

型号认可证数据单

THE VALIDATION DATA SHEET

编号/No: VTC0130A

版次/Revision: 6

型号/Type: 172 Series

型别/Model:

172R

172S

批准人/Approved By:



职务/Title: Deputy Director General

日期/Date: 2025 年 9 月 28 日

本数据单是型号认可证(编号: VTC0130A)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: VTC0130A), 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:

Textron Aviation Inc.

One Cessna Boulevard

Wichita, Kansas 67215

目录 / Contents

第 1 部分 总则（所有型别） /SECTION 1 General (ALL MODELS).....	2
第 2 部分/SECTION 2: 172R	4
I. 总则/General	4
II. 认可审定基础/Validation Certification Basis	4
III.技术特征和运行限制/Technical Characteristics and Operational Limitations	5
IV.经批准的中文标记标牌/ The Approved Chinese Placards.....	11
V. 注释/NOTES	11
第 3 部分/SECTION 3: 172S	13
I. 总则/General	13
II. 认可审定基础/Validation Certification Basis	13
III.技术特征和运行限制/Technical Characteristics and Operational Limitations	15
IV.经批准的中文标记标牌/ The Approved Chinese Placards.....	18
V. 注释/NOTES	18
第 4 部分：管理信息/SECTION 4: ADMINISTRATIVE INFORMATION	20
I.型号认可证持有人记录/ Validation of Type Certificate Holder Record	20

第 1 部分 总则（所有型别）/SECTION 1 General (ALL MODELS)**1. 型号认可证数据单版次信息以及修订记录/ Revision and Change Record of the Validation of Type Certificate Data Sheet**

数据单版次信息/Revision of the 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	VTC0130A 6 2025/09/28	172R No.3A12 Rev 84, Jul 29, 2015 172S No.3A12 Rev 87, Aug 13, 2024
历史/ History	VTC0130A 5 2022/03/30 VTC0130A 4 2019/04/02 VTC0130A 3 2013/10/18 VTC0130A 2 2008/05/09 VTC0130A 1 2002/07/26 VTC0130A 0 1998/04/27	172R No.3A12 Rev 84, Jul 29, 2015 172S No.3A12 Rev 86, Jul 21, 2021 172R No.3A12 Rev 84, Jul 29, 2015 172S No.3A12 Rev 84, Jul 29, 2015 172R No.3A12 Rev 83, Dec 04, 2012 172S No.3A12 Rev 83, Dec 04, 2012 172R No.3A12 Rev 76, Feb 05, 2008 172S No.3A12 Rev 76, Feb 05, 2008 172R No.3A12 Rev 172S No.3A12 Rev 172R No.3A12 Rev

注：上表中出口国局方型号合格证数据单信息仅供参考

Note: Above TCDS information of Certification Authority is only for reference

认可数据单修订记录/Change Record of the VTCDS

版次/Revision	相对上一版的修订记录 Change Record	备注 Remark
版次 6/Rev 6	1. 更新了文本，列出 172R 的认可审定基础。 Updated the text to list the Validation Certification Basis for 172R. 2. 更新了 172S 的认可审定基础。 Updated Validation Certification Basis for 172S. 3. 更新了 172S 的注释 2，包括 FAA 批准的 AFM P/N 172SPHCUS-00。 Updated Note 2 of 172S to include FAA Approved AFM P/N 172SPHCUS- 00. 4. 增加了注释 6 和注释 7。 Add NOTE 6 and NOTE 7. 5. 增加了第 4 部分管理信息。 Add the section 4 ADMINISTRATIVE INFORMATION.	
版次 5/Rev 5	1. 修改型号合格证持有人地址 Change the address of Type Certificate Holder 2. 修正了 172R 和 172S 的 CAAC 附加技术条件 Correct the CAAC Additional Technical Conditions of 172R and 172S.	

	3. 删除 “中国航空燃油 3 号喷气燃料（GB-6537-2006）” Delete “Chinese Jet Fuel No.3 (GB-6537-2006)” 4. 针对第三部分/Section 3 172S: （1）增加经批准的中文标牌 Add the approved chinese placards. （2）注释 2 更改标牌相关要求 NOTE 2 Change the requirements about placards	
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- | | |
|---|--|
| 2. 适航类别/Airworthiness Category: | 正常类/Normal Category
实用类航空器/Utility Category aircraft |
| 3. 认可当局/Validation Authority:
审定当局/Certifying Authority: | 中国民用航空局/CAAC
美国联邦航空局/FAA |
| 4. 型号合格证持有人/Type Certificate Holder: | Textron Aviation Inc.
One Cessna Boulevard
Wichita, Kansas 67215 |
| 5. 延程飞行/ETOPS: | 不适用/NA |

第 2 部分/SECTION 2: 172R

I. 总则/General

- | | |
|--------------------------------------|--|
| 1. 型别/Model: | 172R |
| 2. 适航类别/Airworthiness Category: | 正常类/Normal Category aircraft
实用类航空器/Utility Category aircraft |
| 3. 型号合格证持有人/Type Certificate Holder: | Textron Aviation Inc.
One Cessna Boulevard
Wichita, Kansas 67215 |
| 4. FAA 批准日期/FAA Approved Date: | 1996.06.21/June 21, 1996 |
| 5. CAAC 批准日期/CAAC Approved Date: | 1998.04.27/April 27, 1998 |

II. 认可审定基础/Validation Certification Basis

CAAC的认可审定基础由FAA的审定基础和CAAC的附加技术条件组成。

The CAAC validation certification basis consists of the FAA certification basis and the CAAC additional technical conditions.

1. FAA 审定基础/FAA certification basis

FAA型号合格证数据单3A12（版本84）中172R型机的审定基础如下：

Certification basis of FAA Type Certificate Data Sheet No. 3A12 Rev. 84 for Model 172R as follows:

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows: FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7. FAR 23.807 and 23.1524 as amended by Amendment 23-10. FAR 23.507; 23.771; 23.853(a), (b) and (c); and 23.1365 as amended by Amendment 23-14. FAR 23.951 as amended by Amendment 23-15. FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17. FAR 23.1301 as amended by Amendment 23-20. FAR 23.1353; and 23.1559 as amended by Amendment 23-21. FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23. FAR 23.441 and 23.1549 as amended by Amendment 23-28. FAR 23.779 and 23.781 as amended by Amendment 23-33. FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34. FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amendment 23-42. FAR 23.961; 23.1093; 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43. FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44. FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45.

FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21.

以下增加的审定基础仅适用于Garmin G1000综合驾驶舱系统(ICS):

Additions for the Garmin G1000 Integrated Cockpit System (ICS) Only:

14 CFR 23.303; 23.307; 23.601; 23.1163(a); 23.1367 and 23.1381 as amended by Amendment 23- N/C. 14 CFR 23.1589 as amended by Amendment 23-13. 14 CFR 23.771(a) as amended by Amendment 23-14. 14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17. 14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20. 14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21. 14 CFR 23.603 and 23.605 as amended by Amendment 23-23. 14 CFR 23.1529 as amended by Amendment 23-26. 14 CFR 23.561(e); 23.1523; 23.1581(a)(2); and 23.1583(a), (c), (d), (f); and 23.1585(a)(b)(d) as amended by Amendment 23-34. 14 CFR 23.301 as amended by Amendment 23-42. 14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43. 14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45. 14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321 (a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329 (g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431(a)(b)(d)(e) as amended by Amendment 23-49. 14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (b)(4); 23.1553; 23.1555(a)(b); 23.1563(a) and 23.1567(a) as amended by Amendment 23-50. 14 CFR 23.777(a)(b);

23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23-51. 14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52. 14 CFR 23.901(a)(b) as amended by Amendment 23-53.

以下增加的审定基础仅适用于Garmin GFC-700自动飞行控制系统(AFCS):

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20, 14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.

等效安全:

Equivalent Safety Items:

(1) Induction System Icing Protection FAR § 23.1093; Refer to FAA letter dated 5/3/96

(2) Throttle Control FAR § 23.1143(g); Refer to FAA letter dated 3/22/96

(3) Mixture Control FAR § 23.1147(b); Refer to FAA letter dated 3/22/96

(4) Anti-Collision Light System 14 CFR § 23.1401(d); Refer to ACE-07-09, FAA letter dated 10/12/07

(5) Aviation White Color Reqmt 14 CFR § 23.1397(c); Refer to ACE-07-10, FAA letter dated 11/29/07

型号合格证修订申请日期为1995年9月25日。

型号合格证No. 3A12于1996年6月21日修订。

Date of Application for Amended Type Certificate was September 25, 1995.

Type Certificate No. 3A12 was amended June 21, 1996.

序列号: 17280001及以上

Serial Numbers Eligible 17280001 and On

专用条件如下:

Special Conditions as follows:

No. 23-159-SC, "Special Conditions: Cessna Aircraft Company; Cessna Model 172R Airplane; Installation of Electronic Flight Instrument System and the Protection of the System From High Intensity Radiated Fields (HIRF)."

2. CAAC 附加技术条件/CAAC Additional Technical Conditions

无。

None

III. 技术特征和运行限制 /Technical Characteristics and Operational Limitations

发动机/Engines

莱康明公司制造的 IO-360-L2A, 额定 160 马力
(CAAC VTC 编号: VTC149E, VTCDS 版本 4)

Lycoming IO-360-L2A, Rated 160 Horsepower
(CAAC VTC No. VTC149E, VTCDS Revision 4)

但当经塞斯纳 MK172-72-01 号改装后 (见注释 4)

莱康明公司制造的 IO-360-L2A, 额定 180 马力

When Modified by Cessna Modification Kit MK172-72-01(See NOTE 4)

Lycoming IO-360-L2A, Rated 180 Horsepower

燃油/Fuel

最低航空汽油等级 100/100LL

100/100LL minimum grade aviation gasoline

发动机限制/Engine Limits

在所有使用情况下, 2400 转/分钟

For all operations, 2,400 RPM

但当经塞斯纳 MK172-72-01 号改装后（见注释 4）

在所有使用情况下，2700 转/分钟

When modified by Cessna Modification Kit MK172-72-01(See NOTE 4)

For all operations, 2,700 RPM

螺旋桨/Propeller

(a) 麦克利型别： 1C235/LFA7570,

(CAAC 型号认证编号 VTC0243P, VTCDS 版本 0)

(b) 桨毂： 图号 0550236

(a) McCauley Model: 1C235/LFA7570,

(CAAC Validation Type Certificate No. VTC0243P, VTCDS Revision 0)

(b) Spinner: Drawing No.0550236

但当经塞斯纳 MK172-72-01 号改装后（见注释 4）

(a) 麦克利型别： 1A170E/JHA7660,

(CAAC 型号认证编号 VTC0241P, VTCDS 版本 0)

(b) 桨毂： 图号 0550236

When modified by Cessna Modification Kit MK172-72-01 (See NOTE 4)

(a) McCauley Model: 1A170E/JHA7660,

(CAAC Validation Type Certificate No. VTC0241P, VTCDS Revision 0)

(b) Spinner: Drawing No.0550236

螺旋桨限制/Propeller Limits

在满油门下的静态转速：不超过 2165 转/分钟，不低于 2065 转/分钟

不得有额外容差

直径：不超过 75 英寸，不低于 74 英寸

Static RPM at full throttle: Not over 2165; Not Under 2065

No Additional Tolerance Permitted

Diameter: Not over 75 inches; not under 74 inches

但当经塞斯纳 MK172-72-01 号改装后（见注释 4）

在满油门下的静态转速：不超过 2400 转/分钟，不低于 2300 转/分钟

不得有额外容差

直径：不超过 76 英寸，不低于 75 英寸

When modified by Cessna Modification Kit MK172-72-01 (See NOTE 4)

Static RPM at full throttle: Not over 2,400; Not Under 2,300

No Additional Tolerance Permitted

Diameter: not over 76 inches, not under 75 inches

空速限制/Airspeed limits:

机动速度	99 节（指示空速）	（97 节（校正空速））
最大结构巡航速度	129 节（指示空速）	（126 节（校正空速））
不可超越速度	163 节（指示空速）	（160 节（校正空速））
襟翼展态速度	85 节（指示空速）	（84 节（校正空速））
Maneuvering	99 Knots IAS	(97 Knots CAS)
Max. Structural Cruising	129 Knots IAS	(126 Knots CAS)
Never Exceed	163 Knots IAS	(160 Knots CAS)
Flaps Extended	85 Knots IAS	(84 Knots CAS)

