

型号认可证数据单 THE VALIDATION DATA SHEET

编号/No.: VTC0278A
 版次/Revision: 0
 型号/Type:
 TAURUS

批准人/Approved by:



日期/Date: 2013-08-13

本数据单是型号认可证（编号 VTC0278A）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 a part of Validation Type Certificate (No: VTC0278A), prescribes conditions and limitations 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:

PIPISTREL d.o.o. Ajdovscina
 podjetje za alternativno letalstvo
 Goriska cesta 50A, 5270 Ajdovscina, Slovenia

有效页清单/List of effective pages :

页数/ Pages	1	2	3	4	5	6									
版次/Revision	0	0	0	0	0	0									

第 1 部分 概述

SECTION 1 GENERAL

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

	中国民用航空总局认可数据单号、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	No. VTC0278A, 版次 0 2013 年 8 月 13 日	CAA of the Republic of Slovenia TCDS No. TC 02/001-AT/ULN04, Revision 3, 28. 02. 2013.

2. 类别/**Airworthiness Category:** 特殊类别航空器-超轻型动力滑翔机
/Special Class Aircraft – Ultralight Powered Sailplane
3. 认可当局/**Validation Authority:** 中国民用航空局/**CAAC**
审定当局/**Certifying Authority:** 斯洛文尼亚民航局/**CAA of Slovenia**
4. 型号合格证持有人/**Type Certificate Holder:**
PIPISTREL, d.o.o. Ajdovščina,
podjetje za alternativno letalstvo
Goriška cesta 50A, 5270 AJDOVŠČINA
SLOVENIJA
5. 制造厂/**Manufacturer:** **PIPISTREL, d.o.o. Ajdovščina,**
podjetje za alternativno letalstvo

第 2 部分

SECTION 2

型号和型别/ **TAURUS**
TYPE AND MODEL: 超轻型动力滑翔机, 可收回拉进式螺旋桨/
 ULTRALIGHT POWERED SAILPLANE – RETRACTABLE
 TRACTOR PROPELLER
类型/CATEGORY: 特殊类别航空器-超轻型动力滑翔机/Special Class Aircraft –
 Ultralight Powered Sailplane

发动机/ENGINE:

发动机数量和型号/Number and type of Engine:

发动机/Engine	1台ROTAX 503UL发动机/1 Engine ROTAX 503UL
发动机型号/Engine Type:	503 DCDI 2V
最大功率/Maximum Power: (两个汽化器/2 carburetors)	49.6马力, 6500RPM 49,6 HP at 6500RPM

燃油规格/Fuel specifications:

无铅, EUROSUPER标准: 最低MON 83 RON 91; 美国标准最低: AKI 87。
 UNLEADED EUROSUPER min. MON 83 RON 91 min. AKI 87

发动机限制/Engine Limits:

最大起飞转速/ RPM max Take-off	最大连续转速/ RPM max cont	时间限制/Time Limit (最大起飞转速/RPM max Take-off)	汽缸头温度/ CHT	排气温度/ EGT
6800	6500	5分钟/min	250 °C	650 °C

螺旋桨/PROPELLER:

螺旋桨数量和型号/Number and type of Propeller:

螺旋桨数量/No. of Prop.	1
螺旋桨型号/Propeller Type	Pipistrel FB 2L

尺寸/DIMENSIONS:

翼展/Wing Span:	14.97 m
长度/Length:	7.30 m
高度/Height:	1.43 m
机翼面积/Wing area:	12.26 m ²
方向舵面积/Rudder area:	0.86 m ²
升降舵面积/Elevator area:	1.275 m ²

展弦比/Aspect ratio	18.3
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飞行控制面偏转/FLIGHT CONTROL DEFLECTIONS:

襟副翼下偏角/Flaperon settings (down)	5°, 9°, 18°
襟副翼上偏角/Flaperon settings (up)	5°

空速限制/AIRSPEED LIMITS (IAS):

