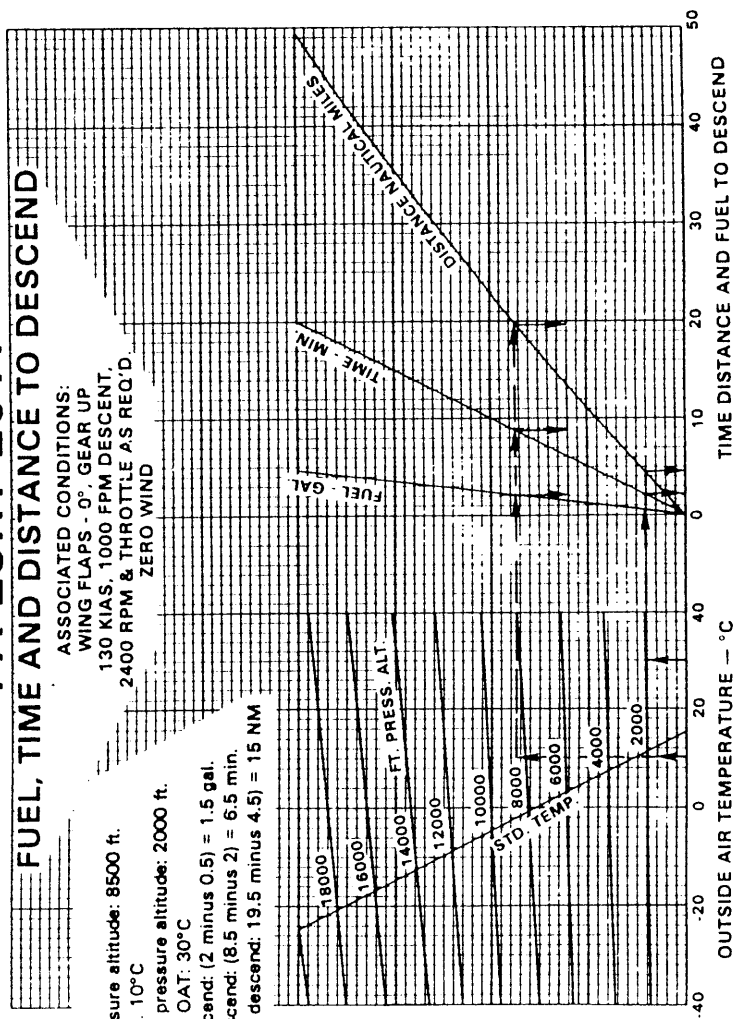
Destination pressure altitude: 2000 ft.

Destination OAT: 30°C

Fuel to descend: (2 minus 0.5) = 1.5 gal.

Time to descend: (8.5 minus 2) = 6.5 min.

