

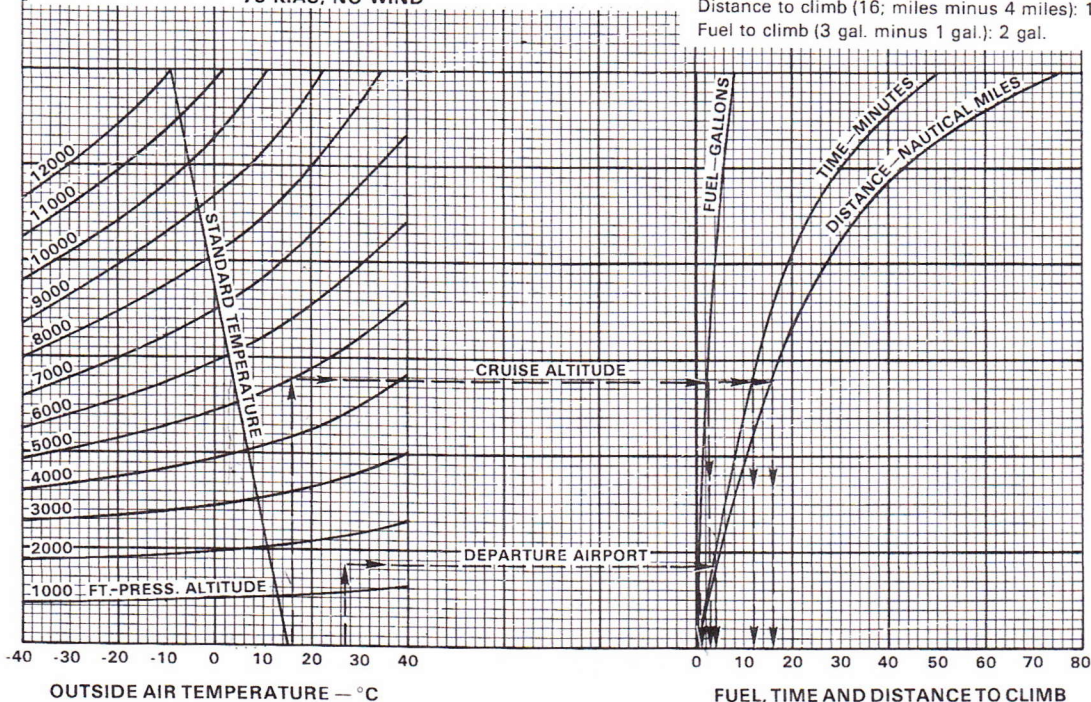
PA-28-161

Example:

Departure airport pressure altitude: 1500 ft.
Departure airport temperature: 27°C
Cruise pressure altitude: 5000 ft.
Cruise OAT: 16°C
Time to climb (12 min. minus 3 min.): 9 min.
Distance to climb (16 miles minus 4 miles): 12 nautical miles
Fuel to climb (3 gal. minus 1 gal.): 2 gal.

FUEL, TIME AND DISTANCE TO CLIMB

ASSOCIATED CONDITIONS:
WEIGHT 2440 LBS., FLAPS 0°, FULL THROTTLE
MIXTURE — LEANED PER LYCOMING INSTRUCTIONS
79 KIAS, NO WIND



FUEL, TIME AND DISTANCE TO CLIMB
Figure 5-19

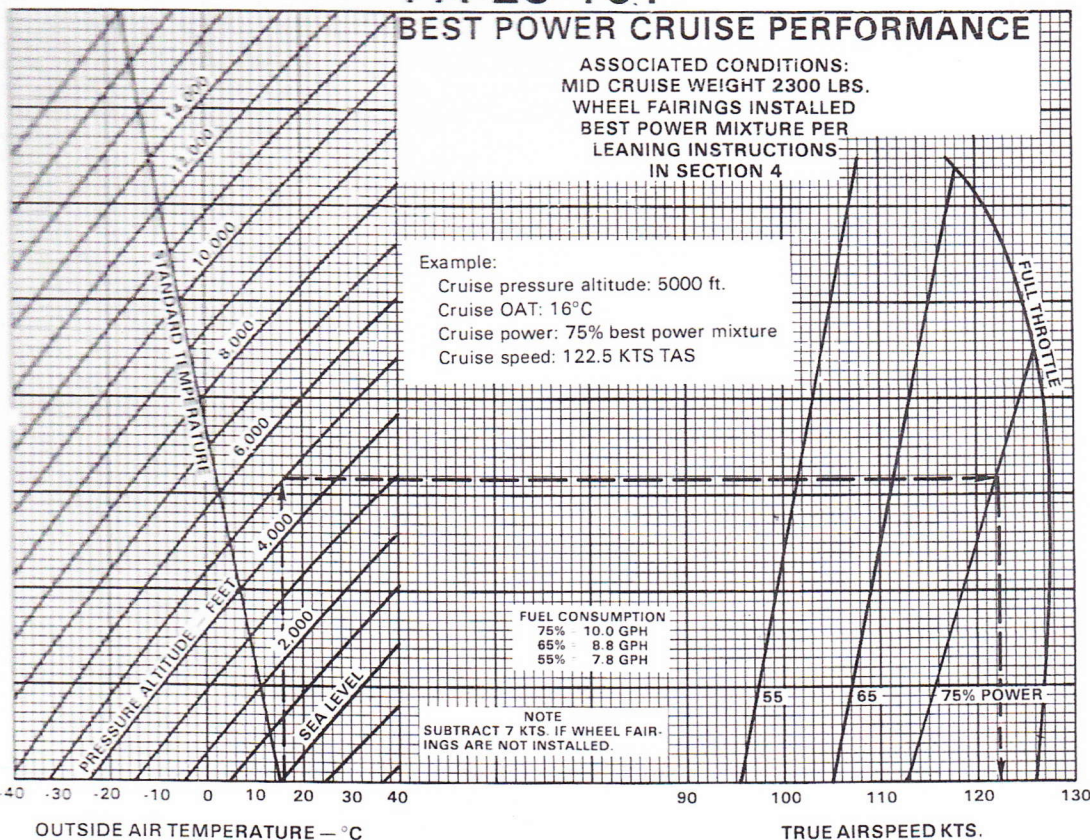
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BEST POWER CRUISE PERFORMANCE

ASSOCIATED CONDITIONS:
MID CRUISE WEIGHT 2300 LBS.
WHEEL FAIRINGS INSTALLED
BEST POWER MIXTURE PER
LEANING INSTRUCTIONS
IN SECTION 4

Example:

Cruise pressure altitude: 5000 ft.
Cruise OAT: 16°C
Cruise power: 75% best power mixture
Cruise speed: 122.5 KTS TAS



BEST POWER CRUISE PERFORMANCE
Figure 5-21