

# State Aviation Administration of Ukraine

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SAAU

## TYPE CERTIFICATE DATA SHEET № TL 0062

### AT-3 series

**Type Certificate Holder:**

**AERO AT Sp. z o.o.**  
ul. COP-u 2  
39-300 Mielec  
Poland

**Models:**

**AT-3R100**

Issue 1, 19 September 2013

This Data Sheet which is integral part of Type Certificate № TL 0062 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the airworthiness requirements and environmental protection requirements, stated in Certification basis mentioned in this Data Sheet.

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**I. General**

Data Sheet No.:	TL 0062
1. a) Type:	AT-3
b) Model:	AT-3R100
2. Airworthiness Category:	Very Light Aeroplane
3. Type Certificate Holder:	AERO AT Sp. z o.o. ul. COP-u 2 39-300 Mielec Poland
4. Manufacturer:	AERO AT Sp. z o.o. ul. COP-u 2 39-300 Mielec Poland
5. SAAU Application Date	05 Jan 2011
6. SAAU Certification Date :	19 Sep 2013

**II. Certification Basis**

1. Certification Basis:	As defined in EASA CRI A-01, latest Issue
2. Airworthiness Requirements:	EASA CS-VLA dated 14 November 2003 (Equivalent to JAR-VLA Issued 26 April 1990 including amendments up to VLA/92/1 dated 1 January 1992)
3. EASA Environmental Standards:	ICAO, Annex 16, Volume 1, Chapter 10

**III. Technical Characteristics and Operational Limitations**

1. Type Design Definition:	Master Drawing List, Document No. ATS3.02 dated 03.02.2003, Amendment 5 dated 16.05.2005 and subsequent	
2. Description:	Single engine, two-seater cantilever low wing aeroplane, all metal construction, fixed tricycle landing gear	
3. Equipment:	Equipment list, AFM, Document No. ATL3.03 or ATL3.04, Section 2 and 6	
4. Dimensions:	Span	7.55 m
	Length	6.25 m



	Height	2.23 m
	Wing Area	9.30 m <sup>2</sup>
5. Engines:	Bombardier-Rotax 912S2 or S4 SAAU Type Certificate Data Sheet TD 0060	
5.1 Engine Limits:	Max take-off rotational speed 5800 r.p.m Max continuous rotational speed 5500 r.p.m For other engine limits refer to AFM, Document. No. ATL3.03 or ATL3.04, Section 2	
6. Propeller :		
6.2 Type	ELPROP 3-1-1P SAAU Type Certificate Data Sheet TG 0025	
6.2.1 Diameter	1 730 mm	
6.2.2 Kind	Three-blade ground adjustable propeller with composite blades and metal hub	
6.2.3 Propeller configuration	Tractor propeller	
6.2.4 Blade angle of incidence	21.5° ±0.5°	
7. Fluids:		
8.1 Fuel:	Minimum 95 Grade Unleaded Automotive Gasoline or AVGAS 100 LL if other fuel is not available	
8.2 Oil:	Oils conforming to API classification marked SF or SG For more details see AFM, Document No. ATL3.03 or ATL3.04, Section 2	
8. Fluid capacities:		
8.1 Fuel: Standard Fuel Tank	Total: 68.5 litres Usable: 65.0 litres	
With additional fuel tank:	Total: 123.5 litres Usable: 120.0 litres	
8.2 Oil:	Maximum: 3.5 litres Minimum: 2.5 litres	
9. Air Speeds:		
Design Manoeuvring Speed V <sub>A</sub> :	109 kt (202 km/h) CAS	
Flap Extended Speed V <sub>FE</sub> :	85 kt (157 km/h) CAS	
Maximum structural cruising speed V <sub>NO</sub> :	109 kt (202 km/h) CAS	



Never exceed speed $V_{NE}$ :	123 kt (228 km/h) CAS
10. Maximum Operating Altitude:	Not defined
11. All weather Capability:	Day & Night VFR - See: Note 3
12. Maximum Masses:	
Take-off	582 kg
Landing	582 kg
13. Centre of Gravity Range:	
Forward limit	up to 480 kg                      0.203 m behind Datum at 582 kg                              0.267 m behind Datum varying linearly with mass in between
Rear limit:	for all masses 0.394 m behind Datum
14. Datum:	Wing Leading Edge
15. Levelling Means:	Spirit Level on the cockpit side rail with canopy open
16. Minimum Flight Crew:	1 (Pilot)
17. Maximum Passenger Seating Capacity:	1
18. (Reserved)	
19. Baggage / Cargo Compartments	
Location	Max. allowable Load
Port Side Compartment	20 kg
Starboard Side Compartment	10 kg
20. Wheels and Tyres	
Nose Wheel Tyre Size	5.00 - 4 6ply Type III
Main Wheel Tyre Size	380x150/15x6.00-5

#### IV. Operating and Service Instructions

Aeroplane Flight Manual (AFM)	Document No. ATL3.03, Polish Language version and ATL3.04, English Language version
Aeroplane Maintenance Manual (AMM)	Document No. ATT3.02, Polish Language version and ATT3.03, English Language version (incl. Airworthiness Limitations)



**V. Notes**

1. This certification applies to:

- Serial numbers AT3-008 and AT3-011 and subsequent,
- Serial numbers from AT3-001 to AT3-005 and AT3-010 modernized according to the Remark No1 in the Master Drawing List, Document No ATS3.02 dated 03.02.2003, Amendment 5 dated 16.05.2005

2. Approved Noise Levels in accordance with:

ICAO Annex 16, Volume 1, Chapter 10: 66.6 dB(A)

3. The airplane is approved for VFR-Night operation when the appropriate equipment is installed and operative.

Head of aeronautical products  
type certification department



Sergii Gaidenko

