

型号认可证数据单

THE VALIDATION DATA SHEET

编号/No:
版次/Revision:
型号/Type:
G-36

批准人/Approved By:

日期/Date:

本数据单是型号认可证（编号：____）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: ____), 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:

Hawker Beechcraft Corporation
9709 East Central Wichita Kansas 67201
U.S.A

有效页清单/List of effective pages

页数/Pages	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
版次/Revision	0	0	0	0	0	0	0	0							

第 1 部分 概述 (所有机型)

SECTION 1 GENERAL (ALL MODELS)

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		FAA Data Sheet: No. 3A15, Revision 93, Date of Issue: April 15, 2008
历史 History		

2、 类别/Airworthiness Category: 实用类/ **Utility Category**

3、 认可当局/Validation Authority: CAAC
审定当局/Certifying Authority: FAA

4、 型号合格证持有人/Type Certificate Holder: Hawker Beechcraft Corporation
9709 East Central
Wichita, Kansas 67201
United States of America

5、 ETOPS: Not applicable

6、 CAAC Special Requirements:

交付到中国的每一 AAA 航空器须满足下述特殊要求:

Each of AAA aircraft delivered to China shall meet the following special requirements:

(1) 必须满足中国民用航空局的运行要求 (例如标记标牌的中文要求)。

The operational requirements of CAAC must be met (e.g. Chinese language requirements for markings and placards).

(2) 出口适航证 / Export Certificate

FAA 将颁发声明飞机符合中国民用航空总局批准的型号设计的单独出口适航证, 并处于安全使用状态。/FAA will issue an individual Export Certificate of Airworthiness stating that the aircraft complies with CAAC approved type design and is in condition for safe operation.

(3) 《飞行手册》/ Flight Manual

每架飞机配有 FAA 以中国民用航空总局批准的《飞行手册》。/ The Flight Manual for each aircraft will be approved by FAA on behalf of CAAC.

第 2 部分

SECTION 2

一. 合格审定基础/CERTIFICATION BASIS

1. 美国联邦航空局型号合格审定基础: 见美国联邦航空局型号合格证数据单 3A15, 第 93 版次。
FAA Certification Basis: As defined in FAA Type Certificate Data Sheet No. 3A15, , Revision 93.

2. 中国民用航空总局认可美国联邦航空局确定的型号合格审定基础。

CAAC accepts the Certification Basis of Transport Canada as the Validation Basis./

3. CAAC 的附加技术条件 (ATC) / CAAC identifies the following Additional Technical Conditions

- a 所有 FAA 颁发的适航指令/All applicable airworthiness directives (ADs) issued by the FAA;
- b 中国 RH95/130 (GB1797-79) 汽油 /Operational condition for the P.R.CRH95/130 (GB1797-79) fuel shall be defined;
- c 依据 CCAR91.405, 应急定位发射器 ELT 的安装/Per CCAR 91.405, Emergency Locator Transmitter shall be installed;
- d CCAR23-R3 中 CCAR23.2、CCAR23.561、CCAR23.562 /Per CCAR 91.401, CCAR 23.561 (b) (2) shall be complied with;
- e 中文标记的要求/Placard Requirements;

二. 技术特性和使用限制 / TECHNICAL CHARACTERISTICS AND OPERATIONAL LIMITATIONS

型号 G-36/ Model G-36:

发动机/Engines Continental型号为: IO-550-B
(Type Certificate Number E-286)

发动机使用限制/ Engine Operation Limits For all operations 2700 rpm (300hp)

燃油/Fuel Aviation gasoline Grade 100LL or 100 minimum

螺旋桨和螺旋桨限制/Propeller and Propeller Limits

Hartzell 公司三叶动态平衡恒速 PHC-C3YF-1RF/F8468A 螺旋桨
/Hartzell PHC-C3YF-1RF/F8468A(K)-6R installed.

桨距在30英寸处设定/Pitch Setting at 30 inch station:

高/High: 36.0 ± 1.0 度/degrees

低/Low: 13.0 ± 0.2 度/degrees

空速限制/Airspeed Limits	Vne	Never exceed/不许超越速度 234 mph	(203 knots))
	Vno	Maximum structural cruising/190mph	(165 knots))
		最大结构巡航速度	

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	Va	Maneuvering category /机动速度	139mph	(160 knots)
	Vfe	Flaps extended /襟翼展态速度 12	175 mph	(152knots)
		Flaps extended /襟翼展态速度 (正常)	140 mph	(122 knots)
重心范围/C.G. Range	列出在经批准的公开出版物中, 详见《飞机飞行手册》。 /See Aircraft Flight Manual as listed in Approved Publications.			

