



"Serving to Serve Again"



**Performance Comparison
of 230HP, 250HP, 280HP and 285HP Engines
Test Results Completed in a Cessna 182Q at 8,000'**

| | 0470U 230HP | 0470U/TS 250HP | 0520F/TS 280HP | 0550F/TS 285HP |
|--------------------------|----------------|-------------------|-------------------|-------------------|
| Cruise Speed (KNOTS TAS) | 138 | 144 | 157 | 163 |
| Fuel Burn Per Hour | 13 | 12.5 | 14 | 14.5 |
| Rate of Climb (FPM@SL) | 1185 | 1400 | 1600 | 1800 |
| Takeoff Run (SL) | 900' | 700' | 500' | 400' |

THE PERFORMANCE, FUEL AND ENDURANCE INFORMATION LISTED BELOW ARE RESULTS OBTAINED IN A 182Q WITH THE 0-550F/TS INSTALLED

Performance

Cruise speed at 6500 ft. (kts) Max range (w. reserve) (88 gal.) (nm):

| | SPEED |
|------------|-------|
| 75% power: | 162 |
| 65% power: | 159 |
| 55% power: | 148 |

Fuel Consumption (gph):

| | |
|------------|----|
| 75% power: | 15 |
| 65% power: | 13 |
| 55% power: | 11 |

Estimated endurance (65%) (1-hr. reserve)

| | | |
|--------------------------------|----------------------------|--------|
| (Hrs.): 5.76 | Service ceiling (ft.): | 22,000 |
| V _s (kts): 50 | Takeoff ground roll (ft.): | 400 |
| V _{so} (kts): 45 | Landing ground roll (ft.): | 600 |
| Best rate of climb (fpm): 1600 | Max Level speed (knots): | 170 |