

型号认可证数据单

THE VALIDATION DATA SHEET

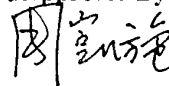
编号/No:

版次/Revision: 0

型号/Type:

DA20-C1

批准人/Approved By:



日期/Date: 2004.07.27

本数据单是型号认可证(编号: VTC150A)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: VTC150A)**, 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:

Diamond Aircraft Industries

1560 Crumlin Sideroad

London, Ontario

Canada

NSV 1S2

版次/Revision	0	0	0	0	0	0					
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版次/Revision											
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一.总则/GENERAL

1. DA 系列/DA Series

型号/MODEL: DA20 - C1

(实用类/Utility Category)

2. 加拿大运输部型号合格证: No. A-191。

Transport Canada Type Certificate: No. A-191.

型号/MODEL: DA20 - C1 (批准日期 1997 年 12 月 19 日/Approved December 19, 1997)

3. 加拿大运输部型号合格证数据单: No. A-191, 第 13 版次, 颁发日期: 2004 年 6 月 7 日。

Transport Canada Type Certificate Data Sheet: No. A-191, Revision 13, Date of Issue: June 7, 2004.

4. 加拿大运输部生产许可证: No. 161-93, 修改日期: 2002 年 5 月 28 日。

Transport Canada Production Certificate No 161 93, Amendment dated May 28 2002

一. 合格审定基础/CERTIFICATION BASIS

- 加拿大运输部型号合格审定基础: 见加拿大运输部型号合格证数据单: No. A-191, 第 13 版。
/ Transport Canada Certification Basis As defined in Transport Canada Type Certificate Data Sheet No. A-191, Revision 13
 - 1993 年 6 月 30 日第一版的《加拿大适航手册(AWM)》的 523-VLA 章。/Canadian Airworthiness Manual (AWM) Chapter 523-VLA First Edition dated June 30, 1993
 - 1991 年 11 月 1 日第一版的《加拿大适航手册(AWM)》的 516 章。/Canadian Airworthiness Manual Chapter 516 Edition 2 dated November 1, 1991.
- 中国民用航空总局认可加拿大运输部确定的型号合格审定基础,同时认为其达到了对 CCAR-23-R2 的等效安全水平。

CAAC accepts the Certification Basis of Transport Canada as the Validation Basis, which CAAC considers being at the equivalent level of safety of CCAR-23-R2

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

型号 DA20-C1 / Model DA20-C1:

发动机 Engines 泰勒达因大陆公司发动机, 型号为: 10-240-B。
Teledyne Continental Motors 10-240-B

发动机使用限制/ Engine Operation Limits

	马力/ HP	千瓦/ KW	发动机转速/ r p.m
- 最大连续 Maximum Continuous	125	93.2	2800

螺旋桨和螺旋桨限制 型号 Type: Sensenich W69EK7-63 或 W69EK7-63G。 Sensenich
Propeller and W69EK7-63 or W69EK7-63G.
Propeller Limits 直径/Diameter: 1.752m (5ft 9.0in.).

滑油压力/ Oil Pressure	-最低/Minimum	0.69 bar(10 psi)
	-最高/Maximum	4.1 bar(60 psi)
	-短期/Short period	6.9 bar(100 psi)
	最高冷启动/Max at cold start	

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空速限制(校正空速 节)/ Airspeed Limits (KCAS)	VNI(不可超越速度 Never exceed speed)	158.7		
	VNO(最大结构巡航速度/Maximum structural cruising speed)	117.7		
	VA(机动速度/Maneuvering speed)	106.9		
	VFE((襟翼放下速度/Flap extended speed)			
	起飞位置/Take-off Position(15°)	100		
最大重量(质量)/ Maximum Weight (Mass)	着陆位置/Landing Position(45°)	81		
		kg	lb	
	滑行/Ramp Weight	753	1660	
	起飞/Takeoff	750	1653	
燃油容积 Fuel Capacity		立升/ Liters	英制加仑/ Imp. Gal	美制加仑 U. S. Gal
	可用燃油 Usable fuel	91	20.0	24.0
	-不可用燃油/Unusable fuel	2	0.1	0.5
	-总燃油量 Total fuel quantity	93	20.1	24.5
	如果安装了 20 美制加仑油箱(图号: 22-2813-00-00)的全部系列编 号飞机。/ All S/N of 20 U.S.Gal. fuel tank (Dwg. No. 22-2813- 00-00) is installed			
	-可用燃油 Usable fuel	76	16.7	20.0
	-不可用燃油/Unusable fuel	2	0.4	0.5
	-总燃油量/total fuel quantity	78	17.1	20.5
		立升/ Liters	英制夸脱 Imp Qt	美制夸脱 U. S. Qt
	最小/Minimum	3.79	3.33	4
滑油容积 Oil Capacity	最大/Maximum	5.68	5.0	6
制造编号 Serial Numbers Eligible	制造编号从 C0149 起。 S/N C0149 and subsequent			

