

型号认可证数据单  
THE VALIDATION DATA SHEET

编号/No.: VTC0353P

版次/Revision: 1

型号/Type: 4HFR34C

型别/Model:

4HFR34C778

4HFR34C779

4HFR34C780

批准人/Approved by:



职务/Title: Deputy Director General

日期/Date: 2026-09-18

本数据单是型号认可证（编号：VTC0353P）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: VTC0353P), 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:

McCauley Propeller Systems

One Cessna Boulevard

Po Box 7704

Wichita, KS 67277

## 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

|               |                                                                                        |                                                                                             |
|---------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|               | 中国民用航空局认可数据单号、版次和颁发日期<br>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<br>Current | No.VTC0353P, 版次 1, 2026 年 9 月 18 日<br>No.VTC0353P, Revision 1 ; September 18, 2026     | FAA TCDS No.P3NE,第 18 版,2023 年 2 月 24 日<br>FAA TCDS No.P3NE, Revision 18, February.24, 2023 |
| 历史<br>History | No.VTC0353P, 版次 0, 2018 年 10 月 15 日;<br>No.VTC0353P, Revision 0, October. 15, 2018     | FAA TCDS No.P3NE,第 14 版,2015 年 8 月 31 日<br>FAA TCDS No.P3NE, Revision 14, Aug. 31, 2015     |

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

## CAAC 认可数据单修订情况说明 / CAAC VTCDS Change Record

| CAAC 认可数据单版次/<br>CAAC VTCDS Revision | 相对上一版次的修订情况/<br>CAAC VTCDS Change Record                                 | 备注<br>Remark |
|--------------------------------------|--------------------------------------------------------------------------|--------------|
| 版次 1/Rev 1                           | 1. 增加了4HFR34C779和4HFR34C780型别<br>1. Add 4HFR34C779 and 4HFR34C780 models |              |

2. 类别/Category: 螺旋桨/Propeller
3. 认可当局/Validation Authority: 中国民用航空局/CAAC  
审定当局/Certifying Authority: 美国联邦航空局/FAA
4. 型号合格证持有人/Type Certificate Holder: McCauley Propeller Systems  
One Cessna Boulevard  
Po Box 7704  
Wichita, KS 67277
5. ETOPS: 不适用/NA
6. CAAC 专用要求/Special Requirements: 无/NONE

## 第 2 部分

## SECTION 2

## 型号/Type

|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| 型号/ Type            | 恒速, 全顺桨和反桨, 液压型(见注4)/ Constant speed; full feathering and reversing; hydraulic (see NOTE 4) |
| 发动机轴/Engine Shaft   | 特殊法兰(见注1) /Special flange(see NOTE 1)                                                       |
| 桨毂材料/Hub Material   | 铝合金/ Aluminum Alloy                                                                         |
| 桨叶材料/Blade Material | 铝合金/Aluminum Alloy                                                                          |
| 桨叶数量/ No. of Blades | 4片/Four                                                                                     |
| 桨毂型别/Hub Models     | 4HFR34C778, 4HFR34C779, 4HFR34C780                                                          |

| 桨叶<br>Blades              | 最大连续<br>Maximum<br>Continuous |      | 起飞<br>Take-Off |      | 直径限制<br>(见注2)<br>Diameter Limits<br>(See Note 2) | 近似最大全重, (仅用于<br>参考)<br>Approx. Max.<br>Wt. Complete (For Ref.<br>Only) |
|---------------------------|-------------------------------|------|----------------|------|--------------------------------------------------|------------------------------------------------------------------------|
|                           | HP                            | RPM  | HP             | RPM  |                                                  |                                                                        |
| 桨毂型别/Hub Model 4HFR34C778 |                               |      |                |      |                                                  |                                                                        |
| 102BH[X]-0至-4             | 867                           | 2000 | 867            | 2000 | 102"- 98"                                        | 142lbs.                                                                |
| 桨毂型别/Hub Model 4HFR34C779 |                               |      |                |      |                                                  |                                                                        |
| 110FD[X]-0至-4             | 1110                          | 1700 | 1110           | 1700 | 110"- 106"                                       | 180 lbs.                                                               |
| 桨毂型别/Hub Model 4HFR34C780 |                               |      |                |      |                                                  |                                                                        |
| 105ST[X]-0至-4             | 1050                          | 1700 | 1050           | 1700 | 105"- 101"                                       | 173 lbs.                                                               |

