

# GT 500

The GT-500 development program was started with the goal of producing the best performing Quicksilver ever. Quicksilver's aim was to design an aircraft that would transcend the category of ultralight & provide general aviation with the entry level aircraft it desperately needed. The focus was on more speed, better aerodynamics, and a greater range.

Utilizing their award winning CAD/CAM design & engineering techniques, and the most extensive R&D testing in the industry, Quicksilver's engineers achieved that goal and more.

The GT 500 can climb from 0 to 10,000 feet in just 8.5 minutes\*, and can cover 100 miles in about 70 minutes.

When you add all this to the superb handling characteristics that have long been the Quicksilver's hallmark, you have an aircraft that delivers pleasure as well as performance.

The GT500 is an ideal trainer and is remarkably docile and easy to fly. It's dual three-axis controls are responsive without sacrificing low speed stability. The adjustable trim & a/s allow for positive slow flight and gentle stall at about 39 mph. It cruises from 55 to 80 mph, with a top speed of about 90 mph.\*\* Only about 140 feet is required for the take o roll.\*\*\* A generous useful load capacity can easily accomodate two people and some extra gear.

\*Solo pilot, standard day, climb prop \*\*Top speed with doors \*\*\*2 average people, standard day

## Specifications:

### POWERPLANT

Model	Rotax 582
No. Cylinders	2
Displacement	580.7 cc
Horsepower	65
Recommended TBO	250 hrs

### PROPELLER

Type	3 Blade, Carbon Fiber
Diameter	72 inches
Pitch	17 to 19 degrees-LH

### GENERAL

Length	20' 5"
Height	6' 6"
Wingspan	30' 0"
Wing Area	155 sq. ft.
Wing Loading	6.45 lb./sq.ft.
Power Loading	15.38 lb./hp
Seats	2
Minimun Flight Crew	1
Empty Weight**	575 lbs
Max. Take-o Weight	1000 lbs

### POWERPLANT

Model	Rotax 912
No. Cylinders	4
Displacement	1211
Horsepower	80
Recommended TBO	2000 hrs

### PROPELLER

Type	3 Blade, Carbon Fiber
Diameter	72 inches
Pitch	17 to 19 degrees-LH

### GENERAL

Length	20' 5"
Height	6' 6"
Wingspan	30' 0"
Wing Area	155 sq. ft.
Wing Loading	7.09 lb./sq.ft
Power Loading	13.75 lb./hp.
Seats	2
Minimun Flight Crew	1
Empty Weight**	638 lbs.
Max. Take-o Weight	1100 lbs.



Useful Load	425 lbs
Payload w/Full Fuel	329 lbs
Fuel Capacity	16 U.S. gal
Ultimate Load Factors	+6.0 g., -3.0g.
*Take-o Distance, Ground Roll	220 ft.
*Take-o Distance, 50 ft. Obstacle	689 ft
Rate of Climb, Sea Level 1000 lbs. Take-o Weight	650 fpm.
Max. Level Flight Speed w/out Doors	81 mph.
Max. Level Flight Speed with Doors	88 mph.
Landing Distance, 50 ft. Obstacle	580 ft.
Landing Distance, Ground Roll	260 ft.
Glide Ratio (w/out doors)	7.0:1
Glide Ratio (w doors)	7.5:1
Minimum Sink Rate (w/out doors)	570 ft/min
Minimum Sink Rate (w doors)	540 ft/min
Service Ceiling	12,500 ft.

#### CRUISE PERFORMANCE

CRUISE	With Doors	Without doors
55% Power (5300 rpm)	68 mph	71 mph
65% Power (5600 rpm)	72 mph	75 mph
75% Power (5900 rpm)	75 mph	79 mph
100% Power (6500 rpm)	83 mph	87 mph

#### FUEL FLOW/RANGE

CRUISE	With Doors	Without doors
55% Power (gph/mi)	4.5/255	4.5/240
65% Power (gph/mi)	5.0/235	5.0/225
75% Power (gph/mi)	5.6/225	5.6/215
100% Power (gph/mi)	7.5/185	7.5/175

#### LIMITING & RECOMMENDED SPEEDS:

Vx (Best angle of climb)	47 mph
Vy (Best rate of climb)	55 mph
Va (Design maneuvering)	90 mph.
Vne (Never exceed).	111 mph
Vs1 (Stall, fLaps up, power off)	45 mph
Vs0 (Stall, aps down, power off)	39 mph
Landing Approach Speed	51 mph

#### PRICE -R582 Kit

Contact local dealer or Quicksilver for Price

Useful Load	462 lbs.
Payload w/Full Fuel	366 lbs.
Fuel Capacity	16 U.S. gal
Ultimate Load Factors	+6.0 g., -3.0g.
*Take-o Distance, Ground Roll	244 ft
*Take-o Distance, 50 ft. Obstacle	621 ft.
Rate of Climb, Sea Level 1000 lbs. Take-o Weight	655 fpm
Max. Level Flight Speed w/out Doors	88 mph.
Max. Level Flight Speed with Doors	91 mph.
Landing Distance, 50 ft. Obstacle	627 ft.
Landing Distance, Ground Roll	390 ft.
Glide Ratio (w/out doors)	6.5:1
Glide Ratio (w doors)	7.0:1
Minimum Sink Rate (w/out doors)	584 ft/min
Minimum Sink Rate (w doors)	555 ft/min
Service Ceiling	12,500 ft.

