

中国民用航空总局
CIVIL AVIATION ADMINISTRATION OF CHINA

张处:

郭允龙让我转交您。

路 3.19

编号/No.: VTC 0184P

修订/Rev.: 0

型号/Type: PHC-G3YF-1RF

批准人/ Approved By:

日期/Date: 2007-03-

型号认可证数据单编号: VTC
Validation Type Certificate Data Sheet No. VTC

本数据单是型号认可证(编号: VTC)的一部分,它规定了一些条件和限制,在此条件和限制下,获得本型号认可证的产品满足下述“认可审定基础”段落给出的适航要求。

This data sheet which is a part of Validation Type Certificate (No. VTC) prescribes conditions and limitations under which the product for which the Validation Type Certificate was issued meets the airworthiness requirements indicated in “Validation Basis” paragraph.

型号合格证持有人: Hartzell 螺旋桨股份有限公司
Piqua, OH 45356
美国

Type Certificate Holder: Hartzell Propeller Inc.
Piqua, OH 45356
USA

美国FAA 螺旋桨型号合格证No. P55GL, 数据单第11版, 批准日期: 2005年07月14日,

Type Certificate No.P55GL, Data Sheet Revision 11, Approved by FAA on 14 July., 2005

PHC-G3YF-1 型螺旋桨, FAA于2005年07月14日批准, CAAC于2007年 月 日认可
Model PHC-G3YF-1 Propeller Approved July 14, 2005 by FAA , Validated *** by CAAC**

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Revision	0	0	0	0	0	0	0

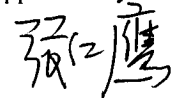
中 国 民 用 航 空 总 局
CIVIL AVIATION ADMINISTRATION OF CHINA

编号/No.: VTC0184P

修订/Rev.: 0

型号/Type: PHC-G3YF-1RF

批准人/ Approved By:



日期/Date: 2007-04-03

型号认可证数据单编号: VTC0184P
Validation Type Certificate Data Sheet No. VTC0184P

本数据单是型号认可证（编号：VTC0184P）的一部分，它规定了一些条件和限制，在此条件和限制下，获得本型号认可证的产品满足下述“认可审定基础”段落给出的适航要求。

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PHC-G3YF-1RF 型螺旋桨，FAA于2005年07月14日批准，CAAC于2007年04月03日认可
Model PHC-G3YF-1RF Propeller Approved July 14, 2005 by FAA , Validated April 3, 2007 by CAAC

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Revision	0	0	0	0	0	0	0

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Piqua, OH 45356
美国
Holder of Type Certificate Hartzell Propeller Inc.
Piqua, OH 45356
USA
螺旋桨型式: 恒速、液压 (见注3、注4)
Propeller type Constant speed; ,hydraulic(See NOTE 3 and 4)
发动机轴: 特种法兰盘 (见注1)
Engine shaft Special flange(See NOTE 1)
桨毂材料: 铝合金
Hub material Aluminum alloy
桨叶材料: 铝合金
Blade material Aluminum alloy
桨叶数目: 3
Number of blades 3
桨毂型别: PHC-G3YF-1
hub models PHC-G3YF-1

桨叶 (见注2)	最大连续功率 (马力)	起飞功率 (转速/分钟)	螺旋桨直径 (见注2)	估计的最大总重 (仅供参考) (见注3、注7)
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非配重式螺旋桨 PHC-G3YF-1

7693-0~7693-10	350	2700	350	2700	78" -- 68"	74.0磅
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Blades (See NOTE 2)	Max. continuous power (HP)	(RPM)	Take-off power (HP)	(RPM)	Propeller diameter (See NOTE 2)	Approx. Max. Wt Complete (For Reference Only) (See NOTE 3and 7)
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Non-Counterweighted Propellers PHC-G3YF-1

