

型号认可证数据单

THE VALIDATION DATA SHEET

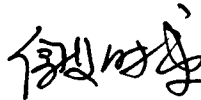
编号/No: VTC0237A

版次/Revision: 0

型号/Type:

A-27M

批准人/Approved By:



日期/Date: 2013.3.5

本数据单是型号认可证（编号：VTC0237A）的组成部分，它规定了符合中国民用航空局的适航要求所颁发此型号认可证的产品状态和限制。

This data sheet, which is part of Validation of Type Certificate (No: VTC0237A), prescribes condition and limitation under which the product for which the type certificate was issued meets the airworthiness requirements of the Chinese Civil Aviation Regulation.

型号认可证持有人/Validation of Type Certificate Holder:

ACC《AVANTAGE》Limited Liability Company

6, Promishlennaya Str., Gorno-Altaysk,

Altay Republic, 649002, Russian Federation

页数/Pages	1	2	3	4	5								
版次/Revision	0	0	0	0	0								
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第 1 部分 概述

SECTION 1 GENERAL (ALL MODELS)

1、 CAAC 认可数据单和型号合格证数据单

CAAC Validation Data Sheet and Type Certificate Data Sheet

	中国民用航空局认可数据单号、版次和颁发日期 CAAC Validation Data Sheet Number, Revision and issuance Date	型号合格证数据单号、版次和颁发日期 Type Certificate Data Sheet Number, Revision and issuance Date
当前 Current	VTC0237A, Revision 0, 2013.3.5	CT281-A-27M 第 R1 版次 2008 年 8 月 4 日 CT281-A-27M Revision 01 August 04, 2008
历史 History		

2、 类别/Category: 特殊类别-甚轻型飞机/Special Class - VLA

3、 认可当局/Validation Authority: 中国民用航空局/CAAC
审定当局/Certifying Authority: IAC AR

4、 型号合格证持有人/Type Certificate Holder: ACC《AVANTAGE》Limited Liability Company
6, Promishlennaya Str., Gorno-Altaysk,
Altay Republic, 649002, Russian Federation

5、 ETOPS: Not applicable

6、 CAAC Special Requirements:

交付到中国的每一 AAA 航空器须满足下述特殊要求:

Each of AAA aircraft delivered to China shall meet the following special requirements:

(1) 必须满足中国民用航空局的运行要求 (例如标记标牌的中文要求)。

The operational requirements of CAAC must be met (e. g. Chinese language requirements for markings and placards).

第 2 部分

SECTION 2

I -型号 A-27M+ 2013 年 3 月 5 日批准

I - Model A-27M+ Approved 5, March 2013

1、 技术特性和使用限制 / TECHNICAL CHARACTERISTICS AND OPERATIONAL LIMITATIONS

噪音要求/Noise requirements

IAC AR 噪音合格证明 No. CW-172-A-27M, 2008 年 7 月 31 日/

IAC AR Noise Certificate No. CW-172-A-27M, July 31, 2008.

飞机符合 AR36 部附录 G 和 ICAO 附件 16 第十章的要求。/

Aircraft meets requirements of Aviation Regulations, Part 36, Appendix G and ICAO Annex 16, Chapter 10.

发动机/Engine 1 台 ROTAX-912S2 四冲程活塞式发动机, EASA 型号合格证 NoE. 121
CAAC 型号认可证 VTC139E
One piston, four-stroke engine.
EASA Type Certificate NoE. 121, CAAC VTC139E

燃油/Fuel 航空汽油 AVGAS 100LL 或 97#及以上牌号的汽油
Gasoline AVGAS 100LL, Motor gasoline Octane 97 or more

发动机参数和限制/Engine data and limits

发动机最大推力/Max engine power	100HP
发动机最大转速/Max engine speed	5800rpm
汽缸头温度/Cylinder head temperature	
最高/max	110℃
最低/min	60℃
发动机最长操控时间/Max engine operation	
起飞推力/take off power	5min
慢车推力/idle power	5min

螺旋桨/Propeller

KIEV/PROP 283/1800 三叶地面可调桨距螺旋桨, 螺旋桨作为飞机的一部分进行认可审查/
KIEV/PROP 283/1800 Pulling three-blade ground adjustable propeller. Propeller is
certified as a part of the aircraft.

