

Engine	160 hp Lycoming IO-320-B1A	180 hp Lycoming IO-360-B1E
TBO	2,000 hrs	2,000 hrs
Propeller	Hartzell 2-blade, constant-speed	Hartzell 2-blade, constant-speed
Seats	2	2
Gross weight, Normal and Utility	1,880 lbs	1,880 lbs
Max aerobatic weight	1,650 lbs	1,650 lbs
Empty weight, equipped	1,212 lbs	1,212 lbs
Useful load, Normal & Utility	668 lbs	660 lbs
Useful load, Aerobatic	438 lbs	430 lbs
Payload with full fuel	428 lbs	420 lbs
Wing loading	17.5 lbs/sq ft	17.5 lbs/sq ft
Power loading, Normal & Utility	11.7 lbs/hp	10.4 lbs/hp
Power loading, Aerobatic	10.3 lbs/hp	9.2 lbs/hp
Fuel capacity (all usable)	40 U.S. gals	40 U.S. gals
with inverted tank	43 U.S. gals	43 U.S. gals
Baggage	90 lbs	90 lbs
Rate of climb	1,140 fpm	1,500 fpm**
Best rate-of-climb speed	104 mph	104 mph
Climb gradient	662 ft/sm	872 ft/sm
Service ceiling	19,000 ft	19,000 ft
Maximum speed	212 mph	220 mph**
Never-exceed speed	240 mph	240 mph
Cruise 75% power at 6000 ft	190 mph*	198 mph**
Fuel flow at 75% power	8.5 gph	9.6 gph
Endurance at 75% power	4.4 hrs	3.9 hrs

Range, economy cruise	1,000 sm	920 sm
Stall speed, clean	75 mph	75 mph
Stall speed, flaps/gear down	62 mph	62 mph
Turbulent-air penetration speed	140 mph	140 mph
Take-off run	570 ft	530 ft
to clear 50 ft	1,150 ft	1,020 ft
Landing run	750 ft	750 ft
to clear 50 ft	1,150 ft	1,150 ft

* 210 to 225 mph has been attained by a number of 160 hp Falcos with full gear doors, gap seals, etc.

** Estimated. Flight performance of 180 hp Falcos effectively confirms these estimates.