7693-0~7693-10	350	2700	350	2700	78"-- 68"	74.0lb
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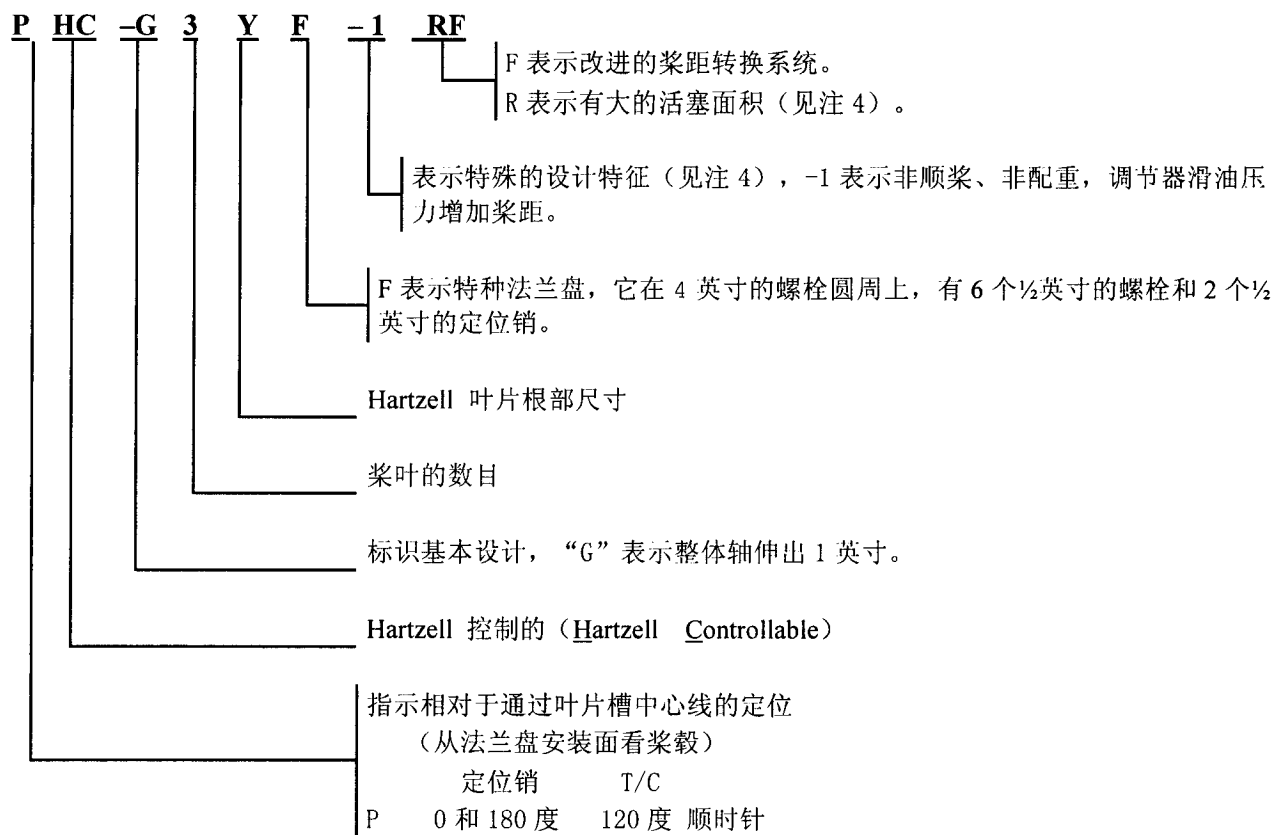
认可审定基础: CCAR 35部 (1987年12月17日)

Validation Certification Basis: CCAR 35 (December 17, 1987)

