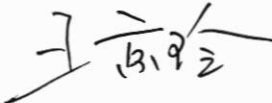


中国民用航空局
CIVIL AVIATION ADMINISTRATION OF CHINA

型号合格证数据单
TYPE CERTIFICATE
DATA SHEET

编号/No: TC0026A
版次/Revision: 0
型别/Model: Remos GX

批准人/Approved by: Wang Jingling


日期/Date: 2017 年 8 月 29 日

本数据单是型号合格证（编号：TC0026A）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合格证的产品状态和限制。
This data sheet, which is part of Type Certificate (No: TC0026A), prescribes condition and limitation under which the product for which the type certificate was issued meets the airworthiness requirement of the Chinese Civil Aviation Regulation.

型号合格证持有人/ Type Certificate Holder:

REMOS AG
Franzfelde 31
17309 Pasewalk
Germany

版次/Revision	0	0	0	0	0	0	0	0	0			
有效页/Effective Page	1	2	3	4	5	6	7	8	9			

第 1 部分 A: REMOS GX**SECTION 1.A: REMOS GX****A.I. 概述**

1. a) 型号: REMOS GX
b) 衍生型: N/A
2. 适航类别: LSA 轻型运动航空器
3. 型号设计批准书持有人: **REMOS AG**
Franzfelde 31
17309 Pasewalk
Germany
4. 制造人: **REMOS AG**
Franzfelde 31
17309 Pasewalk
Germany
5. 申请日期: 2010 年 12 月 1 日
6. CAAC 型号设计批准日期: 2017 年 8 月 29 日

A.I. General

1. a) Type: REMOS GX
b) Variant: N/A
2. Airworthiness Category: LSA
3. Type Design Approval Holder: **REMOS AG**
Franzfelde 31
17309 Pasewalk
Germany
4. Manufacturer: **REMOS AG**
Franzfelde 31
17309 Pasewalk
Germany
5. Application Date: December 1, 2010

6. CAAC Type Design Approval Date: **29-Aug -2017**

A.II. 审定基础

- | | |
|---------------|---|
| 1. CAAC 规章和政策 | CCAR 21.25(CCAR -21-R3),
AP-21-AA-2015-37R1, AC-21-AA-2009-25R1 |
| 2. 相关的技术标准 | ASTM F2245-14、F2295-10、F2483-12、
F2746-14、F2339-06、F2506-13、F2316-12 |
| 3. 专用条件: | 无 |
| 4. 等效安全判定: | 无 |
| 5. 环境要求: | 无 |

A.II. Certification Basis

- | | |
|-------------------------------|---|
| 1. CAAC regulation and Policy | CCAR-21-R3 21.25, AP-21-AA-2015-37R1,
AC-21-AA-2009-25R1 |
| 2. Related Technical | ASTM F2245-14、F2295-10、F2483-12 、
F2746-14、 F2339-06、F2506-13、F2316-12 |
| 3. Special Condition | None |
| 4. Equivalent Level of Safety | None |
| 5. Environmental Standards: | None |

A.III. 技术参数和操作限制

- | | |
|------------|---|
| 1. 型号设计定义: | 主图纸目录; R19, 2016 年 10 月 12 日 |
| 2. 描述: | 单发动机螺旋桨上高翼飞机, 两个座位, 带有不锈钢
机翼支柱的复合材料结构。 |
| 3. 设备: | 空速表, 高度表, 磁罗盘, 带有 DYNON D-700 发动
机监控 SV-EMS-220, 安全带, 12V 电池 |
| 4. 尺寸: | 长度: 6.47 m
宽度: 2.28 m
高度: 9.32 m |
| 5. 操纵面偏度: | |
| 副翼: | 上偏: $21^{\circ} \pm 1^{\circ}$ |

- 方向舵:
- 下偏: $12^{\circ} \pm 1^{\circ}$
参考平面: 翼型的形状
左偏: $28^{\circ} \pm 2^{\circ}$
右偏: $28^{\circ} \pm 2^{\circ}$
参考平面: 垂尾的形状
- 升降舵:
- 上偏: $29^{\circ} \pm 1^{\circ}$
下偏: $19^{\circ} \pm 1^{\circ}$
参考平面: 水平尾翼的形状
6. 发动机 Rotax 912 ULS
- 6.1 发动机限制:
- 最大转速 5800 rpm (最多 5 分钟).
最大连续转速 5500 rpm
发动机其他使用限制参见 OM-912
7. 螺旋桨:
- Neuform CR3-65-(IP)-47-101,6, 三叶复合材料式地面
可调节定距螺旋桨
8. 液体:
- SI-912-016 《服务说明---912 i, 912 及 914 系列
ROTAX®发动机适合的工作液体》
- 8.1 燃油:
- 除了航空汽油和无铅车用燃料(车用汽油), 912 及
914 系列 ROTAX®发动机现已获准使用 E10。关于乙
醇含量多于 10% 的燃料混合物, RP- Powertrain 公司
并未做过相应测试, 不允许使用。
- 车用汽油: EN 228 Super 或 EN 228 Super plus
航空汽油: AVGAS 100 LL (含铅) ASTM D910
UL91 (无铅) ASTM D7547
- 8.2 滑油:
- 强烈建议使用含有齿轮添加剂的滑油例如壳牌
AeroShell Oil Sport Plus 4。
- 1) 依据 RON424
2) 新配方
3) 红瓶
- 8.3 冷却液:
- 原则上, 两种不同类型的冷却剂被允许:
-基于乙二醇与水含量各为 50% 的常规冷却剂
-基于丙二醇无水冷却剂(不允许用于 912 i 系列)
9. 液体容量:

