

TIME, FUEL, AND DISTANCE TO CLIMB

MAXIMUM RATE OF CLIMB

CONDITIONS:

Flaps Up
Full Throttle
Standard Temperature

NOTES:

1. Add 1.1 gallons of fuel for engine start, taxi and takeoff allowance.
2. Mixture leaned above 3000 feet for maximum RPM.
3. Increase time, fuel and distance by 10% for each 10°C above standard temperature.
4. Distances shown are based on zero wind.

| WEIGHT LBS | PRESSURE ALTITUDE FT | TEMP °C | CLIMB SPEED KIAS | RATE OF CLIMB FPM | FROM SEA LEVEL | | |
|---------------|----------------------------|------------|------------------------|-------------------------|----------------|----------------------|----------------|
| | | | | | TIME MIN | FUEL USED GALLONS | DISTANCE NM |
| 2300 | S.L. | 15 | 73 | 770 | 0 | 0.0 | 0 |
| | 1000 | 13 | 73 | 725 | 1 | 0.3 | 2 |
| | 2000 | 11 | 72 | 675 | 3 | 0.6 | 3 |
| | 3000 | 9 | 72 | 630 | 4 | 0.9 | 5 |
| | 4000 | 7 | 71 | 580 | 6 | 1.2 | 8 |
| | 5000 | 5 | 71 | 535 | 8 | 1.6 | 10 |
| | 6000 | 3 | 70 | 485 | 10 | 1.9 | 12 |
| | 7000 | 1 | 69 | 440 | 12 | 2.3 | 15 |
| | 8000 | -1 | 69 | 390 | 15 | 2.7 | 19 |
| | 9000 | -3 | 68 | 345 | 17 | 3.2 | 22 |
| | 10,000 | -5 | 68 | 295 | 21 | 3.7 | 27 |
| | 11,000 | -7 | 67 | 250 | 24 | 4.2 | 32 |
| | 12,000 | -9 | 67 | 200 | 29 | 4.9 | 38 |

Figure 5-6. Time, Fuel, and Distance to Climb