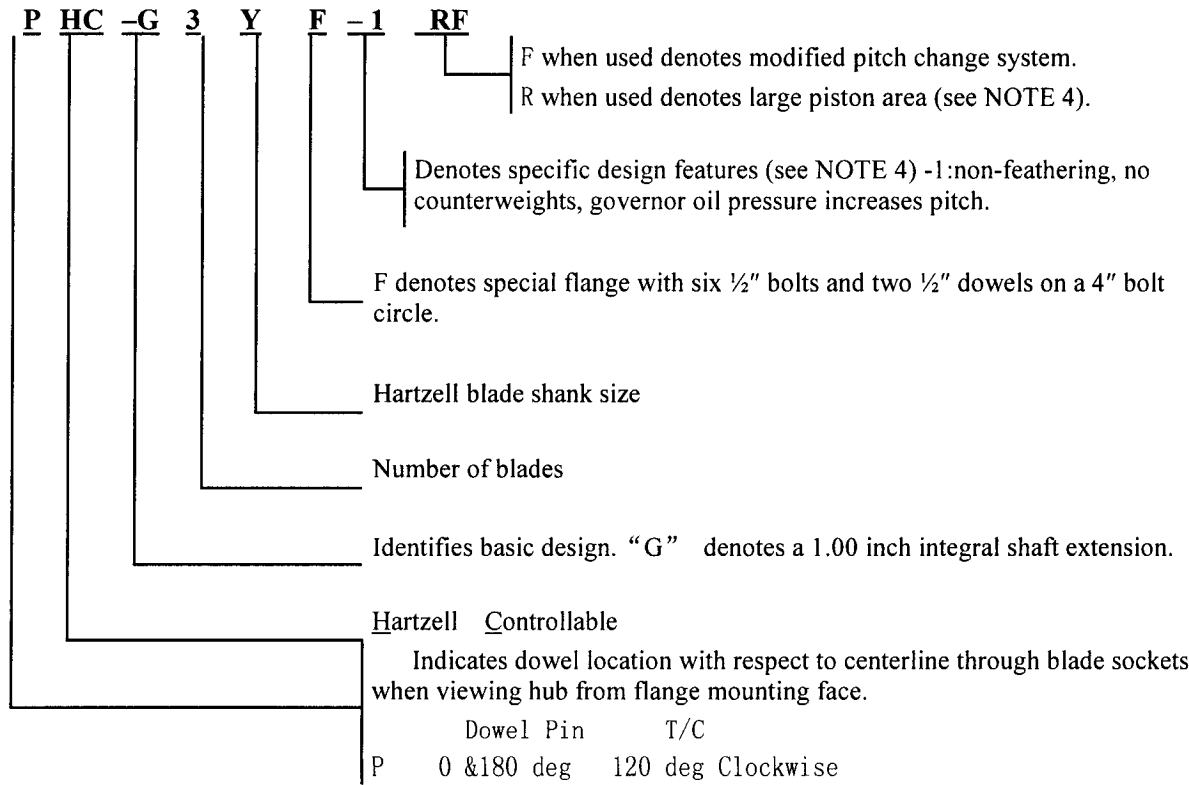
生产许可证: № 10

Production Certificate № 10

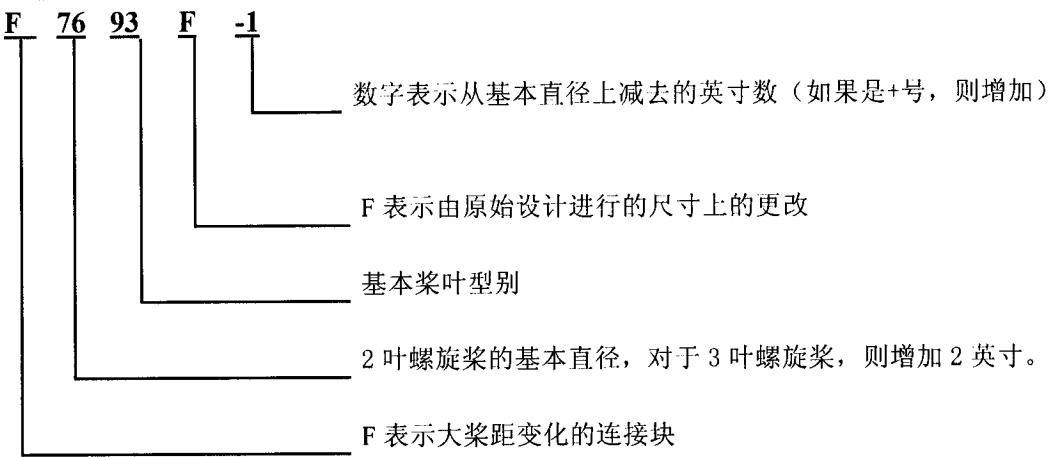
注 1 桨毂型别名称



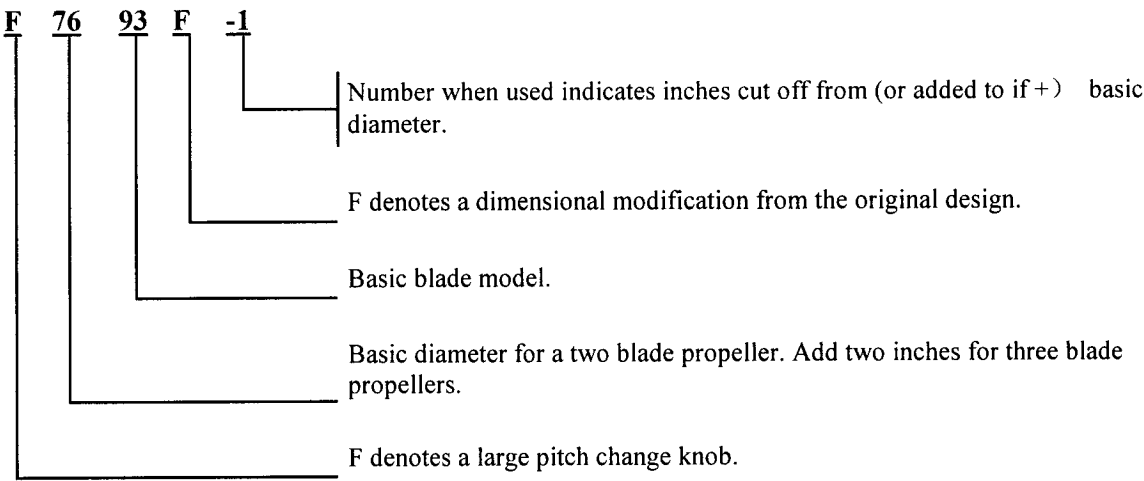
NOTE 1. Hub model designation.



