

型号认可证数据单

TYPE VALIDATION CERTIFICATE DATA SHEET

编号/No: VTC0270P

版次/Revision: 1

型号/Type:

Hartzell 系列螺旋桨

HC-B3TN-3/T10178(C) HC-B3TN-3/T10282+4

批准人/Approved By:

日期/Date: 2011-2-15

本数据单是型号认可证(编号: VTC0270P)的组成部分, 它规定了符合中国民用航空总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: VTC0270P), 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:

Hartzell Propeller Inc

Piqua, OH 45356 U.S.A

有效页清单/List of effective pages :

页数/ Pages	1	2	3	4	5	6									
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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 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	编号: VTC0270P; 版次: 1; 颁发日期: 2011年2月15日 No. VTC0270P; Revision 1; Date of Issue: 2011-02-15	编号: P15EA; 版次: 23; 颁发日期: 2008年1月4日 No. P15EA; Revision: 23; Date of Issue: 2008-1-4
历史 History	编号: VTC0196P; 版次: 0; 颁发日期: 2007年10月9日 No. VTC0196P; Revision 0; Date of Issue: 2007-10-09	编号: P15EA; 版次: 22; 颁发日期: 2006年12月19日 No. P15EA; Revision: 22; Date of Issue: 2006-12-19

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: Hartzell Propeller Inc

Address: Piqua, OH 45356 U.S.A

5. 制造/Manufacturer: Hartzell Propeller Inc

6. ETOPS: 不适用/NA

7. CAAC专用要求/CAAC Special Requirements: 无/NONE

第2部分/Section 2

A. 审定基础/Certification Basis

1. 适航标准/Airworthiness Standards:

1956年12月15日生效的民用航空规章第14部第14-1修正案;

Civil Air Regulations Part 14 effective December 15, 1956 with amendment 14-1 thereto.

型号合格证编号: P15EA于1964年2月7日颁发, 申请日期为1964年1月29日。

Type Certificate no. P15EA issued February 7, 1964

Date of application for Type Certificate: January 29, 1964.

下述型别被添加, 升级或修订至14CFR 第35部35-1到35-6修正案, 生效于1990年8月1日: HC-B3TN-3

The following models were added, updated or revised in accordance with 14 CFR Part 35 with amendment 35-1 through 35-6 effective August 1, 1990: HC-B3TN-3

2. 专用条件/Special Conditions (SC): 无/none

3. 等效安全项目/Equivalent Safety Findings (ESF): 无/none

4. 偏离/Deviations: 无/none

5. 环境标准/Environmental Standards: 无/none

6. 生产基础/Production Basis: 生产许可证第10号。/ Production Certificate no.10.

B. 技术特性/Technical Characteristics

类型/Type: 恒速型; 液压 (见注3和4) / Constant speed; hydraulic (see Notes 3 and 4)

发动机轴/Engine Shaft: 专用安装 (见注1) /Special flange (see Note 1)

桨毂材料/ Hub material: 合金钢/Alloy Steel

桨叶材料/Blade material: 见下/See below

桨叶数/Number of blades: 三个/Three

毂型号/Hub models: HC-B3TN-3

桨叶/Blades (见注2/See Note 2)	最大连续/ Maximum Continuous 马力 转数 HP RPM		起飞/Takeoff 马力 转数 HP RPM		直径限制/Diameter Limits (见注2/ See Note 2)	最大全重/Approx. Max. Wt. Complete (供参考/For Reference Only) (见注3和7/See Notes 3 and 7)	桨叶结构/ Blade Construction
T10178()-0至 T10178()-21 T10178()-0 to T10178()-21	750 850	2200 2000	800 1000	2200 2000	101.375英寸至80.375 英寸 (-0至-21) 101.375" to 80.375" (-0 to -21)	112.5磅 112.5 lb	铝合金 Aluminum Alloy
T10282()+6至 T10282()+4 T10282()+6 to T10282()+4	725 600	1591 2000	776 600	1591 2000	108英寸至106英寸 (+6至+4) 108" to 106" (+6 to +4)	113磅 113 lb	铝合金 Aluminum Alloy
T10282()+4至 T10282()-0 T10282()+4 to	750 600	2200 2000	750 600	2200 2000	106英寸至102英寸 (+4至-0) 106" to 102"	113磅 113 lb	铝合金 Aluminum Alloy

注1/NOTE 1: 桨毂型号标识/Hub Model Designation

HC-B3TN-3

HC: 哈策尔公司管理产品/Hartzell Controllable

B: 基本设计/Identifies basic design

3: 桨叶数/Number of blades

T: 哈策尔桨叶柄尺寸/Hartzell blade shank size

N: 安装边有8个9/16英寸螺栓和4 1/4英寸螺栓孔上的2个销子/F denotes special flange with 8-9/16" bolts and 2 dowels on a 4 1/4" bolt circle

-3: 指特定的设计特性, 外部beta反馈机制/ Denotes specific design features, external beta feedback mechanism

注2/NOTE 2: 叶片型号标识, 见注5和注6/Blade Model Designation (see Notes 5 and 6)

T: 叶柄上带有滚针轴承安装/Denotes needle bearing installation in blade shank

101: 以英寸为单位的基本直径/Basic diameter in inches

78: 基本叶片型号/ Basic blade model

(C): 尺寸更改/C denotes a dimensional modification

注3/NOTE 3: 桨距控制/ Pitch Control

(a) 所有型别均使用配重叶片, 并利用调节器滑油减小桨距/All models have counterweighted blades and use governor oil to decrease pitch

(b) 所有调节器和螺旋桨控制系统必须作为航空器安装的一部分被批准, 无论由谁生产/All governor and propeller control systems must be approved as part of the aircraft installation regardless manufacture

(c) 所有型别的最大控制压力为500psig /Maximum control pressure for all models: 500psig

注4/NOTE 4: 顺桨/feathering

(a) “-2”、“-3”“-5”和“-7”型具备顺桨和非顺桨特性/ The -2, -3, -5 and -7 models incorporate feathering and unfeathering features.

