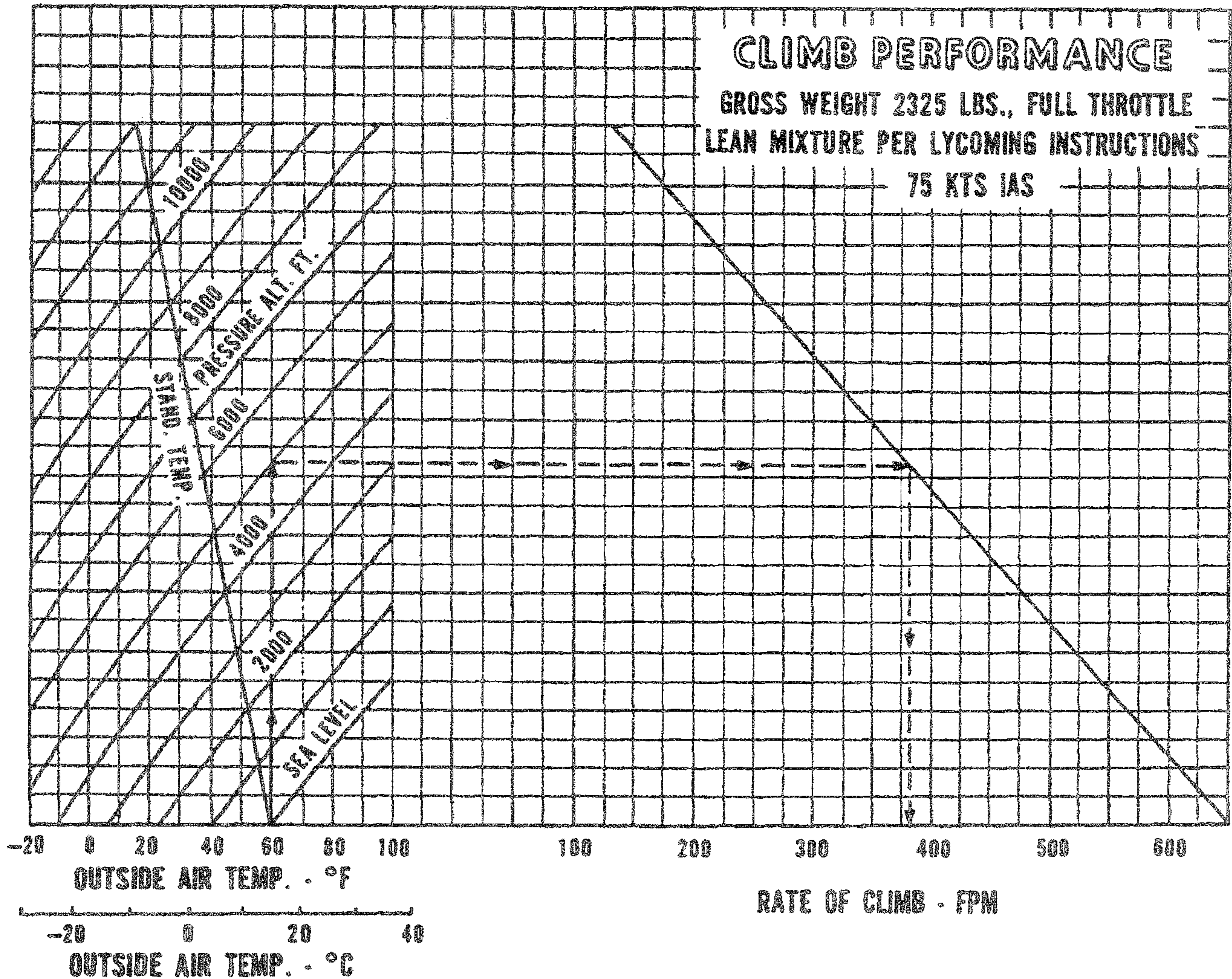


5.7 PERFORMANCE GRAPHS

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# PA-28-151



Example:

Climb pressure altitude: 5000 ft.