注 2. 桨叶型别名称.



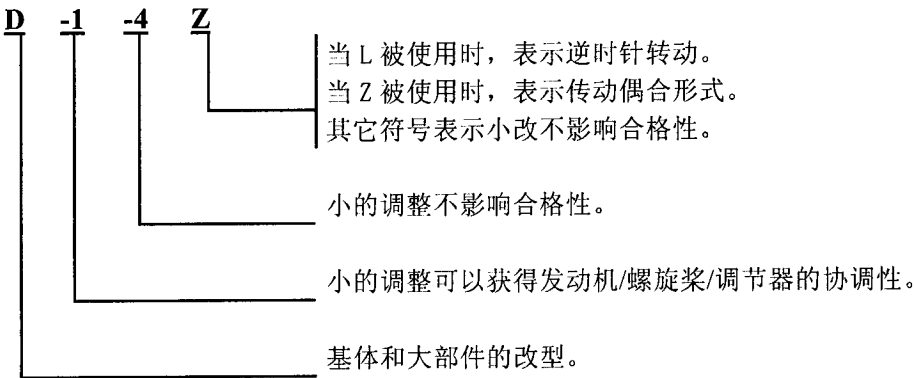
NOTE 2 Blade Model Designation.



注 3. 桨距操纵.

(a) Hartzell 调节器按照图纸C-4770和C-4772批准，重量4.5磅（见注9）。

调节器型别名称



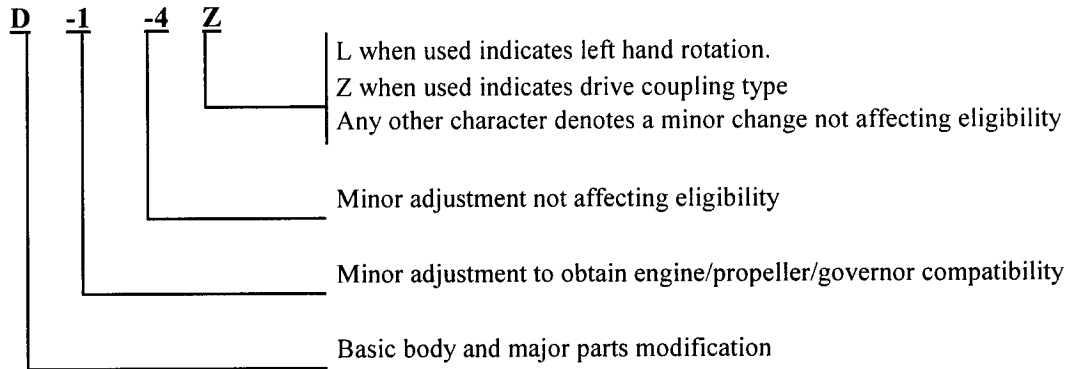
- (b) -2型螺旋桨有配平叶片，使用滑油来减少桨距；-1型螺旋桨没有配平叶片，使用滑油来增加桨距（见注4）。
- (c) 所有螺旋桨型号的调节器最大输出压力为350磅/英寸²。

(d) 所有调节器，不管是那家制造厂商，必须作为飞机安装部件获得批准（见注9）。

NOTE 3: Pitch Control

(a) Approved with Hartzell governors per drawings C-4770 and C-4772. Wt.:4.5lb.(See NOTE 9)

Governor Model Designation



(b) The -2 models have counterweighted blades and use oil to decrease pitch. The -1 models do not have counterweighted blades and use oil to increase pitch.(See NOTE 4).

(c) Maximum governor output pressure:350 psi for all propeller models.

(d) All governors must be approved as part of the aircraft installation regardless of manufacturer(See NOTE 9).

注 4. 顺桨: -1型螺旋桨没有顺桨。
-2型螺旋桨具有顺桨和不顺桨的特性。

反桨 不适用

NOTE 4. Feathering. The -1 models do not feather.
The -2 models incorporate feathering and unfeathering features .

