

137MA Operation information

All temperatures in Fahrenheit
Revised December 22, 2008 - CW

Initial climb

- Objective: Keep CHTs under 400 degrees.
- Recommended warm weather climbout speeds (these seem to work well at all temps, but are a must over 40 ° F):
 - Rotation – normal
 - 1st 500' of climb AGL – 80K
 - 2nd 500' of climb AGL – 90K
 - Above 1000' AGL - cruise climb – 100K

Power settings:

- Objective: balance speed, engine life and fuel economy
- Recommended: Cruise maximum - 2,500 RPM
- Lower is greener

Leaning

- Objectives:
 - On climbout, assist in keeping CHTs under 400° F
 - At cruise, minimize internal cylinder pressure.
 - At cruise, reasonable fuel economy.
- Recommended:
 - Above 40° F OAT - No leaning on climbout below 6,000'
 - Under 40° F OAT – Above 3,000' lean to 1,400° (assure CHTs <400°)
 - Cruise at 2,500 RPM - 1,400° - (approximately 100° Rich of Peak)

Instrument approach power settings – 90K

Results vary with Density Altitude.

- 2,000 RPM – level flight
- 1,600 RPM – 500' per min decent (ILS), no flaps.
- 1,300 RPM – 800' per min (Non Precision approach), no flaps
- 2,300 RPM – 500' per min climb