-
2. Description: Single engine propeller high wing airplane, two seats, composite structure with steel wing struts,
3. Equipment: Airspeed Indicator, Altimeter, Compass, DYNON D-700 with SV-EMS-220 for Engine Monitoring, Safety Belts, 12V Battery
4. Dimensions: Length: 6.47 m
Height: 2.28 m
Wingspan: 9.32 m
5. Control surface deflections:
- Aileron: Upward: $21^{\circ} \pm 1^{\circ}$
Downward: $12^{\circ} \pm 1^{\circ}$
Reference: in shape of wing airfoil
- Rudder: Left: $28^{\circ} \pm 2^{\circ}$
Right: $28^{\circ} \pm 2^{\circ}$
Reference: in shape of vertical tail airfoil
- Elevator: Upward: $29^{\circ} \pm 1^{\circ}$
Downward: $19^{\circ} \pm 1^{\circ}$
Reference: in shape of horizontal tail airfoil
6. Engine: ROTAX 912 ULS compliant to ASTM F2339-06
- 6.1 Engine Limits: Max rotational speed 5800 rpm (5 minutes, max.).
Max continuous rotational speed 5500 rpm
For power-plants limits refer to OM-912
7. Propeller: Neuform CR3-65-(IP)-47-101,6
3 blade composite ground adjustable
8. Fluids: SI-912-016 SERVICE INSTRUCTION
SELECTION OF SUITABLE OPERATING FLUIDS FOR
ROTAX® ENGINE TYPE 912 i , 912 AND 914 (SERIES)
- 8.1 Fuel: In addition to AVGAS and unleaded automotive fuel (Mogas) the ROTAX® 912/914 Series of engines are now approved for use with E10. Fuels that contain more than 10% ethanol blend have not been tested by RP-Powertrain and are not permitted for use.
MOGAS: EN 228 Super or EN 228 Super plus

	AVGAS:	AVGAS 100 LL (leaded)	ASTM D910
		UL91 (unleaded)	ASTM D7547
8.2 Oil:	Oils with gear additives such as AeroShell Oil Sport Plus 4 are highly recommended.		
	1) according to RON 424		
	2) with new formulation		
	3) in red bottle		
8.3 Coolant:	In principle, 2 different types of coolant are permitted:		
	- Conventional coolant based on ethylene glycol with 50% water content		
	- Waterless coolant based on propylene glycol (not allowed for 912 i Series)		
9. Fluid capacities:			
9.1 Fuel:	Total:	84 litres	
	Usable:	80 litres	
9.2 Oil:	Max:	3.0 litres	
	Min:	2.0 litres	
9.3 Coolant:	Max:	2.4 litres	
	Min :	2.0 litres	
10. Airspeed Limits (IAS):	Never exceed speed V_{NE}	249 km/h	
	Design Maneuvering Speed V_A	163 km/h	
	Maximum rough-air speed V_B	198 km/h	
11. Operation Conditions	- Day-VFR operation only		
	- Aerobatics and intentional spins are prohibited		
	- No flight in known icing conditions		
	- Flight with doors removed is permitted up to 180km/h		
12. Maximum Masses:	Take-off	600 kg	
	Landing	600 kg	
	Taxi	600 kg	
13. Centre of Gravity Range	Forward limit:	245 mm	

(aft of Datum):	Rearward limit: 415 mm
14. Datum:	Wing Leading Edge near Fuselage
15. (Reserved)	
16. Levelling Means:	Wing airfoil chord, Measured with tube level between trailing edge and levelling mark on leading edge
17. Minimum Flight Crew:	1 (Pilot)
18. Maximum Passenger Seating Capacity:	1
19. (Reserved)	
20. Baggage / Cargo Compartments:	25 kg

A.IV. 操作和服务指导

REMOS GX 飞行操作手册:	Pilot Operating Handbook for REMOS GX
维护和检查程序手册:	Maintenance Manual REMOS GX

A.IV. Operating and Service Instructions

REMOS GX Flight And Operation Manual:	Pilot Operating Handbook for REMOS GX
Maintenance and Inspection Procedures Manual:	Maintenance Manual REMOS GX

A.V. 注

1. 下列项目必须至少以中文给出:
- 供乘客使用的标记和标牌;
 - 供营救人员在应急撤离情况下使用的标记和标牌。

A.V.Notes

1. the following items should be in Chinese language at least:
- Markings and placards for passenger usage;
 - Markings and placards for rescue personnel usage in case of emergency evacuation.

第 2 部分: 修订记录

发布	日期	修订
1	年 月 日	首次发布

SECTION 2: CHANGE RECORD

Issue	Date	Change
1		Initial issue

结束