

Summary Data N7770G

Climb Speeds:

V_x 70 mph (Best Angle of Climb)

V_y 80 mph (Best Rate of Climb)

Cruise Climb 85 to 90 mph

Approach Speeds:

80 mph (No Flaps)

75 to 80 mph (1/2 Flaps)

70 to 75 mph (Full Flaps)

Stall Speeds:

V_{si} 59 mph (Bottom of the green arc)

V_{so} 52 mph (Bottom of the white arc)

Maneuvering Speeds:

V_a 122 mph (Maneuvering Speed, Gross Weight)

*The airplane has a placard that says 100 Kts (115 mph)

Fuel:

Each tank holds 21 gallons. USABLE Fuel is 19 Gallons per tank.

Total USABLE Fuel is 38 gallons.

Flap Settings:

For Takeoff on hard surfaces use 0 Flap

For Takeoff on other surfaces use 10 degrees of Flap

For Landings use flaps as necessary. 10 to 30 degrees for normal landings and for cross-wind landings. Full flaps for short field landings.

Cruise Settings:

Typical power settings range between 2200 and 2450 rpm's

Consult the Cruise Performance Chart

Weight and Balance:

Current Empty Weight (3/5/2005) is **1402 lbs.**

Useful load is 898 lbs

With full tanks (38 gallons/228 lbs) load that can be carried is 670 lbs