但当经塞斯纳 MK172-72-01 号改装后（见注释 4）,

机动速度 105 节（指示空速） （102 节（校正空速））

最大结构巡航速度 129 节（指示空速） （126 节（校正空速））

不可超越速度 163 节（指示空速） （160 节（校正空速））

襟翼展态速度 85 节（指示空速） （84 节（校正空速））

When modified by Cessna Modification Kit MK 172-72-01(See NOTE 4)

Maneuvering 105 Knots IAS (102 Knots CAS)

Max. Structural Cruising	129 Knots IAS	(126 Knots CAS)
Never Exceed	163 Knots IAS	(160 Knots CAS)
Flaps Extended	85 Knots IAS	(84 Knots CAS)

重心范围/CG Range:

当使用 POH.AFM 172RPHUS-00 及其后续版本或 172RPHAUS-00 至 03 时
When Using POH.AFM 172RPHUS-00 or later rev or 172RPHAUS-00 thru-03
正常类

- | | |
|--------|---|
| (1) 后限 | 在不大于 2450 磅时, 基准之后的 47.3 英寸处 |
| (2) 前限 | 在 2450 磅时, 基准之后的 40.0 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。 |

Normal Category

- | | |
|--------------------|---|
| (1) Aft Limits | 47.3 inches aft of datum at 2,450 pound or less. |
| (2) Forward Limits | Linear variation from 40.0 inches aft of datum at 2,450 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less. |

实用类

- | | |
|--------|---|
| (1) 后限 | 在不大于 2100 磅时, 基准之后的 40.5 英寸处 |
| (2) 前限 | 在 2100 磅时, 基准之后的 36.5 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。 |

Utility Category

- | | |
|--------------------|---|
| (1) Aft Limits | 40.5 inches aft of datum at 2,100 pounds or less. |
| (2) Forward Limits | Linear variation from 36.5 inches aft of datum at 2,100 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less. |

当使用 POH.AFM 172RPHAUS-04 及其后续版本或 172RPHBUS-00 及其后续版本时

When Using POH.AFM 172RPHAUS-04 or later rev or 172RPHBUS-00 or later rev

正常类

- | | |
|--------|---|
| (1) 后限 | 在不大于 2450 磅时, 基准之后的 47.3 英寸处 |
| (2) 前限 | 在 2450 磅时, 基准之后的 40.0 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。 |

Normal Category

- | | |
|--------------------|---|
| (1) Aft Limits | 47.3 inches aft of datum at 2,450 pounds or less. |
| (2) Forward Limits | Linear variation from 40.0 inches aft of datum at 2,450 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less. |

实用类

- | | |
|--------|---|
| (1) 后限 | 在不大于 2200 磅时, 基准之后 40.5 英寸处 |
| (2) 前限 | 在 2200 磅时, 基准之后 37.5 英寸处; 在 1950 磅时, 基准之后 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。 |

Utility Category

- | | |
|--------------------|---|
| (1) Aft Limits | 40.5 inches aft of datum at 2,200 pounds or less. |
| (2) Forward Limits | Linear variation from 37.5 inches aft of datum at 2,200 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less. |

但当经塞斯纳 MK172-72-01 号改装后 (见注释 4) ,

When Modified by Cessna Modification Kit MK172-72-01 (See NOTE 4)

正常类

- (1) 后限 在不大于 2550 磅时, 基准之后的 47.3 英寸处
 (2) 前限 在 2550 磅时, 基准之后的 41.0 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。

Normal Category

- (1) Aft Limits 47.3 inches aft of datum at 2,550 pounds or less.
 (2) Forward Limits Linear variation from 41.0 inches aft of datum at 2,550 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less.

实用类

- (1) 后限 在不大于 2200 磅时, 基准之后的 40.5 英寸处
 (2) 前限 在 2200 磅时, 基准之后的 37.5 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处

Utility Category

- (1) Aft Limits 40.5 inches aft of datum at 2,200 pounds or less.
 (2) Forward Limits Linear variation from 37.5 inches aft of datum at 2,200 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less.

空重重心/Empty Wt. C.G. Range:
 无/None

参考基准/Reference Datum:

防火墙前表面的较低部位
 Lower portion of front face of firewall

平均气动弦/MAC:

58.8 英寸; 平均气动弦前缘为基准之后的 25.9 英寸处
 58.8 inches; Leading edge of MAC 25.9 inches aft of datum

水平测量措施/Leveling Means:

尾锥左侧、基准之后的 108.0 英寸和 142.0 英寸处
 Left side of Tailcone at 108.0 inches and 142.0 inches aft of datum

最大重量/Maximum Weights:

当使用 POH.AFM 172RPHUS-00 及后续版本或 172RPHAUS-00 到-03 时
When Using POH.AFM 172RPHUS-00 or later rev or 172RPHAUS-00 thru -03

正常类

最大停机坪重量 2457 磅
 最大起飞及着陆重量 2450 磅

Normal Category

Maximum Ramp: 2,457 pounds
 Maximum Takeoff and Landing: 2,450 pounds

实用类

最大停机坪重量 2107 磅
 最大起飞及着陆重量 2100 磅

Utility Category

Maximum Ramp: 2,107 pounds
 Maximum Takeoff and Landing: 2,100 pounds

当使用 POH.AFM 172RPHAUS-04 及其后续版本或 172RPHBUS-00 及其后续版本时
When Using POH.AFM 172RPHAUS-04 or later rev or 172RPHBUS-00 or later rev