## 审定基础/ CERTIFICATION BASIS

| 螺旋桨<br>Propeller | 审定基础<br>Certification Basis                                                                                                                                                    | 批准方式<br>Method of<br>Approval                                  | 申请日期<br>Application Data             | 批准日期<br>Approval Date              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------|------------------------------------|
| 4HFR34C778       | 14CFR35 部, 35-1 至 35-5 修正案 (1980 年 10 月 14 日), 除在 35-8 修正案修正的 35.39, 以及在 35-8 修正案修正的用于代替 35-3 修正案中 35.41 的 35.40。<br><br>14 CFR Part 35, Amdt 35-1 to 35-5 (October 14, 1980), | ODA 的 14 CFR 183 部 D 章<br>ODA under 14 CFR Part 183, Subpart D | 2013 年 10 月 31 日<br>October 31, 2013 | 2015 年 8 月 31 日<br>August 31, 2015 |

|            |                                                                                                                                                                                                                                             |                                                            |                            |                                |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------|--------------------------------|
|            | except 35.39 as amended at 35-8, and 35.40 as amended at 35-8 in lieu of 35.41 as amended at 35-3.                                                                                                                                          |                                                            |                            |                                |
| 4HFR34C779 | 14 CFR35部, 35-1至35-6修正案, 除在35-8修正案修正的 35.39和35.42, 以及在35-8修正案修正的用于代替35-3修正案中35.41的35.40。<br>14 CFR Part 35, Amdt 35-1 to 35-6, except 35.39 and 35.42 as amended at 35-8, and 35.40 as amended at 35-8 in lieu of 35.41 as amended at 35-3. | ODA的 14 CFR 183部D章<br>ODA under 14 CFR Part 183, Subpart D | 2018年5月18日<br>May 18, 2018 | 2020年8月6日<br>August 6, 2020    |
| HFR34C780  | 14 CFR35部, 35-1至35-6修正案, 除在35-8修正案修正的 35.39和35.42, 以及在35-8修正案修正的用于代替35-3修正案中35.41的35.40。<br>14 CFR Part 35, Amdt 35-1 to 35-6, except 35.39 and 35.42 as amended at 35-8, and 35.40 as amended at 35-8 in lieu of 35.41 as amended at 35-3. | ODA的 14 CFR 183部D章<br>ODA under 14 CFR Part 183, Subpart D | 2021年5月18日<br>May 18, 2021 | 2023年1月23日<br>January 23, 2023 |

**CAAC 认可审定基础**

接受 FAA 的审定基础作为认可审定基础。

**CAAC VALIDATION BASIS**

Accept FAA certification basis as validation basis.