V _A : 机动速度/Maneuvering speed	163 km/h
V _{NE} : 不可超越速度/Never Exceed speed	225 km/h
V _{FE} : 襟翼放出/Flap Extension	130 km/h
V _{SO} : 失速速度 (全襟翼) /Stalling speed (flaps fully extended)	63 km/h
V _{SI} : 失速速度 (襟翼收回) /Stalling speed (flaps retracted)	74 km/h
最大巡航速度/Maximum cruising speed	135 km/h
VPO: 发动机收回或放出操作的最大速度/Maximum speed with engine retracting or extending	100 km/h
VPE: 发动机放出时的最大速度/Maximum speed with engine extended	163 km/h
V _Y : 最佳爬升速度/Best climb speed	100 km/h
最佳爬升率 (最大起飞重量) /Best climb (MTOW):	2.9 m/s
V _T : 空中牵引最大速度/Maximum Speed in Aerotow	150 km/h
最小下降速度/Minimum sink speed	94 km/h
发动机收回最小下降率/Minimum sink with engine retracted	0,70 m/s
减速板伸出时最大下降率/Maximum sink with air brakes extended	5.8 m/s
最佳升阻比速度/Best L/D speed	108 km/h

飞行性能/FLIGHT PERFORMANCES:

发动机收回时最佳升阻比/Best L/D with engine retracted	1:41
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重心范围/CENTER OF GRAVITY (C.G.) RANGE

MAC	23% - 45%
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重量/WEIGHT:

空重/Empty weight:	285 kg—305 kg
最大起飞重量/Max takeoff mass	450 kg-机体未安装救生伞系统/without airframe mounted total recovery parachute system 472.5 kg-机体安装了救生伞系统/with airframe mounted total recovery parachute system

最大允许过载/MAXIMUM PERMITTED “G” LOAD:

过载限制/G-load limits	+5.3g, -2.65g (at V_A) +4g, -2g (at V_{NE})
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滚转时间/ROLL TIME:

-45°到+45°	3.9 s
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最小机组/MINIMUM CREW: 1

最大乘员/MAXIMUM PASSENGERS: 1

最大行李重量/MAXIMUM BAGGAGE: 10 kg

燃油量/FUEL CAPACITY:

燃油箱容积/Fuel tank capacity:	30 L或者60 L
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滑油量/OIL CAPACITY:

0 (无滑油/no oil)

最大航程/MAXIMUM RANGE:

10%储备续航时间/Endurance with 10% reserve	2.5小时/5小时 2.5 hours/5 hours
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最大运行高度/MAXIMUM OPERATING ALTITUDE:

实用升限(最大起飞重量)/Service ceiling (MTOW)	3900 m
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起飞条件/TAKE-OFF CONDITIONS:

滑跑距离(最大起飞重量)/Take-off run (MTOW)	180 m/232 m (草地/grass)
飞越15米障碍的起飞距离/Take-off runway distance over 50 ft obstacle	265 m/360 m (草地/grass)

燃油消耗/FUEL CONSUMPTION:

巡航速度下燃油消耗/Fuel consumption at cruising speed	12 升/小时 12 l/h
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仪表和最小设备/INSTRUMENTS AND MINIMUM EQUIPMENT

仪表/Instruments:

空速指示器/Airspeed indicator

高度表/Altimeter

磁罗盘/Magnetic compass

燃油量指示器/Fuel quantity indicator

转速表/RPM indicator

汽缸头温度指示器/CHT indicator

设备/Equipment:

座椅安全肩带/Seat harness

降落伞/Parachute

必要的文件/REQUIRED DOCUMENTATION:

飞行手册/Flight Manual

维修手册/Maintenance Manual

制造符合性声明/Certificate of conformity-atest

斯洛文尼亚民航局审定基础/CAA of Slovenia Certification Basis:

LTF-UL2003, CS-VLA, CS-22, ASTM F2339-06

CAAC认可审定基础/CAAC Validation Basis:

CAAC接受斯洛文尼亚民航局审定基础为认可审定基础。

CAAC Accept the CAA of Slovenia Certification Basis as Validation Basis.

注释/Notes:

注1: 在Taurus飞机上没有CCAR 21.29第(五)款第1项、第(五)款第2项和(五)第3项要求的中文标记标牌。因此, CCAR 21.29第(五)款的中文语言要求不作为Taurus飞机认可审定基础中的专用技术条件。

Note 1: There is no Chinese language markings or placards on Taurus required by CCAR 21.29 (e)(1), (e)(2), and (e)(3). Therefore, Chinese language requirement of markings and placards in CCAR 21.29(e) is not required as CAAC Additional Technical Conditions in the validation basis for Taurus.

结束

END