正常类

最大停机坪重量 2457 磅

最大起飞及着陆重量 2450 磅

Normal Category

Maximum Ramp 2,457 pounds

Maximum Takeoff and Landing 2,450 pounds

实用类

最大停机坪重量 2207 磅

最大起飞及着陆重量 2200 磅

Utility Category

Maximum Ramp 2,207 pounds

Maximum Takeoff and Landing 2,200 pounds

但当经塞斯纳 MK172-72-01 号改装后（见附注 4）

When Modified by Cessna Modification Kit MK 172-72-01(See NOTE 4)正常类

最大停机坪重量 2558 磅

最大起飞及着陆重量 2550 磅

Normal Category

Maximum Ramp: 2,558 pounds

Maximum Takeoff and Landing 2,550 pounds

实用类

最大停机坪重量 2208 磅

最大起飞及着陆重量 2200 磅

Utility Category

Maximum Ramp: 2,208 pounds

Maximum Takeoff and Landing: 2,200 pounds

座位数量/No. of Seats:

4 (2 个座位在基准之后的 34.0 英寸至 46.0 英寸之间; 2 个座椅在基准之后的 73.0 英寸)

4 (2 at 34.0 to 46.0 inches aft of datum; 2 at 73.0 inches aft of datum)

最大行李重量/Maximum Baggage:

120 磅, 在基准之后的 95.0 英寸处

120 pounds at 95.0 inches aft of datum

但当经塞斯纳 MK172-72-01 号改装后（见注释 4）

120 磅在基准之后的 82.0 至 108.0 英寸之间

50 磅在基准之后的 108.0 至 142.0 英寸之间

（行李舱位置的最大累积承重量为 120 磅）

When Modified by Cessna Modification Kit MK172-72-01 (See NOTE 4)

120 pounds at 82.0 to 108.0 inches aft of datum

50 pounds at 108.0 to 142.0 inches aft of datum

(Maximum combined weight capacity for baggage areas is 120 pounds)

燃油容量（加仑）/Fuel Capacity(Gal.):

总计 56 加仑, 可用燃油 53 加仑

（两个 28 加仑的机翼油箱, 位于基准之后的 48.0 英寸处）

关于不可用燃油, 见注释 1

56 gal. Total; 53 gal. Usable

(Two 28 gallon tanks in wings at 48.0 inches aft of datum)

See NOTE 1 for data on unusable fuel.

滑油容量 (加仑) /Oil Capacity(Gal.):

2.0 加仑, 基准之前的 13.1 英寸处;
 可用滑油 3.5 夸脱
 2.0 gallons at 13.1 inches forward of datum
 3.5 quarts usable

但当经塞斯纳 MK172-72-01 号改装后 (见注释 4),

2.0 加仑, 基准之前的 13.1 英寸处

可用滑油 3.0 夸脱

When Modified by Cessna Modification Kit MK 172-72-01(See NOTE 4)

2.0 gallons at 13.1 inches forward of datum

3.0 quarts usable

操纵面位移/Control Surface Movements:

机翼襟翼:	起飞	0° - 10°		
	着陆	0° -30° +0° /-2°		
副翼:	向上	20° ±1°	向下	15° ±1°
升降舵调整片:	向上	22° +1° /-0°	向下	19° +1° /-0°
升降舵:	向上	28° +1° /-0°	向下	23° +1° /-0°

(中立位置为升降舵平衡区底面与水平安定面齐平的位置)

方向舵 (测量平行于水线): 向右 16° 10' ±1° 向左 16° 10' ±1°

方向舵 (测量垂直于铰链线): 向右 17° 44' ±1° 向左 17° 44' ±1°

Wing Flaps:	Takeoff	0° -10°		
	Landing	0° -30° +0° /-2°		
Ailerons:	Up	20° ±1°	Down	15° ±1°
Elevator Tab:	Up	22° +1° /-0°	Down	19° +1° /-0°
Elevator:	Up	28° +1° /-0°	Down	23° +1° /-0°

(Neutral position is with bottom of balance area flush with bottom of stabilizer)

Rudder (Measured parallel to W.L.): Right: 16° 10' ±1° Left: 16° 10' ±1°

Rudder (Measured perpendicular to Hinge): Right: 17° 44' ±1° Left: 17° 44' ±1°

制造人序列号/Serial Numbers Eligible:

17280001 及其以后

17280001 and On

生产依据/Production Basis:

生产许可证编号 PC-4, 1997年3月28日颁发。适用于序列号 17280014, 17280015, 17280017, 17280021 至 17280029, 17280031 及之后的飞机。没有列出序列号的飞机是基于 TC only 生产的。根据美国联邦航空条例 21 部, 塞斯纳可以根据委任选择授权 (NO.CE-1) 的委任规定颁发适航证书。

Production Certification No. PC-4 issued March 28, 1997. Applies to airplane serial numbers 17280014, 17280015, 17280017, 17280021 through 17280029, and 17280031 and on. Airplane serial numbers not listed were produced under Type Certificate only. Cessna is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

设备/Equipment:

适用的适航条例 (见认可审定基础) 规定的必要的设备必须安装在飞机上供适航审定

The basic required equipment as prescribed in the applicable airworthiness regulations (see Validation Certification Basis) must be installed in the airplane for certification.

IV.经批准的中文标记标牌/ The Approved Chinese Placards

无/None

V. 注释/NOTES

注释/NOTE 1: 重量和平衡:
Weight and Balance:

制造人序列号: 17280001 和及其之后的

审定空重及其相应的重心位置必须包括不可用燃油 18 磅在基准之后的 46.0 英寸处) 和全部滑油 15.0 磅在基准之前的 13.1 英寸处。

Serial Nos. 17280001 and On

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 18 pounds at 46.0 inches aft of datum, and full oil of 15.0 pounds at 13.1 inches forward of datum.

注释/NOTE 2: 飞机必须按照相应的驾驶员操作手册和 FAA 批准的飞机飞行手册(POH/AFM)运行。编号为 172R PHUS00 的 POH/AFM (或 FAA 后续批准的修订) 适用于 172R 型飞机: 编号为 172R180 PH00 的 POH/AFM (或 FAA 后续批准的修订) 适用于经塞斯纳改装 KIT MK172-72-01 改装的 172R 型飞机。除非特别说明, 172RPHUS00 手册的所有 POH/AFM 增补本也适用于 172R180 PH00 手册。FAA 要求的所有标牌内容在驾驶员操作手册和 FAA 批准的飞机飞行手册 (POH/AFM) 第二章。标牌内容也可以在编号为 172RMM00 的维修手册 (或其后续修订版) 第 11 章“标牌和标记”中找到。

The airplane must be operated according to the appropriate Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM). POH/AFM part number 172RPHUS00 (or later approved revision) is applicable to Production Model 172R. POH/AFM part number 172R180PH00 (or later approved revision) is applicable to Production Model 172R airplanes when modified by Cessna Modification Kit MK172-72-01. All POH/AFM Supplements approved for part number 172RPHUS00, are also applicable to part number 172R180PH00, unless specifically noted otherwise in the Supplement. All FAA required placards are included in Section 2 of the applicable POH/AFM. Placards may also be found in the Maintenance Manual, part number 172RMM00 (or later revision), Chapter Eleven (11), "Placards and Markings."