螺旋桨参数和限制/Propeller data and limits

型号认可证数据单/The Validation Data Sheet

最大允许转速/Max allowed speed:	2700rpm
螺旋桨允许的最大发动机推力/Max engine power allowable for the propeller	130HP
桨距调整范围/Geometrical pitch operating range	0.7-1.7m
径向最大偏心距/Radial runout up to	1.5mm
轴向最大偏心距/Axial runout up to	7.0mm
直径/Diameter	1800mm
旋转方向/Direction of turning	右/Right
重量/Weight	3.9Kg
最大起飞重量/Max takeoff weight	750KG
最大货物重量/Max cargo/baggage	30KG
空速限制/Airspeed limits	
VNE	227km/h
VNO	200km/h
VA	187km/h
VSO	82km/h
V _{FE}	140km/h
机动过载/Maneuver overload	
襟翼收起/Flaps retracted	Ny max=3.8 Ny min=-1.5
襟翼放出/Flaps extended	Ny max=2.0 Ny min=0.0
最小机组/Minimum Crew	一人/One
最大乘客数（包括机组）/Maximum Number of Occupants (including crew)	二人/Two
最大燃油重量（燃油密度 780kg/m ³ ）/Max fuel weight ($\gamma=780 \text{ kg/m}^3$)	78kg(100L)
最大升限/Max Operating altitude	3000m
最大机场高度/Max Aerodrome altitude	1000m
附加条件, 限制和信息/Additional conditions, limitations and information	
飞行条件/flight conditions	白天目视飞行/VFR day
	禁止在结冰条件下飞行/Flights in icing conditions are prohibited.
外界大气温度/Outside air temperature	-10℃到+35℃/Minus 10℃ up to +35℃
跑道条件/Runway surface condition	干或湿的平整跑道或道面强度不低于 6kg/cm ³ 的砂石跑道/Dry and wet paved runways and unpaved runways with ground strength not less than 6 kg/cm ³ .
更多关于运行限制、程序和维护的信息见经 IAC AR 批准的 A-27M 飞机的运行文件。/	
For further information about operational limitations, procedures and maintenance see	
IAC AR approved operational documentation for A-27M aircraft.	
适航性限制/Airworthiness limitations	
时寿限制见经 IAC AR 批准的飞机维修手册。/Time and life limits see in IAC AR approved	
A-27M Aircraft Maintenance Manual.	
型号设计定义/Type Design Definition	
型号设计由以下定义/The Type Design is defined by:	
Specification Sheet No.A-27V.00.0000.000;	

Aircraft Flight Manual A-27M.00.0000.000AFM;
Aircraft Maintenance Manual A-27M.00.0000.000AMM;
Service Manual A-27M.00.0000.000SM.

有效的序列号/Serial Numbers Eligible 017 及以后/017 and subsequent

2、 认可审定基础/VALIDATION CERTIFICATION BASIS

(1) IAC AR 型号合格审定基础: Airworthiness Standards JAR-VLA, JAR22 and Aviation Regulations, Part23 and 33, Part36 and ICAO Annex16.

IAC AR type certification basis: Airworthiness Standards JAR-VLA, JAR22 and Aviation Regulations, Part23 and 33, Part36 and ICAO Annex16.

(2) CAAC 型号认可审定基础: CAAC 接受除 AR Part33 以外的 IAC AR 的型号审定基础作为认可审定基础; 此外, CAAC 要求以下附加技术要求: 所有标记标牌要求用中文或英文书写 (指示驾驶舱门的位置及开启方法的文字必须用中文)。

CAAC validation certification basis is: CAAC accepts the IAC AR type certification basis except the AR Part33 as the type validation certification basis. In addition, CAAC requires the following additional technical condition: all the markings and placards should be in Chinese or English (the instructions to the location and operation of the cockpit door must be in Chinese).

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