



AERO AT3: EASA CS-VLA certified basic trainer.

AT-3

AERO AT3 aircraft

AT-3 aircraft is an all-metal, semi-stressed skin, developable surface construction with fairings and cowlings made of carbon/kevlar composite. The configuration consisting of a low-wing aircraft with side by side cockpit, equipped with dual controls, classic, robust landing gear plus superb aerodynamics, ensure high performance, good handling and exceptional flight characteristics.



no TBO airframe

The AT-3 has the most rugged, durable structure in its class. Standard solid aircraft rivets are used throughout the AT series, which are far superior to the blind rivets (pop rivets) used by other VLA, Light Sport Aircraft and ultralight manufacturers.

the warranty

At Aero we believe that providing a trouble-free experience is what sets Aero AT-3 aircraft apart in the marketplace. Thus all Aero AT-3 aircraft are supported by a 2 year / 400 hour airframe warranty.

the power

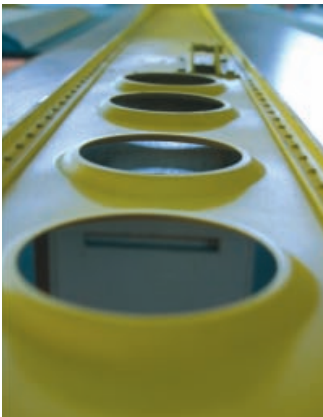
EASA type certified ELPROP 3-blade composite aero-elastic propeller, specially designed for the AT-3 aircraft has no TBO and ensure the high performance on the take off as well as while cruising. The economical 100HP Rotax engines with the average 16 litres/hour of unleaded fuel or Avgas consumption offer smooth ride and flexibility in refuelling stops.



protection of your investment

Anti-corrosion protection by anodizing and cadmium plating makes each AT series aircraft immune to the weather conditions. Structural parts use solid rivets for strength and durability. There is no UV, humidity or temperature sensitivity.

quality by design



AT-3

The superb basic trainer allowing for an easy transition to other GA aircraft

The AT-3 is an all-metal aircraft certified by EASA in the Very Light Airplane category. All flight data, piloting and stress characteristics were verified during the tests as part of the comprehensive JAR certification process according to European Joint Aviation Regulations.

equipment

The AT-3's standard equipment includes:

- a radio
- voice activated intercom system
- artificial horizon
- turn indicator
- other typical VFR flight and engine instruments.

Many further options are available.



configuration

The AT-3 in the basic configuration is equipped with a high standard durable cockpit, leather upholstery, a smartly designed panel with dual throttles, ergonomic seats, top quality canopy, tyres & wheels as well as other components from internationally recognised and certified suppliers.

ease of maintenance

Ease of maintenance is a hallmark of the Aero AT series aircraft.

All concealed moving parts have hinged access doors built into the airframe for quick and easy inspection or service.

The maintenance free tricycle spring steel undercarriage is specially designed to absorb piloting errors and operation from uneven grass airfields.

Hydraulic brakes on the main wheels of the undercarriage and free castoring nose wheel provide for effective ground manoeuvrability.

production plant

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data

engine Rotax 912S
TBO 1500h
propeller ELPROP
ground adjustable carbon composite aero-elastic prop

weight
MTOW 582 kg / 1283lb
empty weight 360kg / 794lb
useful load 222kg / 485lb

dimensions
fuel capacity 70l / 18.5 gal
wing area 9.3m² / 100.1ft²
wing span 7.552m / 24.78ft
length 6.25m / 20.51ft
height 2.23m / 7.32ft

performance
cruising speed 200km/h / 108 KIAS
max cruising speed 220km/h / 119KIAS
Vne 236km/h / 127KIAS
Vno 208km/h / 112KIAS
Va 208km/h / 112KIAS
Vs 82km/h / 44KCAS
take off run / landing run 145 / 200m / 476 / 656 f
take off distance / landing, distance 15m/50ft 275 / 450m / 902 / 1476 ft
rate of climb 4.6m/s / 906fpm
range 717km / 387nm
ceiling 4000m / 13123ft
design load factor 3.8 / -1.5
power loading 5.82kg/hp / 12.82lb/hp