Distance to descend: 19.5 minus 4.5 = 15 NM



FUEL, TIME AND DISTANCE TO DESCEND

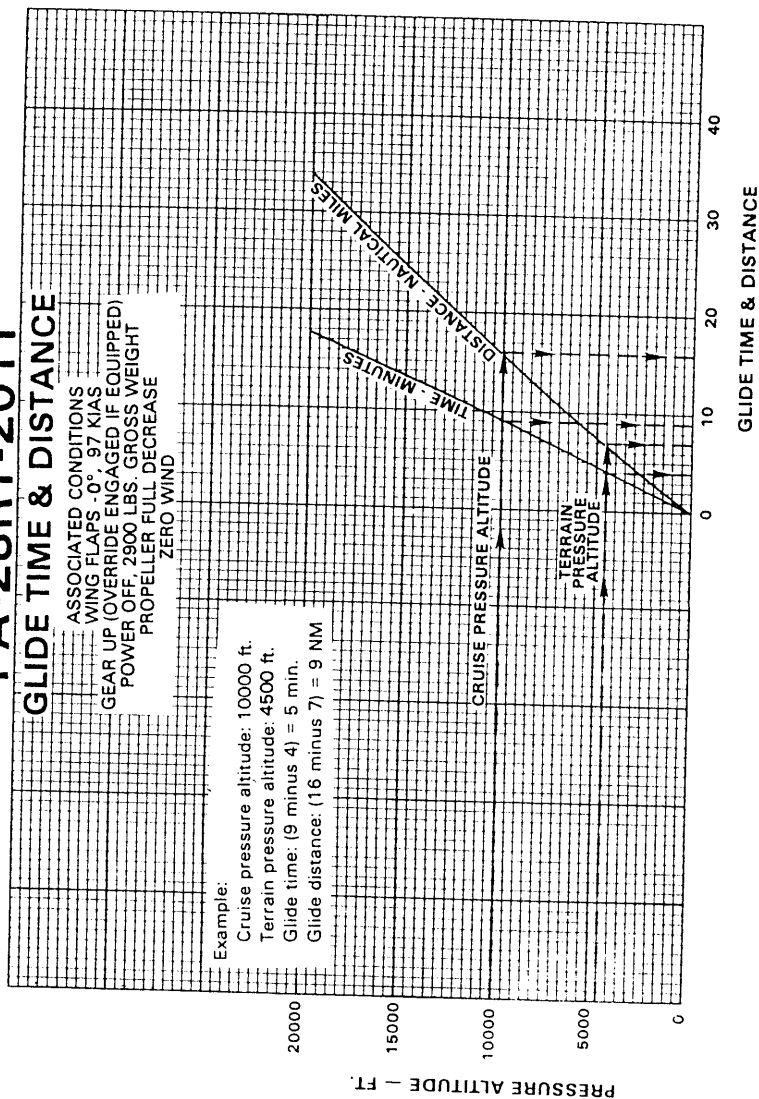
Figure 5-31

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GLIDE TIME & DISTANCE

ASSOCIATED CONDITIONS
 WING FLAPS - 0°, 97 KIAS
 GEAR UP (OVERRIDE ENGAGED IF EQUIPPED)
 POWER OFF, 2900 LBS. GROSS WEIGHT
 PROPELLER FULL, DECREASE
 ZERO WIND

Example:
 Cruise pressure altitude: 10000 ft.
 Terrain pressure altitude: 4500 ft.
 Glide time: (9 minus 4) = 5 min.
 Glide distance: (16 minus 7) = 9 NM



