

AIRSPEED LIMITATIONS (CAS)

Maximum Allowable (Red Radial) (Glide or Dive, Smooth Air)	270 mph/235 kts
Caution Range (Yellow Arc)	240 to 270 mph/208 to 235 kts
Normal Operating Range (Green Arc)	98 to 240 mph/85 to 208 kts
Flap Operating Range (White Arc)	88 to 156 mph/76 to 135 kts
Approach Position - 15°	202 mph/175 kts
Full Down Position - 30°	156 mph/135 kts
Single-Engine Best Rate-of-Climb (Blue Radial)	129 mph/112 kts
Minimum Single-Engine Control Speed (Red Radial)	101 mph/88 kts
Maximum Gear Operation Speed	202 mph/175 kts
Maximum Gear Extended Speed	202 mph/175 kts
Maximum Design Maneuvering	186 mph/161 kts
Maximum Demonstrated Crosswind	29 mph/25 kts

ALTITUDE LIMITATION

30,000 ft

MANEUVERS

This is a normal category aircraft. Acrobatic maneuvers, including spins, are prohibited.

Maximum slip duration 30 seconds

FLIGHT LOAD FACTORS

At design Gross Weight of 6775 lbs: Positive; Flaps Up 3.5 G, Flaps Down 2.0 G.

CENTER OF GRAVITY (Landing Gear Extended)

Forward Limits: 128.0 inches aft of datum at 5100 lbs and under, then straight line variation to 134.6 inches aft of datum at gross weight of 6775 lbs.

Aft Limits: 139.2 inches aft of datum at all weights.

WEIGHTS

Maximum Take-off Weight 6775 lbs

Maximum Landing Weight (Serials P-190, P-192 and after) 6775 lbs

Maximum Landing Weight (Serials P-4 through P-189 and P-191)
Reference Service Instruction No. 0536-202

8-ply Tires with original unmodified shock strut orifice
P/N 60-810012-13 LH, 60-810012-14 RH, or lower dash numbers 6600 lbs

10-ply Tires with original unmodified shock strut orifice
P/N 60-810012-13 LH, 60-810012-14 RH, or lower dash numbers 6450 lbs

10-ply Tires with modified or replacement shock strut orifice
P/N 60-810012-15 LH, 60-810012-16 RH, or higher dash numbers 6775 lbs

8-Ply Tires with modified or replacement shock strut orifice
P/N 60-810012-15 LH, 60-810012-16 RH, or higher dash numbers 6600 lbs

Maximum Ramp Weight 6819 lbs