空机重量重心范围/Empty Weight C. G. Range 无/None

最大重量/Maximum Weight 3,650 磅/lbs.

座位数/Number of Seats 6 (2 在/at +75, 2 在/at +106, 2 在/at +152)

最大行李重量/Maximum Baggage

后货舱 拆除第五个和第六个座椅//Rear compartment with 5th and 6th seat removed
400 lb. (+150)

后货舱 只拆除第五个或第六个座椅//Rear compartment with only 5th or 6th seat removed
200 lb. (+150)

后货舱/Aft baggage compartment 70 lb. (+180)
(Sta. 170 to Sta. 190)

燃油容积/Fuel Capacity (标准燃油系统左右主油箱/ Standard Fuel System L&R main) at/在
(+75)

(见注释 1: 不可用燃油/See NOTE 1 for unusable fuel)

滑油容积/Oil Capacity 12 quarts/夸脱 at/在 (+15)

(见注释1: /See NOTE 1 for data on system oil.)

Control Surface Movements/操纵面偏度

Wing Flaps/襟翼	12°	Approach/进近	30°	Down/下偏
Right aileron tab/右副翼调整片		fixed/固定		
Left aileron tab/左副翼调整片	9°	Up/上偏	9°	Down/下偏
Ailerons/副翼	20°	Up/上偏	20°	Down/下偏
Rudder tab/方向舵调整片		fixed/固定	45° ± 2°	Down/下偏
Rudder/方向舵	25°	Left 左偏	23°	Right/右偏
Right elevator tab /右升降舵调整片	15°	up/上偏	20°	Down/下偏
Left elevator tab /左升降舵调整片	8°	up/上偏	27°	Down/下偏
Elevator/升降舵	25°	Up/上偏	20°	Down/下偏

制造系列号/Serial Numbers Eligible E-3630, E-3636 & 以后/After

基准/Datum 前梁千斤顶向前 83.1 英寸
/83.1 inches forward of jack pads on front spars

水平测量方法/Leveling Means

左侧行李舱隔板的两个外部螺钉(铅锤法)

/Two external screws in bulkhead aft of baggage compartment on left side(Use plumb bob.)

设备/Equipment

Hartzell 定速3叶螺旋桨/Hartzell constant speed 3-bladed propeller installation

(a) 依据D-6971图纸安装PHC-C3YF-1RF/F8468A(K)-6R Hartzell

/Hartzell PHC-C3YF-1RF/F8468A(K)-6R installed per Hartzell drawing D-6971.

桨距在30英寸处设定/Pitch Setting at 30 inch station:

高/High: 36.0 ± 1.0 度/degrees

低/Low: 13.0 ± 0.2 度/degrees

(b) Woodward D210760 or McCauley C290D3-X/T23 调距器/governor

(c) Hartzell A-2995-2(P) 旋桨毂盖/spinner 和/and A-2476-7旋桨毂盖安装组件/spinner mounting kit

(d) 飞行员操作手册和FAA批准的AFM补充手册HPG 36-2/Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplement HPG 36-2.

(e)重量和平衡/ Weight and balance- 无螺旋桨防冰系统/Without propeller deice system 80 lbs. (-9)
安装螺旋桨防冰系统/With propeller deice system 82 lbs. (-9)

Modine 1E1502D (Continental 发电机/Continental Motors 633277 or 634063)

or Modine 1E1774D (Continental 发电机/Continental Motors 635996)

or TCM P/N 655090 8 lbs. (+36)

Model G36 8 lbs. (+26)

滑油散热器/Oil radiator

引气空气净化器/Induction air cleaner 1 lb. (0)

燃油泵/Fuel pumps (28-伏特系统/volt system) 2 lbs. (+29)

Dukes 4613-00-5 (推进泵/Boost pump) 2 lbs. (+74)

起落架/Landing Gear

Cleveland 6.00-6, No. 20-69 19 lbs. (+97)

机轮组件/Wheel assembly No. 40-83 or 40-83A or 40-83B

刹车组件/Brake assembly No. 30-54 or 30-54A

主轮胎/Main wheel tires

两个6层轮胎/Two 7.00-6, 6-ply rating tires with regular tubes used

一个前轮/One nose-wheel 5.00-5

轮子组件号: Wheel assembly, Cleveland No. 40-77E. 3 lbs.(+12)

前轮轮胎Nose wheel tire

一个4层轮胎/One 4-ply rating tire 5.00-5 with regular tube. 7 lbs. (+ 2)

交流发电机/Alternator (28-伏特系统/volt system)

20 a. 24 v P/N BC410-1 used with IO-550-B engine. (See Note 7) 6 lbs. (+31)

电池/Battery (28-28-伏特系统/volt system)

