



SportRider

The MD-3 SportRider from FlyItalia consists of an all-metal semi-monocoque blind-riveted airframe with composite cowlings and covers. Engineered to meet the design standards of factory-produced Light Sport Aircraft regulations and the needs of the home builder too.

- LSA compliant
- Ballistic parachute option
 - Side-entry 180° doors
 - Unmatched visibility
- 46" interior-Width cabin
 - Folding wings
- Digital Instrumentation
- Electric trim and flaps
 - Cabin ventilation
- Optional wireless Comm system



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CHARACTERISTICS

Fuselage cockpit cage is welded from steel tubes for greater strength and safety. Side canopy doors hinged on the front enable great view and easy access. Composite engine cowling and rear part of the canopy fairing create natural aerodynamic for less drag. All metal wings with simple aerodynamically faired strut and highly efficient MS(1)-0313 airfoil with integral fuel tanks totaling 100 liters. Ailerons and large flaps with 15° and 42° deflection are hinged on rear beam. Large aerodynamically shaped wingtips increase wing efficiency. Classic-type all-metal tail has symmetrical NACA 12% profile. Elevator has electrically controlled trim-tab as a standard. Full dual control with classic joysticks and pedals for both pilots. Flap lever, trim lever and throttle are placed on the central column. Elevator and ailerons are controlled by rods, rudder is controlled by wires in plastic tubes. Flaps are controlled by electric actuator placed in the cockpit ceiling. Wings can be (optional) quickly folded to the tail and horizontal tail surfaces can be dismantled for transportation or storage. Instrument panel with AveoMax™ all-digital flight and engine instruments, full cockpit upholstery with adjustable seats. Tricycle type landing gear, with steerable 13x4" nose wheel, composite main undercarriage with front wheel leg and fork welded from steel tubes. 14x4" main wheels have hydraulic disc brakes, controlled by lever on the central column.

SPECIFICATION

Wing span	29.5 ft
Wing area	106.5 ft ²
Length	19 ft

Engine Rotax	912	912S
Max power	80 hp	100 hp

WEIGHTS

Empty weight	606 lbs	650 lbs
Max take-off weight	1270 lbs	1270 lbs

PERFORMANCES

Max. cruising speed V _H	137 mph	138 mph
Optimal cruising speed	112 mph	137 mph
Stall speed	50 mph	50 mph
Stall speed with flaps	42 mph	42 mph
Max. climb rate M _{TOW}	790 fpm	1180 fpm
Fuel consumption _{Economy flight}	3.4 gph	4 gph
Max. load factor	+4/-2 G	+4/-2 G
Max. ultimate	+6/-3 G	+6/-3 G

PROPULSION

Rotax 912UL (80 HP) and 912ULS (100 HP) motor-propeller groups are offered, which can be equipped with a varying-pitch (SR200), 3-propeller, with a diameter of 1.63 m.

Other engines available as customization, inquire please.

INTERIOR

Standard version uses pushing throttle and choke, with optional twin-throttle version and lever throttle versions. Baggage storage area and deluxe restraint systems. Negative swept wing brings greater outside view, to enjoy crosscountry flying.

Optional deluxe cockpit with dual yokes available per custom order.

ACCESSORIES AND CUSTOMIZATION

A wide variety of OPTIONS and ACCESSORIES are offered, these can be viewed on our website www.aveoUSA.com or simply request more information at our e-mail info@aveousa.com.



manufactured by: Flyitalia s.r.l.