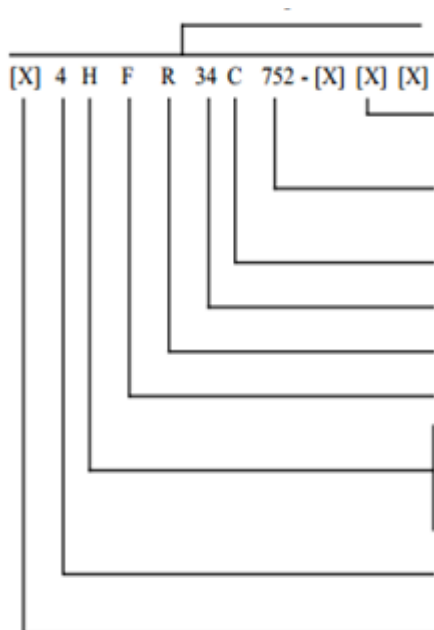
**生产依据**

生产许可证 3 号/ Production Certificate No.3

**PRODUCTION BASIS**

## 注释/NOTES

注1/NOTE 1

桨毂型别标识/Hub Model Designation

基本型别标识

影响适用性和互换性的字母。

影响部件适用性和可互换性的特殊设计和重大变更的数字编号

螺旋桨型号-C型，恒速。

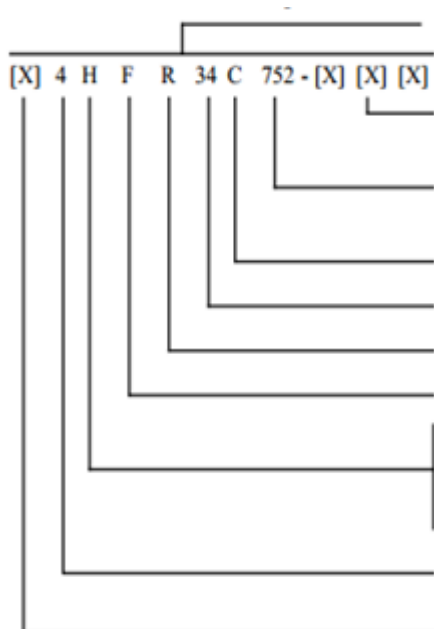
McCauley桨叶柄尺寸。

出现时表示反向螺距能力。

螺旋桨型号-F型，全顺桨。

H表示特殊法兰盘—圆形分布4个1/4英寸的螺栓，8个9/16英寸的双头螺栓以及2个或4个1/2英寸定位销。J表示特殊法兰盘—圆形分布5个1/8英寸的螺栓，12个9/16英寸的双头螺栓以及2个5/8英寸定位销。

叶片数量。

表示相对于1号叶片槽中心线的定位销位置，从法兰安装面观察桨毂。空-0，90,180，和270度顺时针方向。

Basic Model Designation

Letters denoting changes that may affect eligibility or interchangeability.

Numerals defining specific design and major change affecting eligibility or interchangeability of parts.

Type of propeller – C, constant speed.

McCauley blade shank size.

When present, indicates reverse pitch capability.

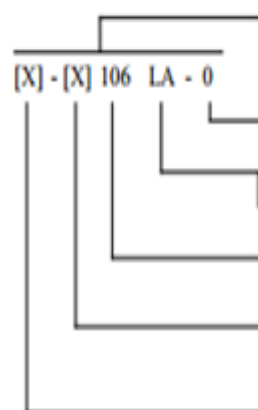
Type of propeller – F, full-feathering.

H denotes special flange – 4-1/4” bolt circle with eight 9/16” studs and two or four 1/2” dowels. J denotes special flange – 5-1/8” bolt circle with twelve 9/16” studs and two 5/8” dowels.

Number of blades.

Indicates dowel location with respect to centerline of No.1 blade socket, viewing hub from flange mounting face. Blank -0,90,180, and 270 degrees clockwise.

## 注2/NOTE 2 桨叶型别标识/Blade Model Designation.



桨叶型别标识

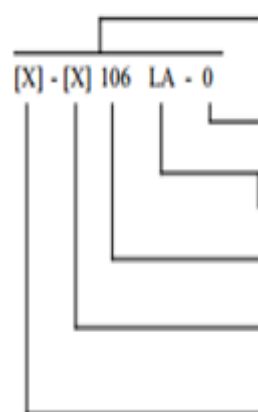
从基准值+或-, 英寸。

叶片设计的特点 (平面形态等)。后缀X表示用于驱动销钉附件的叶片对接尺寸。

叶片设计直径, 英寸。

字母指定旋转方向; 没有字母 (空白) 表示顺时针 (从下游看), L表示逆时针方向。

字母指不影响适用性或可互换性的小改。



Basic Model Designation

Change in diameter from basic, + or -, in inches.

Characteristics of blade design (planform, etc.). Suffix [X] indicates blade butt staking dimensions for actuating pin attachment.

Blade design diameter in inches.

