

V- speeds (MPH)

| | |
|------------|-----------|
| Vso | 49 MPH |
| Vs | 57 MPH |
| Vx | 68 MPH |
| Vy | 80 MPH |
| Vfe | 100 MPH |
| Va(Max) | 122 MPH |
| Vno | 140 MPH |
| Vne | 174 MPH |
| Best Glide | 80 MPH |
| Rotate | 55 MPH |
| Final | 70-75 MPH |

W&B

Gross Weight - 2300 LBS, Useful Load - 881
 Empty Weight - 1419.00 LBS // MOMENT 55.75
 Fuel- 6 lbs/Gallon at 38 gallons full

| | Weight (SAMPLE) | Moment (SAMPLE) | Weight (ACTUAL) | Moment (ACTUAL) |
|-------------------------|-----------------|-----------------|-----------------|-----------------|
| Empty Weight | 1386 | 47.6 | | |
| Oil (6 qrts) | 15 | -0.2 | 11 | -0.1 |
| Fuel (Standard) | 228 | 10.9 | | |
| Pilot and Front PAX | 340 | 12.6 | | |
| Rear PAX | 340 | 24.8 | | |
| Baggage 1 | 71 | 6.7 | | |
| Total Weight and Moment | | | | |

Other

| | |
|----------------|-------------------|
| Max TO Weight | 2300lbs |
| Total Fuel Cap | 42 |
| Total Useable | 38 |
| Max Oil | 8 Qrts |
| Min Oil | 6 Qrts |
| Flaps | 0, 10, 20, 30, 40 |

Specifications

| | | |
|----------------------------|------------------------------------|-------------------|
| Gross Weight | 2300lbs | |
| Speed | Top Speed at Sea Level | 140MPH |
| | Cruise at 75% at 9,000ft | 132MPH |
| Range | Cruise at 75% at 9,000ft | 620mi |
| | 38 Gallons, No Reserve | 4.7 hrs |
| Rate of Climb at Sea Level | 645 FPM | |
| Service Ceiling | 13,100 ft | |
| Take Off | Ground Roll 50ft Obstacle | 865 ft 1525 ft |
| Landings | Ground Roll 50ft Obstacle | 520 ft 1250 ft |
| Fuel Capacity | Gallons Total Useable | 42 38 |
| Oil Capacity | Total | 8 Qrts |
| Propeller | Fixed Pitch | 76in |
| Engine Continental: | - 150 HP at 2700RPM - 0-320-E2D | |

Engine

4 Cylinder, 4 Stroke, Carbureted, Direct Drive, Horizontally Opposed, Naturally Aspirated, Air Cooled, 150 HP at 2700 RPMs, LYCOMING, 0-320-E2D,