FAA 批准的飞行手册 (AFM): 编号 172RPHAUS-00 (或后续修订版) 适用于装有 Garmin G1000 驾驶舱综合系统的 172R 型飞机。该飞机必须按照相应飞行手册运行。要求的标牌内容在飞机飞行手册中。

FAA Approved Airplane Flight Manual (AFM): Part Number 172RPHAUS-00 (or later FAA approved revisions) is applicable to the Model 172R equipped with Garmin G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM.

FAA 批准的飞行手册 (AFM): 编号 172RPHBUS-00 (或后续修订版) 适用于装有 Garmin G1000 驾驶舱综合系统和 Garmin GFC-700 自动飞行控制系统的 172R 型飞机。该飞机必须按照相应飞行手册运行。要求的标牌内容在飞机飞行手册中。FAA Approved Airplane Flight Manual (AFM): Part Number 172RPHBUS-00 (or later FAA approved revisions) are applicable to the Model 172R equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM .

注释/NOTE 3: 保留
Reserved

注释/NOTE 4: 只有某些序列号的 172R 型飞机适宜于塞斯纳改装 KIT MK172-72-01。适用的序列号如下:

17280159	17280242	17280251	17280253	17280257
17280262	17280281	17280292	17280301	17280305
17280426	17280488	17280606	17280607	17280608
17280609	17280610	17280613	17280614	17280616
17280621	17280622	17280623	17280624	17280631
17280632	17280633	17280634	17280638	17280639
17280640	17280646	17280647	17280648	17280652
17280653	17280659	17280660	17280661	17280662
17280664	17280667	17280668	17280669	17280670
17280672	17280673	17280674	17280675	17280701
17280707				

Only certain Model 172R airplane serial numbers are eligible for modification by Cessna Modification Kit MK 172-72-01. Applicable serial numbers are as follows:

17280159	17280242	17280251	17280253	17280257
17280262	17280281	17280292	17280301	17280305
17280426	17280488	17280606	17280607	17280608
17280609	17280610	17280613	17280614	17280616
17280621	17280622	17280623	17280624	17280631
17280632	17280633	17280634	17280638	17280639
17280640	17280646	17280647	17280648	17280652
17280653	17280659	17280660	17280661	17280662
17280664	17280667	17280668	17280669	17280670
17280672	17280673	17280674	17280675	17280701
17280707				

注释/NOTE 5: 以赛斯纳飞机公司名义制造的飞机序列号如下: 17280001 至 17281622。
The following serials are manufactured under the name Cessna Aircraft Company: 17280001 thru 17281622.

注释/NOTE 6: 公司名称变更生效日期: 2015 年 7 月 29 日。以德事隆航空公司名义制造的飞机序号如下: 17281623 及其以后。
Company name change effective 7/29/15. The following serial numbers are manufactured under the name Textron Aviation Inc.: 17281623 and On.

第 3 部分/SECTION 3: 172S

I. 总则/General

- | | |
|--------------------------------------|--|
| 1. 型别/Model: | 172S |
| 2. 适航类别/Airworthiness Category: | 正常类/Normal Category aircraft
实用类航空器/Utility Category aircraft |
| 3. 型号合格证持有人/Type Certificate Holder: | Textron Aviation Inc.
One Cessna Boulevard
Wichita, Kansas 67215 |
| 4. FAA 批准日期/FAA Approved Date: | 1998.05.01/May 01,1998 |
| 5. CAAC 批准日期/CAAC Approved Date: | 2002.07.26/July 26,2002 |

II. 认可审定基础/Validation Certification Basis

CAAC的认可审定基础由FAA的审定基础和CAAC的附加技术条件组成。

The CAAC validation certification basis consists of the FAA certification basis and the CAAC additional technical conditions.

1. FAA 审定基础/FAA certification basis

FAA型号合格证数据单3A12（版本87）中172S型机适用的审定基础如下：

The applicable certification basis of FAA Type Certificate Data Sheet No. 3A12 Rev. 87 for Model 172S is as follows:

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows: FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7. FAR 23.807 and 23.1524 as amended by Amendment 23-10. FAR 23.507; 23.771; 23.853(a), (b) and (c); and 23.1365 as amended by Amendment 23-14. FAR 23.951 as amended by Amendment 23-15. FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17. FAR 23.1301 as amended by Amendment 23-20. FAR 23.1353; and 23.1559 as amended by Amendment 23-21. FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23. FAR 23.441 and 23.1549 as amended by Amendment 23-28. FAR 23.779 and 23.781 as amended by Amendment 23-33. FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34. FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amendment 23-42. FAR 23.961; 23.1093; 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43. FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44. FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45.

FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21.

以下增加的审定基础仅适用于Garmin G1000综合驾驶舱系统(ICS):

Additions for the Garmin G1000 Integrated Cockpit System (ICS) Only:

14 CFR 23.303; 23.307; 23.601; 23.1163(a); 23.1367 and 23.1381 as amended by Amendment 23- N/C. 14 CFR 23.1589 as amended by Amendment 23-13. 14 CFR 23.771(a) as amended by Amendment 23-14. 14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17. 14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20. 14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21. 14 CFR 23.603 and 23.605 as amended by Amendment 23-23. 14 CFR 23.1529 as amended by Amendment 23-26. 14 CFR 23.561(e); 23.1523; 23.1581(a)(2); and 23.1583(a), (c), (d), (f) and 23.1585(a)(b)(d) as amended by Amendment 23-34. 14 CFR 23.301 as amended by Amendment 23-42. 14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43. 14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45. 14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321 (a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329 (g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431(a)(b)(d)(e) as amended by Amendment 23-49. 14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (b)(4); 23.1553; 23.1555(a)(b); 23.1563(a) and 23.1567(a) as amended by Amendment 23-50. 14 CFR 23.777(a)(b);

23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23-51. 14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52. 14 CFR 23.901(a)(b) as amended by Amendment 23-53.

