



MXL II Sport

The MXL II Sport is for the pilot looking for easy handling and precise control response. Double surface wings and conventional three-axis controls combine to make this an excellent all around aircraft. Recreational pilots like its greater speed range while flight schools are especially fond of its smooth and predictable flight characteristics. The in-flight adjustable trim makes long flights more carefree and enjoyable. These are some

of the reasons why the MXL II Sport is the best-selling, two-seat light recreational aircraft in the world.

But performance and handling are only part of the picture. It's proven design and complete factory and dealer support help to make your flying as enjoyable as possible. And Quicksilvers are the easiest kits on the market to assemble. Only basic tools and a few weekends, and you're ready to fly!

FEATURES:

- Six Month Limited Warranty (See Dealer For Details)
- Dual CDI Electronic Ignition, Dual Carburetor Engine
- Steerable Nose Wheel Standard
- Main Wheel Brakes
- Double Surface Wings
- Extra Ribs for Firm Airfoil
- Conventional 3-Axis Controls
- 68" Propeller for More Power With Less Noise Stabilizer
- New, Wider Cabin for Greater Pilot Comfort
- Inflight Adjustable Trim Control
- Tapered Stabilizer
- Tubular Braced Tail
- Excellent Crosswind Capability
- Easy Handling and Responsive Control
- Short Takeoff and Landing
- Quicksilver's Famous Quality
- Easy-to-Assemble Kit (Average 40 to 60 Hours)
- Airspeed Indicator Included

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

All performance figures are based on standard day, standard atmosphere, at sea level
and 350 lb. crew weight, unless otherwise noted.

The performance shown reflects this aircraft's maximum potential.

Flight training required.

Specifications subject to change without notice.

This aircraft is not designed for aerobatics.

Be sure to follow the owners manual recommendation for maintenance guidelines.

The pilot is responsible for operating this aircraft in accordance with the applicable Federal and State Regulations.

SPECIFICATIONS - R503:**POWERPLANT:**

Model.....Rotax 503
No. Cylinders.....2
Displacement.....496.7 cc
Horsepower.....50 hp
Recommended TBO.....250 hrs
Propeller.....68" x 32"
Length.....216 in.
Height.....109 in.
Wingspan.....32.75 ft
Wing area.....180 sq ft
Wing loading.....4.0 lb/sq ft
Power loading.....14.4 lb/hp
Seats.....2
Minimum flight crew.....1
Empty Weight.....325 lbs
Useful load.....395 lbs
Payload w/full fuel.....359 lbs
Max takeoff weight.....720 lbs
Fuel capacity.....6 gals

PERFORMANCE:

Takeoff distance, ground roll.....155 ft
Takeoff distance, 50 ft obstacle.....435 ft
Rate of climb.....595 fpm
Max level speed, sea level.....61 mph
Landing distance, 50 ft obstacle.....300 ft
Landing distance, ground roll.....75 ft
Glide Ratio.....5.0:1
Minimum sink rate.....630 fpm

CRUISE PERFORMANCE CHART:

At 55% power (rpm/mpg).....5000/40

SPECIFICATIONS - R582:**POWERPLANT:**

Model.....Rotax 582
No. Cylinders.....2
Displacement.....580.7 cc
Horsepower.....64 hp
Recommended TBO.....250 hrs
Propeller.....68" x 36"
Length.....210 in.
Height.....112 in.
Wingspan.....32.75 ft
Wing area.....180 sq ft
Wing loading.....4.0 lb/sq ft
Power loading.....11.25 lb/hp
Seats.....2
Minimum flight crew.....1
Empty Weight.....330 lbs
Useful load.....390 lbs
Payload w/full fuel.....354 lbs
Max takeoff weight.....720 lbs
Fuel capacity.....6 gals

PERFORMANCE:

Takeoff distance, ground roll.....121 ft
Takeoff distance, 50 ft obstacle.....260 ft
Rate of climb.....1145 fpm
Max level speed, sea level.....67 mph
Landing distance, 50 ft obstacle.....300 ft
Landing distance, ground roll.....75 ft
Glide Ratio.....5:1
Minimum sink rate.....630 fpm

CRUISE PERFORMANCE CHART:

At 55% power (rpm/mpg).....5000/43

At 65% power (rpm/mph).....5300/48
At 75% power (rpm/mph).....5600/54
At 100% power (rpm/mph).....6500/61

FUEL FLOW:

At 55% power (gpm/mi).....3.2/73
At 65% power (gpm/mi).....3.8/72
At 75% power (gpm/mi).....4.4/69
At 100% power (gpm/mi).....5.8/56

AIRSPEEDS:

V_x (Best angle of climb).....37mph
 V_y (Best rate of climb).....39 mph
 V_a (Design maneuvering).....64 mph
 V_{ne} (Never exceed).....75 mph
 V_{s1} (Stall, power off).....32 mph
 V_{s0} (Stall, flaps down, power off).....N/A
Landing approach speed.....45 mph

Kit Cost:**Contact dealer for price**

At 65% power (rpm/mph).....5300/52
At 75% power (rpm/mph).....5600/59
At 100% power (rpm/mph).....6500/67

FUEL FLOW:

At 55% power (gpm/mi).....4.1/63
At 65% power (gpm/mi).....4.8/65
At 75% power (gpm/mi).....5.6/63
At 100% power (gpm/mi).....7.4/54

AIRSPEEDS:

V_x (Best angle of climb).....37 mph
 V_y (Best rate of climb).....39 mph
 V_a (Design maneuvering).....64 mph
 V_{ne} (Never exceed).....75 mph
 V_{s1} (Stall, power off).....32 mph
 V_{s0} (Stall, flaps down, power off).....N/A
Landing approach speed.....45 mph

Kit Cost:**Contact dealer for price**

All specifications are based on manufacturers calculations.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
This information is for reference only, please consult Quicksilver Mfg.® or one of it's dealers for exact and up to date specifications.

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