Climb OAT: 60°F

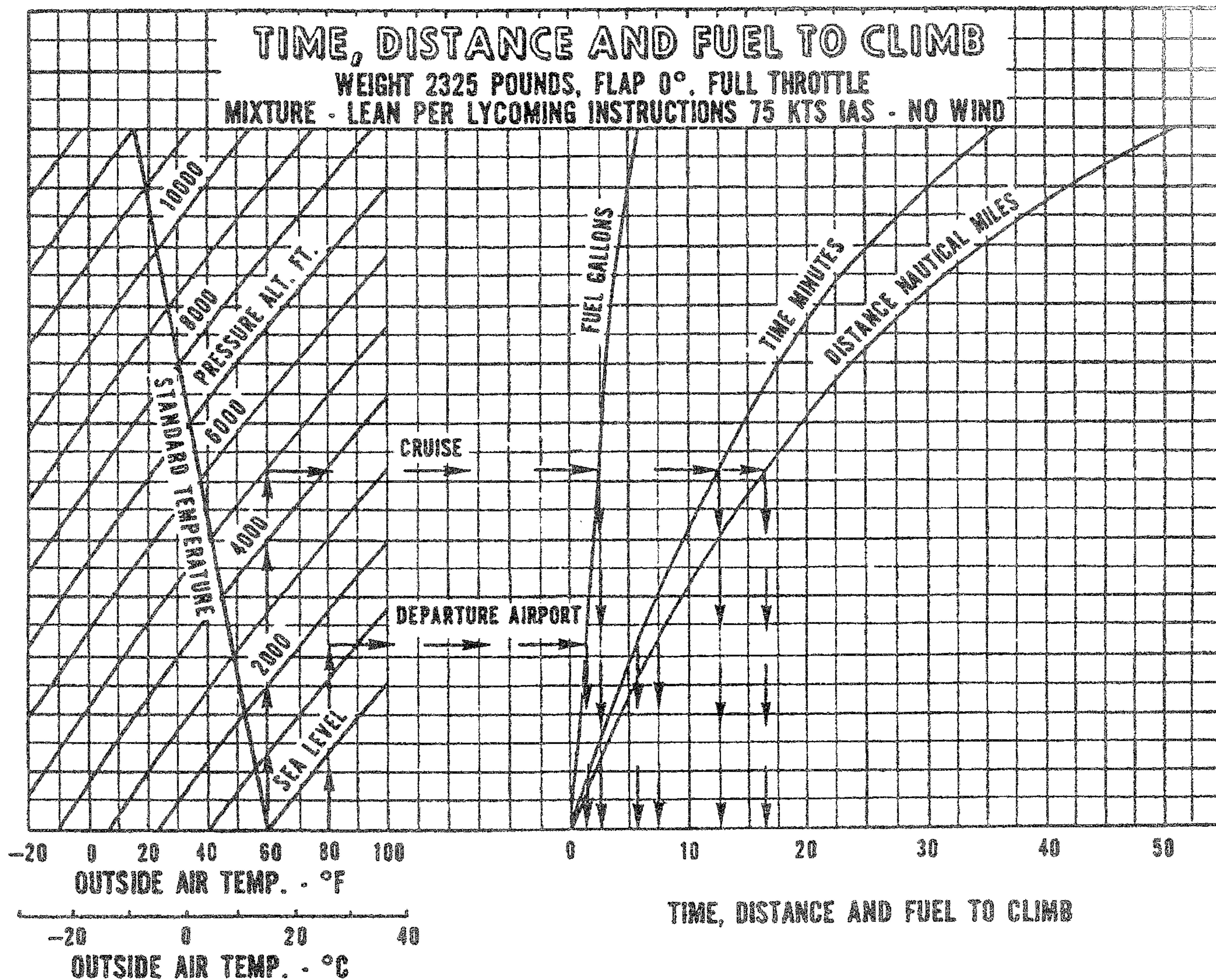
Rate of climb: 380 ft./min.

## CLIMB PERFORMANCE

Figure 5-11



# PA-28-151



Example:

Departure airport pressure altitude: 1500 ft.

Departure airport temperature: 80°F

Cruise pressure altitude: 5000 ft.