以下增加的审定基础仅适用于Garmin GFC-700自动飞行控制系统(AFCS):

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20, 14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.

以下增加的审定基础仅适用于Garmin GI 275 电子飞行仪表:

Additions for the Garmin GI 275 Electronic Flight Instrument Only:

14 CFR 23.1327 as amended by Amendment 23-20. 23.1501 as amended by Amendment 23-21. 23.1529 as amended by Amendment 23-26. 23.1523(b), 23.1581(a)(1)(2) as amended by Amendment 23-34. 23.1322, 23.1331 as amended by Amendment 23-43. 23.1525 as amended by Amendment 23-45. 23.1303(a)(b)(f), 23.1309(a)(1)(2)(b)(c)(1)(2)(iii)(3)(d)(e)(f), 23.1311(a)(b), 23.1321(a)(c)(d)(e), 23.1323(a)(c), 23.1351(a)(1)(2)(i), 23.1359(c), 23.1365(a)(d)(e), 23.1431 (a)(b) as amended by Amendment 23-49. 23.1325(a)(b)(1)(i)(ii)(iii)(2)(i), 23.1543(b)(c), 23.1545(a)(b)(1)(2)(3)(4), 23.1555(a)(b) as amended by Amendment 23-50. 23.777(a)(b) as amended by Amendment 23-51. 23.1308(a)(b)(c) as amended by Amendment 23-57. 23.1306(a)(b) as amended by Amendment 23-61. 23.2010 and 23.2510 as amended by Amendment 23-64.

增加的23部(64修正案)审定基础:

Additions for 14 CFR Part 23 Amendment 64:

14 CFR 23.2000, 23.2005, 23.2010 as amended by Amendment 23-64 (see NOTE 6, 见注释6). Effective at S/N 172S12701 and On.

以下增加的审定基础仅适用于Garmin G1000 NXi综合驾驶舱系统:

Additions for the Garmin G1000 NXi Integrated Cockpit System Only:

14 CFR 23.683, 23.867 as amended by Amendment 23-7. 23.613(a)(b) as amended by Amendment 23-45. 23.301(a), 23.337, 23.561(a)(b)(3)(e), 23.607(a)(b), 23.601 as amended by Amendment 23-48. 23.1329(b), 23.1351(g), 23.1353(h), 23.1359(a)(b), as amended by Amendment 23-49. 23.1431(c), 23.1555(e)(2), 23.1581(a)(b)(1)(3)(c)(d)(f), 23.1583(h)(m), 23.1585(j) as amended by Amendment 23-50. 23.1337(b)(c) as amended by Amendment 23-51. 23.2515, 23.2520 as amended by Amendment 23-64 (see NOTE 7, 见注释7). Effective at S/N 172S13231 and On.

等效安全:

Equivalent Safety Items:

- (1) Induction System Icing Protection FAR § 23.1093; Refer to FAA letter dated 5/1/98
- (2) Throttle Control FAR § 23.1143(g); Refer to FAA letter dated 5/1/98
- (3) Mixture Control FAR § 23.1147(b); Refer to FAA letter dated 5/1/98
- (4) Anti-Collision Light System 14 CFR § 23.1401(d); Refer to ACE-07-09, FAA letter dated 10/12/07
- (5) Aviation White Color Reqmt 14 CFR § 23.1397(c); Refer to ACE-07-10, FAA letter dated 11/29/07

172S的型号合格证修订申请日期为1997年11月13日。

172S的型号合格证No. 3A12于1998年5月1日修订。

Date of Application for Amended Type Certificate for the 172S was November 13, 1997.

Type Certificate No. 3A12 was amended May 1, 1998 for the Model 172S.

序列号: 172S8001及以上

Serial Numbers Eligible 172S8001 and On

专用条件如下:

Special Conditions as follows:

No. 23-159-SC, "Cessna Aircraft Company; Cessna Model 172S. Installation of Electronic Flight Instrument System and the Protection of the System from High Intensity Radiated Fields (HIRF)."

2. CAAC附加技术条件/CAAC Additional Technical Conditions

根据CCAR-21-R5 21.29(5), 有关适航规章、噪声规定所要求的手册、标牌、目录清单和仪表标

记，应当用中文或英文书写；下列各项应当至少有简体中文表述。

- 1) 机上所有对旅客进行的提示、警告和通知的文字标记和标牌；
- 2) 机上所有向旅客或机外营救人员指示应急出口和门的位置以及开启方法的文字标记和标牌；
- 3) 旅客可能使用的机上所有应急设备的操作、使用说明。

Per 21.29(5) of CCAR-21-R5, the manuals, placards, listings and instrument markings required by the applicable airworthiness regulations and noise requirements are presented in the Chinese or English language. The following items must be presented in Simplified Chinese at least.

- 1) All on-board placard and marking for awareness, warning, and note to the passenger;
- 2) All on-board placard and marking for opening method and location indication of the emergency exit and door to passenger and outside rescuer; and
- 3) All operational instructions for on-board emergency equipment possible operated by passengers.