Reversing Not applicable

注 5. 逆时针转动螺旋桨型别
对于所批准螺旋桨型别的逆时针转动螺旋桨形式，在与顺时针方向转动螺旋桨相同的功率和直径条件下被批准（见注1和2）。

NOTE 5. Left-Hand Models.
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 NOTE 1 and 2).

注 6. 可换性.
(a) 调节器
在型别标注中,后缀为“Z”的Hartzell调节器可以与后缀没有“Z”调节器互换。例如，F-6-24Z是F-6-24的替换件，F-6-24是F-6-24Z的替换件。
(b) 叶片
短头叶片可以单独或成组地替换非短头叶片（见注2）。

NOTE 6. Interchangeability
(a) Governors

Hartzell governors with a “Z” suffix in their model designation may be used interchangeably with corresponding governors without the “Z”. For example, the F-6-24Z is a replacement for the F-6-24 and the F-6-24 is a replacement for the F-6-24Z.

(b) Blades

Shot-peened blades may replace non shot-peened blades either individually or as a set (See NOTE 2).

注 7. 附件（见注9）

(a) 螺旋桨防冰（防冰系统额外重量）.

- (1) 当按照Hartzell规范H-S-2 或手册133（）安装时，与Hartzell型号设计数据中列出的输液套管一起批准。
- (2) 与Hartzell螺旋桨型号设计数据中列出的输液设备一起批准，设备是现有的。

(b) 螺旋桨除冰（除冰系统额外重量）

- (1) 当按照1961年10月23日 Goodyear 报告 AP-147 中给出的说明安装时，与Goodyear除冰装置（螺旋桨电除冰装置）一起批准。
- (2) 当按照Goodrich 报告 № ATA 30-60-07安装时，与Goodrich电除冰装置组件 5EXXX-X, 7EXXX-X, 77-XXX, 67-XXX, 或65-XXX一起批准。
- (3) 当在Hartzell型号设计数据中列出时，与防冰设备一起批准。

(c) 螺旋桨整流罩(整流罩额外重量).

当在Hartzell型号设计数据中列出时，与Hartzell和其它制造商的整流罩一起批准。

NOTE 7. Accessories (NOTE 9).

(a) Propellers anti-icing (weight of anti-icing system extra).

- (1) Approved with fluid feed boots listed in Hartzell type design data when installed in accordance with Hartzell specification H-S-2 or Manual 133().
- (2) Approved with fluid feed equipment listed in Hartzell type design data on propellers models for which equipment is available.

(b) Propellers deicing(weight of deicing equipment extra).

- (1) Approved with Goodyear Ice Guards(electrical propeller deicer) when installed in accordance with instructions outlined in Goodyear Report no. AP-147 dated October 23,1961.
- (2) Approved with Goodrich electrical deicing kit 5EXXX-X, 7EXXX-X, 77-XXX, 67-XXX, or 65-XXX when installed in accordance with Goodrich Report no. ATA 30-60-07.
- (3) Approved with ice protection equipment when listed on Hartzell type design data.

(c) Propeller spinner(weight of spinner extra).

Approved with Hartzell and other manufacturers' spinners when listed on Hartzell type design data.

注 8. 尾端整流罩.
不适用.

NOTE 8. Shank fairings.
Not applicable.

注 9. 螺旋桨的安装必须作为飞机型号合格证的一部分得到批准，并验证与适用的飞机适航要求的符合性。

这里列出的螺旋桨型别由基本桨毂和桨叶的型别组成。大部分螺旋桨的型别包括附加的特性，以表示小的更改和特征，如在注1和注2中的解释。对于适用于安装的特定型别，参考飞机型号合格证数据单。

NOTE 9. Propeller installation must be approved as part of the aircraft Type Certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.
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 NOTE 1 and 2. Refer to the aircraft Type Certificate Data Sheet for the specific propeller model applicable to the installation.

注 10 退役时间
(a) 寿命限制和强制检查
(1) 如果有适航限制，则在Hartzell手册113（）或117（）中规定。

NOTE 10 Retirement Time
(a) Life Limits and Mandatory Inspections.
(1) Airworthiness limitations, if any, are specified in Hartzell Manuals 113() or 117().

注 11 特别说明
对于超速和超扭限制，参考Hartzell手册 №202（）。

NOTE 11 Special Notes
Refer to Hartzell Manuals № 202() for overspeed and overtorque limits.

完

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