Cruise OAT: 60°F

Time to climb (12.5 min. minus 5.5 min.): 7 min.

Distance to climb (16.5 miles minus 7.5 miles): 9 nautical miles

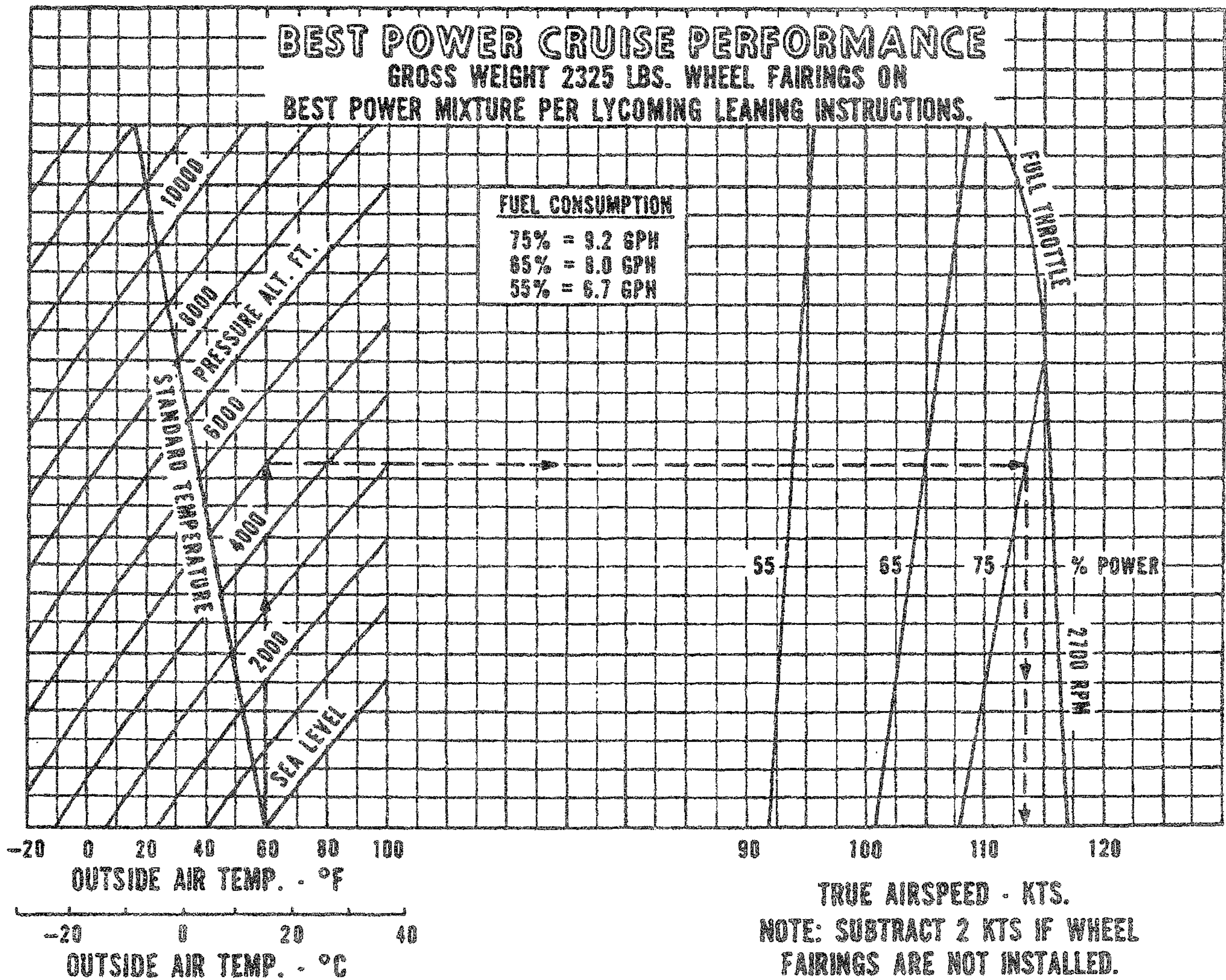
Fuel to climb (2.5 gal. minus 1.5 gal.): 1 gal.

