

OIL PRESSURE:

1. Maximum Oil Pressure — 48 lbs. per sq. inch.
2. Normal Operating Pressure — 38 to 40 lbs. per sq. inch.
3. Minimum Operating Pressure — 25 lbs. per sq. inch.

OIL TEMPERATURE:

1. Maximum Oil Temperature — 220° F.
2. Normal Operating Temperature — 120° F. to 200° F.
3. Caution Operating Temperature — 40° F. to 120° F.

AIR SPEED:

1. Never exceed speed — 145 mph (T.I.A.S.) (red line).
2. Normal Operating Speeds — 45 to 105 mph (T.I.A.S.).

PERFORMANCE INFORMATION:

NOTE: True Indicated Airspeeds — Gross weight — sea level conditions are given.

1. Stalling Speed — 45 mph.
2. Take-Off Distance — 625 feet on a hard turf surface.
3. Landing Ground Roll — 500 feet hard turf surface.
4. Rate of Climb — 800 feet per minute at 72 miles per hour.
5. Due to reduced air density at higher altitudes wing lift and engine power are reduced with resulting performance reduction. Take-off and landing distances are increased and rate of climb reduced. For each 1,000 feet of increased altitude above sea level add 3% of Take-Off and Landing run.

Examples:

1. At 10,000 feet altitude add 3 x 10 or 30% to the sea level performance. Take-Off run, $30\% \times 625 = 107.5$, 625 plus 107.5 = 812.5. Landing distance, $30\% \times 500 = 150$, plus 150 = 650 feet.
2. At 5,000 feet altitude add 15% to the sea level performance. Take-Off run — $15\% \times 625 = 93.7$, 625 plus 93.7 = 718.7 distance — $15\% \times 500 = 75$, 500 plus 75 = 575.

The above figures are arbitrary for normal conditions.