III. 技术特征和运行限制 /Technical Characteristics and Operational Limitations

发动机/Engines

莱康明公司制造的 IO-360-L2A, 额定 180 马力
(CAAC VTC 编号: VTC149E, VTCDS 版本 4)
Lycoming IO-360-L2A, Rated 180 Horsepower
(CAAC VTC No. VTC149E, VTCDS Revision 4)

燃油/Fuel

最低航空汽油等级 100/100LL
100/100LL minimum grade aviation gasoline

发动机限制/Engine Limits

在所有使用情况下, 2700 转/分钟
For all operations, 2,700 RPM

螺旋桨/Propeller

(a) 麦克利型别: 1A170E/JHA7660, (CAAC 型号认可证编号 VTC0241P, VTCDS 版本 0)
(b) 桨毂: 图号 0550236
(a) McCauley Model: 1A170E/JHA7660, (CAAC Validation Type Certificate No. VTC0241P, VTCDS Revision 0)
(b) Spinner: Drawing No.0550236

螺旋桨限制/Propeller Limits

在满油门下的静态转速: 不超过 2400 转/分钟, 不低于 2300 转/分钟
直径: 不超过 76 英寸, 不低于 75 英寸
Static RPM at full throttle: Not over 2400; Not Under 2300
Diameter: Not over 76 inches, not under 75 inches

空速限制/Airspeed limits:

机动速度	105 节 (指示空速)	(102 节 (校正空速))
最大结构巡航速度	129 节 (指示空速)	(126 节 (校正空速))
不可超越速度	163 节 (指示空速)	(160 节 (校正空速))
襟翼展态速度	85 节 (指示空速)	(85 节 (校正空速))
Maneuvering	105 Knots IAS	(102 Knots CAS)
Max. Structural Cruising	129 Knots IAS	(126 Knots CAS)
Never Exceed	163 Knots IAS	(160 Knots CAS)
Flaps Extended	85 Knots IAS	(85 Knots CAS)

重心范围/CG Range:

正常类
(1) 后限 在不大于 2550 磅时, 基准之后的 47.3 英寸处

(2) 前限

在 2550 磅时, 基准之后的 41.0 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。

Normal Category

(1) Aft Limits

47.3 inches aft of datum at 2,550 pounds or less.

(2) Forward Limits

Linear variation from 41.0 inches aft of datum at 2,550 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less.

实用类

(1) 后限

在 不大于 2200 磅时, 基准之后的 40.5 英寸处

(2) 前限

在 2200 磅时, 基准之后的 37.5 英寸处; 在 1950 磅时, 基准之后的 35.0 英寸处; 在上述两者重量之间的重量时, 线性变化; 不大于 1950 磅时, 基准之后的 35.0 英寸处。

Utility Category

(1) Aft Limits

40.5 inches aft of datum at 2,200 pounds or less.

(2) Forward Limits

Linear variation from 37.5 inches aft of datum at 2,200 pounds to 35.0 inches aft of datum at 1,950 pounds; 35.0 inches aft of datum at 1,950 pounds or less.

空重重心/Empty Wt. C.G. Range:

无/None

参考基准/Reference Datum:

防火墙前表面的较低部位

Lower portion of front face of firewall

平均气动弦/MAC:

58.8 英寸; 平均气动弦前缘为基准之后的 25.9 英寸处

58.8 inches; Leading edge of MAC 25.9 inches aft of datum

水平测量措施/Leveling Means:

尾锥左侧、基准之后的 108.0 英寸和 142.0 英寸处

Left side of Tailcone at 108.0 inches and 142.0 inches aft of datum

最大重量/Maximum Weights:

正常类

最大停机坪重量

2558 磅

最大起飞及着陆重量

2550 磅

Normal Category

Maximum Ramp:

2,558 pounds

Maximum Takeoff and Landing

2,550 pounds

实用类

最大停机坪重量

2208 磅

最大起飞及着陆重量

2200 磅

Utility Category

Maximum Ramp:

2,208 pounds

Maximum Takeoff and Landing:

2,200 pounds

座位数量/No. of Seats:

4 (2 个座位在基准之后的 34.0 英寸至 46.0 英寸之间; 2 个座椅在基准之后的 73.0 英寸)

4 (2 at 34.0 to 46.0 inches aft of datum; 2 at 73.0 inches aft of datum)

最大行李重量/Maximum Baggage:

120 磅在基准之后的 82.0 至 108.0 英寸之间

50 磅在基准之后的 108.0 至 142.0 英寸之间

(行李舱位置的最大累积承重量为 120 磅)
 120 pounds at 82.0 to 108.0 inches aft of datum
 50 pounds at 108.0 to 142.0 inches aft of datum
 (Max. combined weight capacity for baggage areas is 120 pounds)

燃油容量 (加仑) /Fuel Capacity(Gal.):

总计 56 加仑, 可用燃油 53 加仑
 (两个 28 加仑的机翼油箱, 位于基准之后的 48 英寸处)
 关于不可用燃油, 见注释 1
 56 gal. Total; 53 gal. Usable
 (Two 28 gallon tanks in wings at 48 inches aft of datum)
 See NOTE 1 for data on unusable fuel.

滑油容量 (加仑) /Oil Capacity(Gal.):

8.0 加仑, 基准之前的 13.1 英寸处
 可用滑油 3.0 夸脱
 8.0 gallons at 13.1 inches forward of datum
 3.0 quarts usable

操纵面位移/Control Surface Movements:

机翼襟翼:	起飞	0° - 10°		
	着陆	0° -30° +0° /-2°		
副翼:	向上	20° ±1°	向下	15° ±1°
升降舵调整片:	向上	22° +1° /-0°	向下	19° +1° /-0°
升降舵:	向上	28° +1° /-0°	向下	23° +1° /-0°

(中立位置为升降舵平衡区底面与水平安定面齐平的位置)
 方向舵 (测量平行于水线): 向右 16° 10' ±1° 向左 16° 10' ±1°
 方向舵 (测量垂直于铰链线): 向右 17° 44' ±1° 向左 17° 44' ±1°

Wing Flaps:	Takeoff	0° -10°		
	Landing	0° -30° +0° /-2°		
Ailerons:	Up	20° ±1°	Down	15° ±1°
Elevator Tab:	Up	22° +1° /-0°	Down	19° +1° /-0°
Elevator:	Up	28° +1° /-0°	Down	23° +1° /-0°

(Neutral position is with bottom of balance area flush with bottom of stabilizer)
 Rudder (Measured parallel to W.L.): Right: 16° 10' ±1° Left: 16° 10' ±1°
 Rudder (Measured perpendicular to Hinge): Right: 17° 44' ±1° Left: 17° 44' ±1°

制造人序列号/Serial Numbers Eligible:

172S8001 及其以后
 172S8001 and On

生产依据/Production Basis:

生产许可证编号 PC-4 颁发于 1998 年 8 月 27 日, 适用于序列号 172S8003 及其以后的飞机。没有列出序列号的飞机是基于 TC only 生产的。根据美国联邦航空条例 21 部, 塞斯纳可以根据委任选择授权 (NO.CE-1) 的委任规定颁发适航证书。

Production Certification No. PC-4 issued August 27, 1998. Applies to airplane serial numbers 172S8003 and on. Airplane serial numbers not listed were produced under Type Certificate only. Cessna is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

设备/Equipment:

适用的适航条例 (见认可审定基础) 规定的必要的设备必须安装在飞机上供适航

审定

The basic required equipment as prescribed in the applicable airworthiness regulation (see Validation Certification Basis) must be installed in the airplane for certification.