TIME, DISTANCE AND FUEL TO CLIMB

Figure 5-13

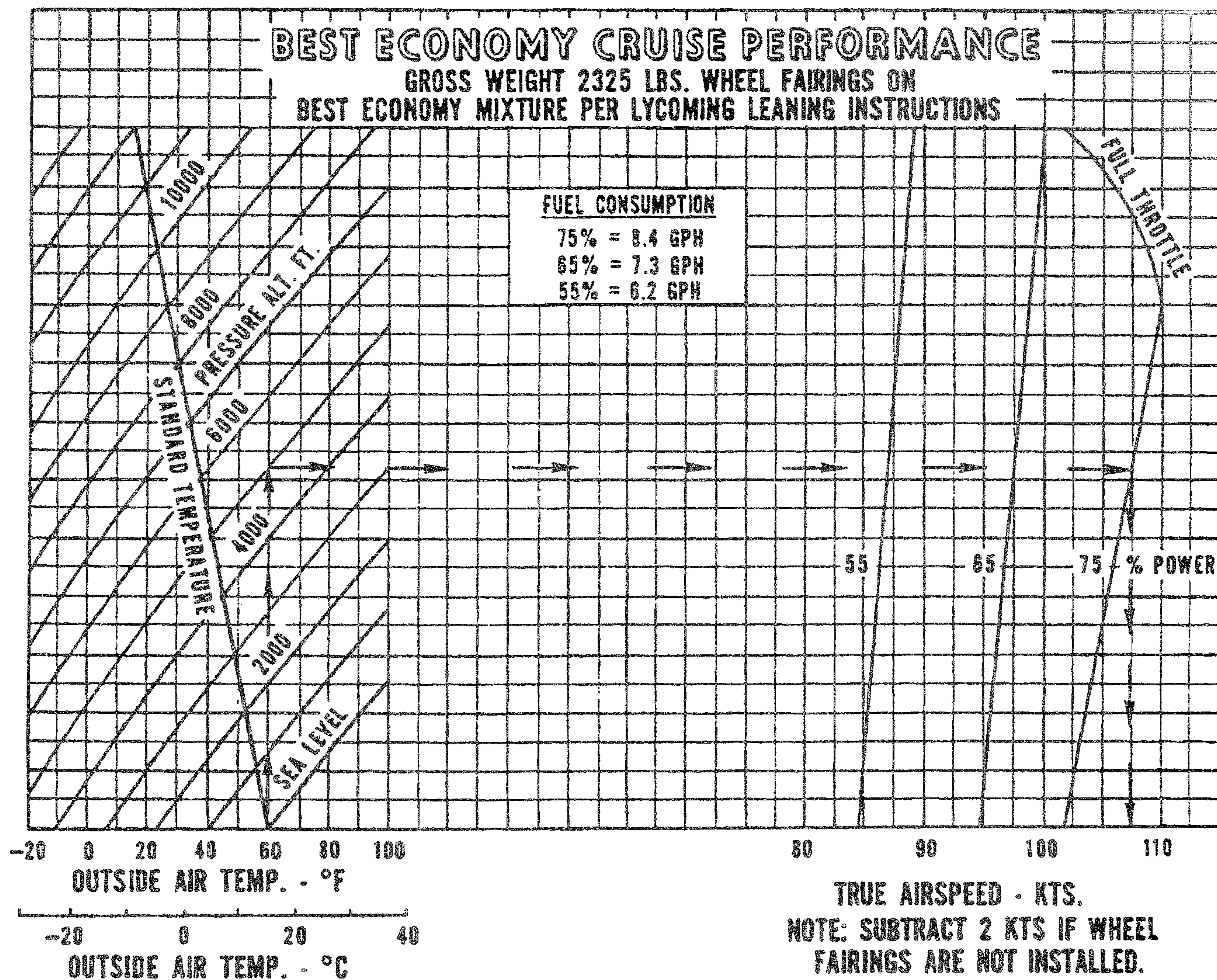


# PA-28-151



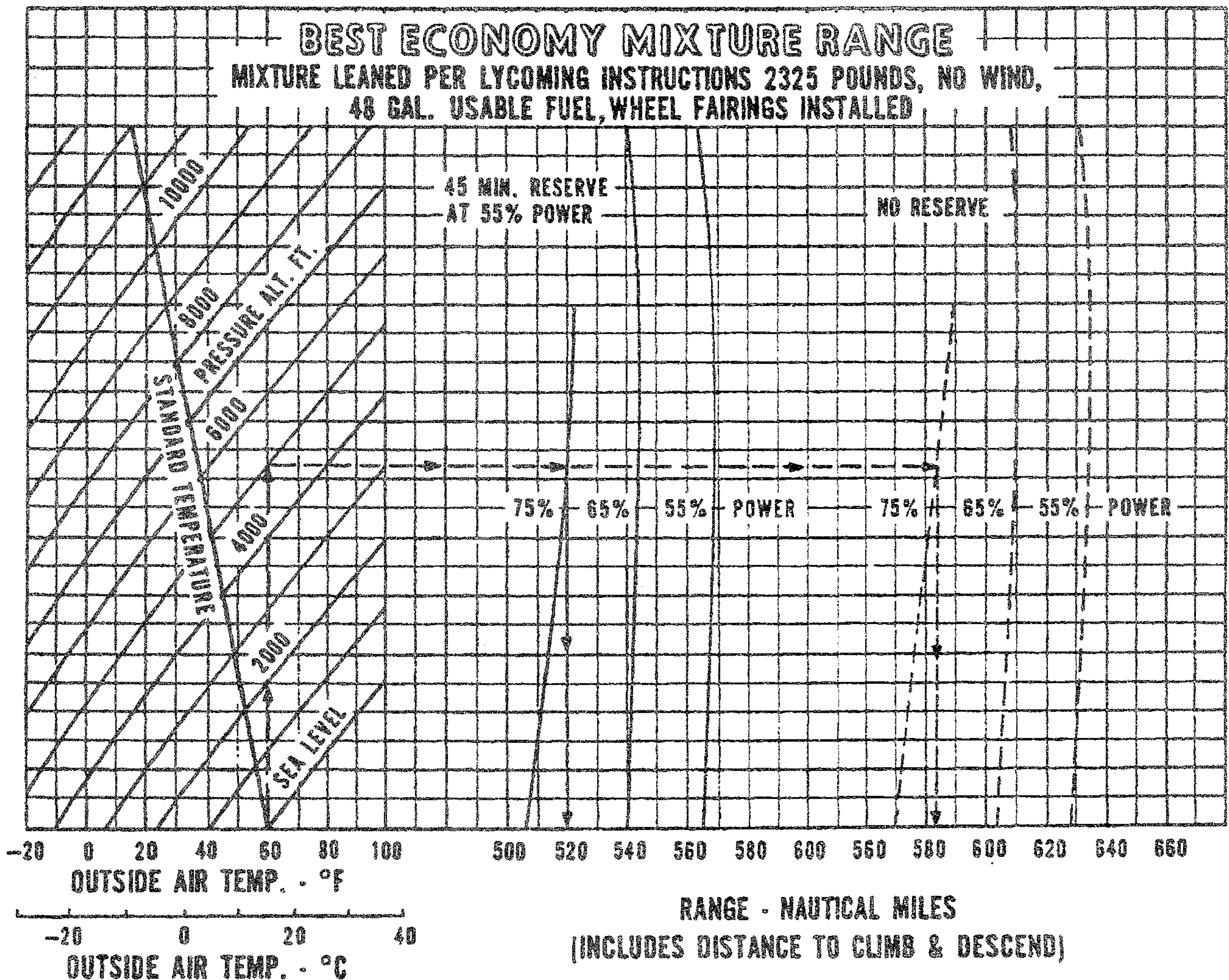


# PA-28-151





# PA-28-151



**Example:**

- Cruise pressure altitude: 5000 ft.
- Cruise OAT: 60°F
- Cruise power: 75%, Best Economy Mixture
- Range with 45 min. reserve at 55% power: 520 nautical miles
- Range with no reserve: 583 nautical miles

**BEST ECONOMY MIXTURE RANGE**

Figure 5-19

