

# VALOR

By FPNA



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The VALOR is \$98,732.00\* *every day.*

In today's world of "NEW, LOW, or SPECIAL PRICES", a potential Light Sport Aircraft (LSA) buyer should compare apples to apples, and not apples to oranges. In plain words: If the money is the same, what kind of airplane is it, (and how will it be equipped)? Look at what you will get "out the door" for your money. FPNA realized before "the bottom fell out" of the U.S. Economy that the LSA market needed stimulating because there wasn't a well-equipped LSA available for under \$100,000.

**Every VALOR is very well equipped with the following essential features and standard equipment.**

- Microair M760 Radio and T2000 Transponder- with Mode C
- Grand Rapids Electronic Flight Information System (EFIS) glass cockpit and separate EIS, Internal GPS, Highway in the Sky (HITS), and All AHARS Aligned.
- Redundant "Steam Gauges" altimeter, airspeed indicator and wet Compass
- Poly-Carbon Fiber Three-bladed propeller with Nickel Leading Edges
- Rotax 912UL 80 HP, (100 HP optional) liquid-cooled, four-stroke engine uses 93 Octane or higher "Mo-Gas" or Aviation fuel; 1500 TBO
- FPNA includes the following standard engine upgrades **without** cost to you:
  - Upgraded aircraft-grade hoses with fire-protection sleeves.
  - Oil thermostat to allow quicker safer engine starts and faster warm-up time.
  - Carburetor heating system.
  - Oil inspection door in the cowling.
  - Heavy duty starter and slipper clutch; protecting the engine from damage in case of a prop strike.
- OTHER STANDARDS **without** cost to you *WHICH OTHERS CHARGE FOR:*
  - Dual controls with nose wheel direct connect steering and push rod flight controls
  - One of the widest cabins (50.4 in) in the LSA market
  - Lockable and removable doors
  - Ground adjustable seats
  - Inertia lock reels on 4 point seat belt system
  - Cabin heater
  - Dual cup holders
  - Wheel spats

FPNA believes that The VALOR is the BEST VALUE available today at the "magic price" of under \$100,000, whether you are buying one airplane or more. Shop our competitors first, and then us, you will see we are correct.

The VALOR is nicely equipped at \$98,732\*

# VALOR FEATURES

- **All metal anodized aluminum riveted airframe with Metal Topped wings!** 'Ceconote' doped fabric covered control surfaces and part wing. Cowls and wingtips are composite. All fabric is UV-proofed when sealed and painted, giving a projected 20-year life.
- **Aircraft grade A N Hardware:** Easy for repair and familiar to A & P's world over. Stronger than most LSA aircraft of today.
- **Inertial Reel Seatbelts** Made especial for FPNA by Aero-Tuff Seatbelt Company, our seat belts are a 4 point, flap release inertia lock reel seatbelt for the highest level of SAFETY.
- **A spacious and comfortable cockpit** - 128cm (50.4 inches) wide, 2 ground-adjustable seats side-by-side. Doors are glazed down to the floor, giving a truly 'helicopter-like' view out! Glazed panels behind the cockpit give an almost 360 degree view.
- **Stall speed with flap is a genuine 27kts** - as tested by both the PFA in the UK and the DAeC in Germany. Stall characteristics are completely safe - no tendency at all for wing-drop. This means you can safely cruise at 40-45kts close to the ground without worrying about 'tucking' under.
- **Full span flaperons** with 10 and 20 degree 'droop' positions, for ultra-short take offs and even shorter landings. Flap lever centrally placed in the roof.
- **High-lift aerofoil section with forward swept wings** to give excellent stall and slow speed handling characteristics.
- **Wide tires** on a wide undercarriage are good for rough and/or soft strips. Center of gravity is close to the main wheels, so the nose can be kept clear of the ground - there's even a small tail wheel!

Specifications	
Length, m/ft	6.1 / 20
Height, m/ft	2.4 / 7.9
Wingspan, m/ft	10.1 / 33.2
Wing area, sq. m/sq. ft	13.9 / 150
Wing loading	6.6 lbs per sq. ft
Power loading	10 lbs per hp
Cabin length m/inches	1.6 / 61.2
Cabin width m/inches	1.3 / 50.4
Cabin height m/inches	1.1 / 46.8
Empty weight, kg/lb	260 / 575*
Max. Gross weight, kg/lb	544 / 1,199
Useful load, kg/lb	242 / 624
Fuel capacity, l/gal	90 / 23.9
Design Loads	+4 / -2 (w/150% margins)
*Basic empty weight varies based on options selected.	
Performance: (sea level, gross weight, standard day)	
Take off distance, ground roll, m/ft	60 / 197
Landing distance, ground roll, m/ft	75 / 250
Rate of climb at sea level, mps/fpm	5 / 1000
Cruise speed, kph/mpg	160 / 100
Range, km/miles at speed, kph/mpg	850 / 528 110 / 70
Endurance, hrs (rpm)	12 / 3500
Vne (never exceed), kph/mpg	210 / 137
Vso (stall, landing config) kph/mpg	52 / 32