IV.经批准的中文标记标牌/ The Approved Chinese Placards

序号 Code	标题 Title	编号 Number	版本 Rev.
1	CHINESE MARKINGS – MODEL 172S	PR-172- 004	- 含后续经批准的版本。 Including the subsequent approved version(s).

V. 注释/NOTES

注释/NOTE 1: 重量和平衡:
Weight and Balance:

制造人序列号: 172S8001 和及其之后的

审定空重及其相应的重心位置必须包括不可用燃油 18 磅在基准之后的 46.0 英寸处) 和全部滑油 15.0 磅在基准之前的 13.1 英寸处。

Serial Nos. 172S8001 and On

The certificated empty weight and corresponding center of gravity location must include unusable fuel of 18 pounds at 46.0 inches aft of datum, and full oil of 15.0 pounds at 13.1 inches forward of datum.

注释/NOTE 2: 驾驶员操作手册和 FAA 批准的飞机飞行手册(POH/AFM): 编号 172S PHUS-00(或 FAA 后续批准的修订)适用于 172S 型飞机。172S 型飞机必须依照相应的驾驶员操作手册和 FAA 批准的飞机飞行手册(POH/AFM)运行。所有 FAA 要求的包含在驾驶员操作手册和 FAA 批准的飞机飞行手册(POH/AFM) 第二章、适用的运行规则或审定基础中的标牌必须按照飞机组件 0500531 零部件清单的规定安装。(标牌参考德事隆航空图解零件目录 (IPC)。IPC 与受检飞机发现的任何差异都需使用前述的零部件清单协调一致。)

Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): part number 172SPHUS-00 (or later FAA approved revision) is applicable to the Model 172S. The airplane must be operated according to the appropriate POH/AFM. All FAA required placards are included in Section 2 of the POH/AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 0500531, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA 批准的飞行手册(AFM): 编号 172SPHAUS-00(或后续修订版)适用于装有 Garmin G1000 驾驶舱综合系统的 172S 型飞机。该飞机必须依照相应飞行手册运行。飞机飞行手册, 适用的运行规则或审定基础中要求的标牌必须按照飞机组件 0500531 零部件清单的规定安装。(标牌参考德事隆航空图解零件目录 (IPC)。IPC 与受检飞机发现的任何差异都需使用前述的零部件清单协调一致。)

FAA Approved Airplane Flight Manual(AFM): Part Number 172SPHAUS-00 (or later FAA approved revisions) is applicable to Model 172S equipped with Garmin G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 0500531, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under

inspection need to be reconciled using the previously stated parts list).

FAA 批准的飞行手册 (AFM): 编号 172SPHBUS-00(或后续修订版)适用于装有 Garmin G1000 驾驶舱综合系统和 Garmin GFC-700 自动飞行控制系统的 172S 型飞机。该飞机必须依照相应飞行手册运行。飞机飞行手册, 适用的运行规则或审定基础中要求的标牌必须按照飞机组件 0500531 零部件清单的规定安装。(标牌参考德事隆航空图解零件目录 (IPC)。IPC 与受检飞机发现的任何差异都需使用前述的零部件清单协调一致。)

FAA Approved Airplane Flight Manual (AFM): Part Number 172SPHBUS-00 (or later FAA approved revisions) are applicable to the Model 172S equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 0500531, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA 批准的飞行手册 (AFM): 编号 172SPHCUS-00(或后续修订版)适用于装有 Garmin G1000 NXi 驾驶舱综合系统的 172S 型飞机。该飞机必须依照相应飞行手册运行。飞机飞行手册, 适用的运行规则或审定基础中要求的标牌必须按照飞机组件 0500531 零部件清单的规定安装。(标牌参考德事隆航空图解零件目录 (IPC)。IPC 与受检飞机发现的任何差异都需使用前述的零部件清单协调一致。)

FAA Approved Airplane Flight Manual (AFM): P/N 172SPHCUS-00, or later FAA approved revision, are applicable to the Model 172S equipped with Garmin G1000 NXi Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 0500531, Airplane Assembly (useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

注释/NOTE 3: 保留
Reserved.

注释/NOTE 4: 以赛斯纳飞机公司名义制造的飞机序列号如下: 172S8001 至 172S11614。
The following serials are manufactured under the name Cessna Aircraft Company: 172S8001 thru 172S11614.

注释/NOTE 5: 公司名称变更生效日期: 2015 年 7 月 29 日。以德事隆航空公司名义制造的飞机序号如下: 172S11615 架起。
Company name change effective 7/29/15. The following serials are manufactured under the name Textron Aviation Inc.: 172S11615 and On.

注释/NOTE 6: 条款 23.2005 审定等级和性能等级: 2 级, 低速。
14 CFR 23.2005 Certification Level and Performance Level: Level 2, Low Speed.

注释/NOTE 7: 条款 23.2515 [23-64] 和 23.2520 [23-64] 的符合性方法是 FAA 政策 PS-ACE-23-10。
The Means of Compliance for 23.2515 [23-64] and 23.2520 [23-64] is FAA Policy PS-ACE-23-10.

第 4 部分：管理信息/SECTION 4: ADMINISTRATIVE INFORMATION

I.型号认可证持有人记录/ Validation of Type Certificate Holder Record

(1) 1998年4月27日，CAAC向Cessna Aircraft Company颁发型号认可证VTC0130A。

VTC0130A was issued to Cessna Aircraft Company by CAAC on Apr. 27th, 1998.

(2) 2019年4月2日，型号认可证持有人Cessna Aircraft Company变更为Textron Aviation Inc.。

Validation of type certificate holder was changed from Cessna Aircraft Company to Textron Aviation Inc. On Apr. 2nd, 2019.

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