#### CRUISE PERFORMANCE

CRUISE	With Doors	Without doors
55% Power (4500 rpm)	70 mph	75 mph
65% Power (4800 rpm)	75 mph	79 mph
75% Power (5000 rpm)	78 mph	83 mph
100% Power (5500 rpm)	86 mph	91 mph

#### FUEL FLOW/RANGE

CRUISE	With Doors	Without doors
55% Power (gph/mi)	3.7/300	3.7/320
65% Power (gph/mi)	4.3/280	4.3/295
75% Power (gph/mi)	4.9/270	4.9/270
100% Power (gph/mi)	6.3/215	6.3/230

#### LIMITING & RECOMMENDED SPEEDS:

Vx (Best angle of climb)	50 mph
Vy (Best rate of climb)	58 mph
Va (Design maneuvering)	94 mph
Vne (Never exceed).	111 mph
Vs1 (Stall, fLaps up, power off)	47 mph
Vs0 (Stall, aps down, power off)	42 mph
Landing Approach Speed	55 mph

#### PRICE -R912 Kit

Contact local dealer or Quicksilver for Price

# Options List

## Floats

Whether flying for fun, fishing at remote spots, or collecting ecological data, floats improve the usefulness and versatility of your aircraft.

## Avionics

The full size instrument panel accommodates a wide variety of engine instrumentation and navigational avionics.

## Ballistic Parachute

In the event of a rare mishap, such as a mid-air collision, this rocket deployed parachute, when opened, lowers the entire aircraft, with pilot and passenger

## Crop Dusting System:

Highly efficient and cost effective crop dusting can be done with the GT500. With the available Ag Spay System option, you can spray an average of 7 acres per minute, and 100 acres per load. The system is custom designed exclusively for the GT500.

# Standard Features

- Dual 3-Axis Controls
- 3 Position Flaps
- Inflight Adjustable Trim Control
- Steerable Nose Wheel
- 3 Blade Carbon Fiber Propeller
- with Ground Adjustable Pitch
- Full Size Shock Mounted Instrument Panel w/
- Keyed Ignition Switch, Remote Choke, &
- 8 Instruments: Tachometer, Temperature
- Gauge, Hobbs Meter, Compass, Altimeter,
- Vertical Speed Indicator (VSI),
- Front & Rear Seat Airspeed Indicators
- (R912UL Version Also Includes Oil
- Temperature & Oil Pressure Gauges)
- Parking Brake
- Dual CDI ignition
- Hydraulic Main Wheel Disk Brakes
- Double Surface Wings
- Extra Ribs for Firm Airfoil
- Tapered Wing
- Excellent Crosswind Capability
- Easy Handling and Responsive Control
- State-of-the-Art Landing Gear Suspension
- Low Cockpit Noise Level
- Quicksilver's Famous Quality
- Adjustable Pilot Seats
- Front & Rear Seat Shoulder Harnesses
- Removable Doors: Can be Flown with the Doors On or O
- Extraordinary Visibility
- Delivered in Easy-to-Assemble Kit (Average 160 to 190 hours)
- Easy Maintenance and Repair
- Six-Month Written Limited Warranty (See Dealer for Details)

NOTE: All specifications are based on the manufacturer's calculations.

Range is listed in statute miles with no allowance for wind or fuel reserve. \*All performance figures are based on standard day, standard atmosphere, at sea level, and aircraft at 1000 pounds take-o weight for the GT500 with Rotax 582 or 1100 pounds with Rotax 912UL. These distances must be increased equal to 20% for each one thousand feet of pressure altitude above sea level. \*\*The empty weight is approximate due to a 4% Mil. Spec. tolerance on materials.

This aircraft is NOT designed for aerobatics.

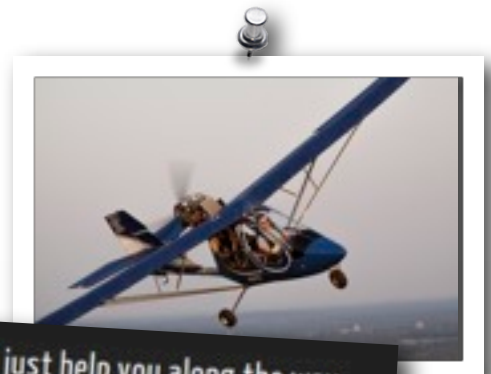
Be sure to follow the owner's manual recommendations for flight and maintenance guidelines.

The pilot is responsible for operating this aircraft in accordance with the applicable Federal and State Regulations. Flight training is required. Specifications and equipment are subject to change without notice. Only Quicksilver approved accessories should be used on this aircraft

*All specifications are based on manufacturers calculations.*

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.**

*This information is for reference only, please consult Quicksilver or one of it's dealers for exact and up to date specifications.*



**You dreamed it. We just help you along the way**