

Quicksilver MXL2 Sport

PERFORMANCE

Wing loading: - 6.45 lbs/sq ft Power loading: - 15.38 lbs/sq/ft VNE: - 103 mph (89 Knots)
Top level speed: - 88 mph (76 Knots) Service ceiling: 5000 ft Glide ratio: 7:1
Stall Speed: - 45 mph (39 Knots) Climb rate: - 650 ft/min Take off roll: - 220 ft
Fuel used at cruise: Rotax 582- 14 ltrs/hr Cruise speed: - 72-80 mph (63-69 Knots)

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/Kts).....5000/35
At 65% power (rpm/Kts).....5300/42
At 75% power (rpm/Kts).....5600/47
At 100% power (rpm/Kts).....6500/53

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:

Vx (Best angle of climb).....32 Kts
Vy (Best rate of climb).....34 Kts
Va (Design maneuvering).....56 Kts
Vne (Never exceed).....65 Kts
Vs1 (Stall, power off).....28 Kts
Vs0 (Stall, flaps down, power off).....N/A
Landing approach speed.....39 Kts

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/Kts).....5000/37
At 65% power (rpm/Kts).....5300/45
At 75% power (rpm/Kts).....5600/51
At 100% power (rpm/Kts).....6500/58

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:

Vx (Best angle of climb).....32 Kts
Vy (Best rate of climb).....34 Kts
Va (Design maneuvering).....56 Kts
Vne (Never exceed).....65 Kts
Vs1 (Stall, power off).....28 Kts
Vs0 (Stall, flaps down, power off).....N/A
Landing approach speed.....39 Kts