Letter designating direction of rotation; no letter (blank) indicates clockwise (viewed from downstream), L indicates counter-clockwise.

Letter designating minor change not affecting eligibility or interchangeability.

## 注3/NOTE 3 不适用/Not applicable.

## 注4/NOTE 4. 顺桨: 当安装了适当的顺桨/非顺桨控制器时, 所有型别螺旋桨都具有顺桨/非顺桨特性。

Feathering. All propeller models are approved for feathering and unfeathering capability when installed with appropriate feather/unfeathering controls.

反桨: 所有型别螺旋桨都被批准安装有适当的反向控制装置。

Reversing. All propeller models are approved for installation with appropriate reversing controls.

## 注5/NOTE 5 左转向型别: 左转向和右转向型别在同一级别和直径条件下批准。

Left Hand Models. The left hand version of an approved model propeller is approved at the same rating and diameter limitations as listed for the right hand model.

## 注6/NOTE 6 不适用/Not applicable.

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 注7/NOTE 7   | <p>附件：螺旋桨设计中未包括的附件：<br/> <u>Accessories</u>. Substantiated accessories not included in propeller type design:</p> <p>a. 螺旋桨防冰/ Propeller Anti-icing<br/> 4HFR34C778/102BH[X]型使用的件号为P/N B-40245-56的McCauley除冰装置，参见McCauley图纸E-5550，或者件号为P/N C-40323-83的McCauley防冰套，参见McCauley图纸E-5550。<br/> Model 4HFR34C778/102BH[X] with McCauley deicer, P/N B-40245-56, reference McCauley drawing E-5550 or McCauley anti-ice feed shoe, P/N C-40323-83, reference McCauley drawing E-5550.</p> <p>4HFR34C779/110FD[X]型使用的件号为P/N B-40183-22的McCauley除冰装置，参见McCauley图纸C-8180。<br/> Model 4HFR34C779/110FD[X] is eligible with McCauley deicer, P/N B-40183-22, reference McCauley drawing C-8180.</p> <p>4HFR34C780/105ST[X] 型使用的件号为P/N B-40183-22 和 / 或 B-40245-54 的 McCauley除冰装置，参见McCauley图纸C-8180。<br/> Model 4HFR34C780/105ST[X] is eligible with McCauley deicer, P/N B-40183-22 (and / or) B-40245-54, reference McCauley drawing C-8180.</p> <p>b. 螺旋桨整流罩/Propeller Spinner<br/> 4HFR34C778/102BH[X]型使用的整流罩，参见McCauley图纸E-8107。<br/> Model 4HFR34C778/102BH[X] with spinner, reference McCauley drawing E-8107.</p> <p>4HFR34C779/110FD[X]型使用的整流罩，参见McCauley图纸E-8184。<br/> Model 4HFR34C779/110FD [X] with spinner, reference McCauley drawing E-8184.</p> <p>4HFR34C780/105ST[X]型使用的整流罩，参见McCauley图纸E-8290。<br/> Model 4HFR34C780/105ST [X] with spinner, reference McCauley drawing E-8290</p> |
| 注8/NOTE 8   | 不适用/Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 注9/NOTE 9   | <u>保留</u><br><u>Reserved</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 注10/NOTE 10 | <p><u>特别提示</u>：装机说明必须满足飞机适航要求并且作为飞机型号合格审定的一部分得到批准。<br/> <u>Special Notes</u>. Aircraft installation must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 注11/NOTE 11 | <u>保留</u><br><u>Reserved</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### 第3部分 管理信息

#### Section 3 ADMINISTRATIVE INFORMATION

##### 1. 型号认证持有人记录/ Validation of Type Certificate Holder Record

| 序号<br>/No. | 时间/Time                                   | 持证人名称/Name of Validation of Type Certificate Holder |
|------------|-------------------------------------------|-----------------------------------------------------|
| 1          | 2018年10月15日之后/<br>After October. 15, 2018 | 麦考利螺旋桨系统/ McCauley Propeller Systems                |

----完----  
----END----