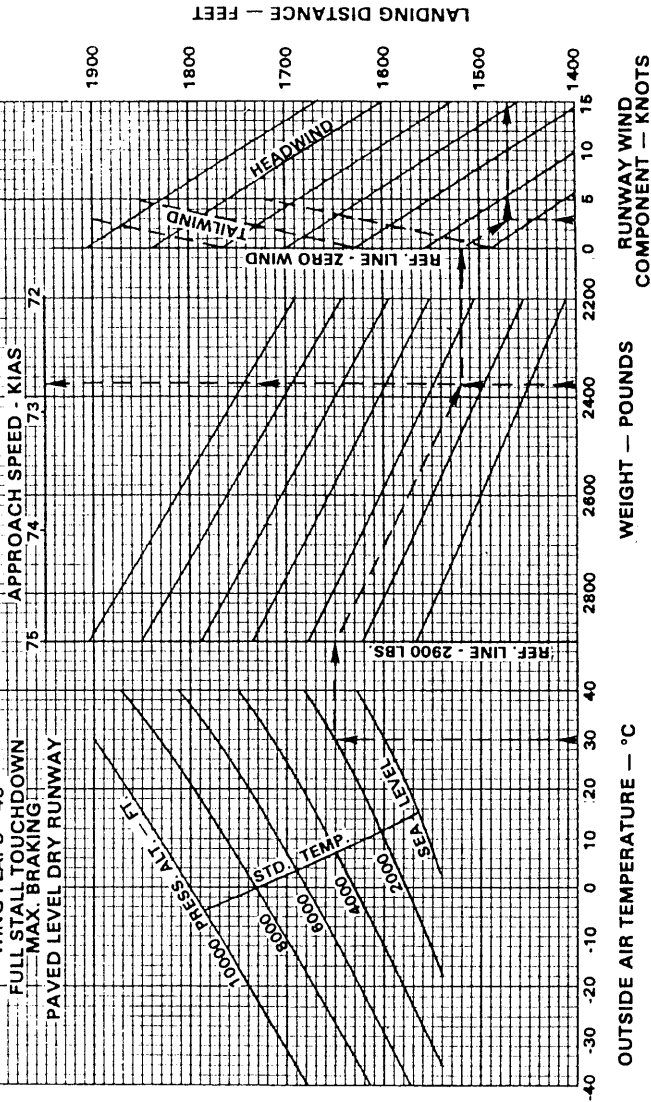
GLIDE TIME AND DISTANCE

Figure 5-33

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LANDING DISTANCE OVER 50 FT. BARRIER

- ASSOCIATED CONDITIONS:
- POWER - THROTTLE CLOSED
- WING FLAPS - 40°
- FULL STALL TOUCHDOWN
- MAX. BRAKING
- PAVED LEVEL DRY RUNWAY

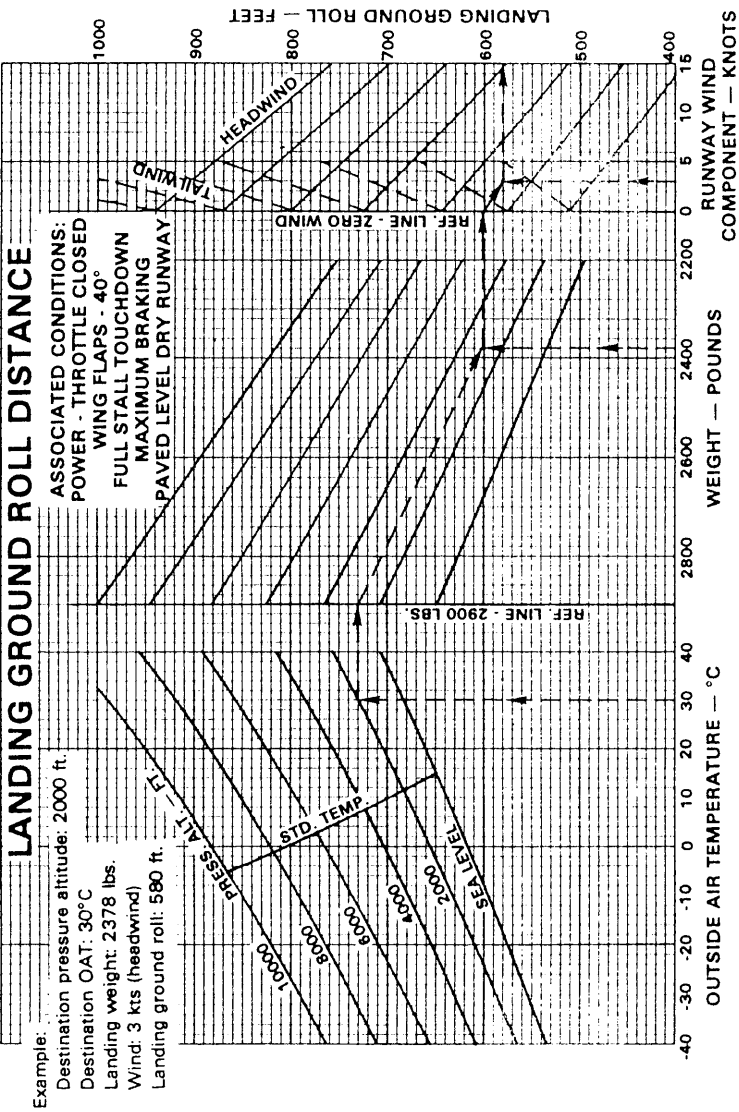


Example:
 Destination pressure altitude: 2000 ft.
 Destination OAT: 30°C
 Landing weight: 2378 lbs.; approach speed: 72.6 KIAS
 Wind: 3 knots (headwind)
 Landing distance: 1470 ft.

LANDING DISTANCE OVER 50 FT.

Figure 5-35

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LANDING GROUND ROLL DISTANCE
 Figure 5-37