(a) 24 v. 10 a. hr. 25 lbs. (+38)

(b) 24 v. 3.5 a hr. (见注释7/See Note 7) 12 lbs. (+45)

稳压器/Voltage regulator (28-伏特系统/volt system)

B & G BC203-2E used with 309(g) (见注释7/See note 7) 1 lb. (+40)

飞行手册 DOA批准/Airplane Flight Manuals - DOA approved

飞行员操作手册和FAA批准的手册/Model G36 Pilot's Operating Handbook and FAA Approved Airplane Flight Manual P/N 36-590002-71

失速警告指示器/Stall warning indicator installation

安全飞行/Safe-Flight, Beech Dwg. 58-361013 Negligible

注释 1/NOTE 1: 必须给在原型机审定时的一架飞机提供现行的重量和平衡报告(包括在经审定的空机重量上加装的一系列设备以及加装说明

/A current weight and balance report, including a list of equipment in the certificated empty weight and also loading instructions, must be provided for each airplane at the time of original certification.

经审定的空机重量和相应的重心位置必须包括以下系统滑油(不可排泄)以及不可用燃油(不包括可用燃油):

/The certificated basic empty weight and corresponding center of gravity locations must include system (undrainable) oil (not included in oil capacity) and unusable fuel (not included in usable fuel) as follows:

在+11处的3lbs系统滑油, 对于两个标准油箱, 在(+79)处的36 lbs不可用燃油; 对于两个选装油箱, 在(+79)处的36 lbs不可用燃油, 安装辅助机翼燃油箱要求包括在+94处的5 lb附加燃油。

/System oil of 3 lb. at +11, with two standard wing fuel tanks unusable fuel of 36 lb. at +79. With two optional wing fuel tanks unusable fuel of 36 lb. at +79. Installation of auxiliary wing fuel tanks requires inclusion of additional fuel of 5 lb. at +94.

注释2/NOTE 2:

(a) 以下标牌必须在飞行手册AFM中作为指示标牌给出并且必须在飞行员视野之内安装:

“实用类飞机, 必须在经批准的AFM手册中规定的运行限制下, 禁止有意尾旋, 只允许做AFM所列出的机动”

/ The following placards must be displayed as indicated. Placards required in Approved Airplane Flight Manual and must be displayed as noted therein. In full view of pilot:

"Utility category airplane. Operate in accordance with FAA Approved Airplane Flight Manual. Intentional spins prohibited. No acrobatic maneuvers approved except those listed in the Airplane Flight Manual."

对于系列号D-4866至D-9068以及CD-1至CD-1234, 当安装了LH和RH燃油组件, 以下标牌是不需要的: /For S/N D-4866 through D-9068 and S/N CD-1 through CD-1234:

The following placard not required on the above aircraft when both LH and RH fuel cells are installed.

“快速滑行转弯后立即起飞和转弯类起飞, 燃油箱少于一般油量时避免长时滑跃(超过20秒以上)” /"Turning type take-offs and take-off immediately following fast taxi turn prohibited. Avoid prolonged slips (20 seconds or more) with fuel tanks less than half full."

在飞行员视野之内/In full view of the pilot:

对于系列号D-8612和CD-1121之前/Prior to S/N D-8612 and CD-1121:

“警告-应急空速静压源, 参见飞行手册应急程序关于空速高度校准误差” /

"WARNING - Emergency Airspeed Static Source. See Flight Manual Emergency Procedure for Airspeed Altimeter Calibration Error."

对于系列号D-8612和CD-1121以上: /For S/N D-8612 and up, and S/N CD-1121 and up:

“警告-应急空速静压源, 参见飞行员检查单或者飞行手册应急程序关于空速高度校准误差”

/"WARNING - Emergency Airspeed Static Source. See Pilot's Checklist or Flight Manual Emergency Procedures for airspeed and altimeter calibration error."

在飞行员视野之内, 位于燃油转换阀口盖或仪表板上/On fuel selector valve cover or instrument panel in full view of pilot:

“如果油量指示在黄区或者每个主油箱少于12加仑, 不要起飞” /"Do not take off if fuel quantity gages indicate in yellow band or with less than 13 gallons in each main tank."

(b) 系列号E3700, E3755 及以上/S/N E3700, E3755 and on

在飞行员视野之内/In full view of the pilot:

禁止吸烟/NO SMOKING

注释3/NOTE3.

公司名字于4/15/96变更生效, 下列系列号的飞机是在公司名称为Raytheon Aircraft Company时生产的: G36: E-3630、E3636和其之前的。

/Company name change effective 4/15/96. The following serial numbers are manufactured under the name of Raytheon Aircraft Company: G36: E-3630, E-3636 and up.

-END-