(b) “-3”“-5”和“-7”型作为反桨螺旋桨和反桨控制安装构型被批准/ The -3, -5 and -7 models are approved for installation as reversing propellers with reversing controls.

(c) “-2”型不具备反桨功能/The -2 models do not reverse.

注5/NOTE 5: 左向型号/ Left-Hand Models

左向型号螺旋桨型号的批准版本与右向型号所列的级别和直径相同。(见注1和2) / The left-hand version of an approved propeller model is approved at the same rating and diameter as listed for the right-hand model. See Notes 1 and 2.

注6/NOTE 6: 互换性/ Interchangeability

(a) 基本型别中带有后缀“N”的叶片可以被不带有后缀“N”的叶片单独或整套替换。同样, 基本型别中带有后缀“S”的叶片可以被不带有后缀“S”的叶片单独或整套替换。当飞机型号合格证或补充型号合格证指定叶片带有“N”或“S”后缀时, 那些特征必须在所有的替换叶片中被保留/Blades with the suffix “N” in the basic model number may replace those without an “N” either individually or as a set. Likewise, blades with the suffix “S” in the basic model number may replace those without an “S” either individually or as a set. When the aircraft Type Certificate or Supplemental Type Certificate specifies blades with the letters “N” or “S” in the basic model number, those characters must be retained in all replacement blade models.

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(b) 相同型别命名的硬质合金和软质合金叶片可以互换/Hard and soft alloy blades of the same model designation are interchangeable.

(c) 防冰系统零件的互换性参见Hartzell服务信函HC-SL-30-260/Refer to Hartzell Service Letter HC-SL-30-260 for ice protection system component interchangeability.

注7/NOTE 7: 附件/ Accessories

(a) 螺旋桨防冰系统（防冰系统设备额外的重量）/ Propeller ice protection system (weight of ice protection equipment extra)

(1) 本数据单上列出的螺旋桨型别可批准使用Hartzell手册159的或其它螺旋桨型号设计数据上列出的螺旋桨防冰设备/Propeller models listed in this data sheet are approved for use with propeller ice protection equipment listed in Hartzell Manual 159 or in other Hartzell type design data.

(2) 所有的螺旋桨防冰设备必须作为航空器安装的一部分被批准，无论由谁生产（见注10）/All propeller ice protection equipment must be approved as part of the aircraft installation regardless of manufacture (see Note 10).

(b) 螺旋桨桨帽（桨帽额外重量）/Propeller spinner (weight of spinner extra)

(1) 当在螺旋桨型号设计数据中列出时，Hartzell和其它制造商供应的桨帽得到批准/Approved with Hartzell and other manufactures' spinners when listed on Hartzell type design data.

(2) 所有的螺旋桨桨帽必须作为航空器安装的一部分被批准，无论由谁生产（见注10）/All propeller spinners must be approved as part of the aircraft installation regardless of manufacture (see Note 10).

注8/NOTE 8: 整流罩/Shank Fairings

不适用/Not applicable

注9/NOTE 9: 特别限制/Special limits

不适用/Not applicable

注10/NOTE 10:

螺旋桨安装必须作为航空器型号合格证的一部分被批准，以表明对适用的航空器适航规章的符合性/The propeller installation must be approved as part of the aircraft type certificate to demonstrate compliance with the applicable aircraft airworthiness standards.

本数据单上列出的螺旋桨型别包括基本桨毂和叶片型别。大多数螺旋桨型别包括额外的特性，这表示较小的设计更改和特别特征（如注1和注2中所解释）。特定的螺旋桨安装型别可参见航空器型号合格证数据单/Propeller models listed herein consist of basic hub and blade models. Most propeller models include additional characters to denote minor changes and specific features as explained in Notes 1 and 2. Refer to the aircraft Type Certificate Data Sheet for the specific propeller model applicable to the installation.

注11/NOTE 11: 报废时间/Retirement Time

(a) 寿命限制和强制检查。适用的适航限制在Hartzell维修手册118()和服务信函61()中给出/Life limits and mandatory inspections. Airworthiness limitations, if any, are specified in Hartzell Maintenance Manual 118() or Service Letter 61().

注12/NOTE 12: 特别说明/Special Notes

(a) 超转和超扭限制参见Hart手册202()/Refer to Hartzell Manual no.202() for overspeed and overtorque limits.

(b) 大修间隔参见Hartzell服务信函HC-SL-61-61()/Refer to Hartzell Service Letter HC-SL-61-61() for overhaul periods.

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结束
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