燃油/ Fuel	规范/Specifications	
	牌号/Type	
	加拿大/Canadian	美国/U S A
	AVGAS 100LL	CCSB3.25 ASTM D910
批准的其它牌号燃油见《飞机飞行手册》。/See Aircraft Flight Manual for other approved fuel		

滑油/Oil	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		
重心限制 C G Limits	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		
最大行李重量 Maximum Baggage	仅允许用安全带捆绑的 20 公斤(44 磅)行李。/20kg(44 lb)only permissible with baggage harness.		
参考基准 Reference Datum	重心的参考基准(RD)正切于机翼根肋的前缘。/The reference datum (RD) for the centre of gravity (C G) is tangent to the leading edge of the wing at the root rib		
水平措施/ Levelling Means	楔比 55.84:1000, 座舱盖后缘向后 2000mm 处。 Wedge 55.84:1000, 2000mm behind canopy		
最小飞行机组 Minimum Crew	1 名飞行员。 1 Pilot.		
最大乘员/Maximum Occupants	2 人(含飞行员)。 2 (includes pilot)		
飞行载荷系数 Flight Load Factors	襟翼收上 Flaps up	+4.4g	-2.2g
	襟翼放下 Flaps down	+2.0g	-0.0g
外界空气温度限制 /Outside Air Temperature Limits	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.		
批准构形/Approved Configuration	DA20 飞机的构形, 对于 DA20-C1 型飞机由编号 DA20-C1 的文件定义。/The DA20 Configuration is defined by Document No DA20-C1 for Model DA20-C1		
所要求的设备/ Required Equipment	作为适用设备的适航要求(见审定基础)规定, 所要求的基本设备必须安装在飞机上。/The basic required equipment as prescribed in the applicable Equipment airworthiness requirement(See Basis of Certification) must be installed in the aircraft 另外, 下述设备项目亦是所要求的 In addition the following items of equipment are required a) 列出在经批准的公开出版物《飞机飞行手册》中。/ Aircraft Flight Manual as listed in Approved Publications b) 灭火器材。/Fire extinguisher.		
标牌/ Placards	已批准的《飞机飞行手册》中给出了所要求的全部标牌。/All Placards required in the Approved Aircraft Flight Manual.		

批准出版物/ Approved Publications	《DA20-C1 飞行手册》(DA20-C1 飞机), 日期为 1997 年 12 月 19 日第 1 次颁发的文件编号: DA202-C1, 或随后批准的换版 / Flight Manual DA20-C1 (DA20-C1) Document No DA202-C1 Issue 1, dated December 19, 1997 or later approved revision
时限件/ Life Limited Parts	时限件开列在《维修手册》第四章中, 对于 DA20-C1 飞机, 文件编号: DA201-C1。/ Components which are life limited are listed in Maintenance Manual, Document NO DA201-C1, Chapter 4 for Model DA20-C1

四. 进口要求/ IMPORT REQUIREMENTS

1. 运行要求 / Operational Requirements

对于中国的运行的每架飞机, 必须满足中国民用航空总局的运行要求。在型号设计厂家的支持下, 符合运行要求是承运人的责任, 但不作为颁发出口适航证的要求。/ For each aircraft to be operated in China, the operational requirements of CAAC must be met. Compliance with operational requirements is the responsibility of the operator, with support from the type design holder, and not a requirement for issue of the Export Certificate of Airworthiness

2. 出口适航证 / Export Certificate of Airworthiness

对声明符合中国民用航空总局批准的型号设计并处于安全运行状态, 从加拿大出口中国的所有飞机需有加拿大运输部颁发的出口适航证。/ All aircraft exported from Canada to China require a Transport Canada 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

每架从加拿大进口中国的飞机需配有最新版次水平的加拿大运输部批准的《飞行手册》, 中国民用航空总局接受加拿大运输部的批准并作为自己的批准。/ Each aircraft imported into China from Canada requires a Transport Canada approved Flight Manual at the latest applicable revision level. CAAC accepts the Transport Canada approval of the Flight Manual as CAAC approval

注释 1/NOTE 1 其它出版物包括《DA20 维修手册》, 对于 DA20-C1 飞机, 文件编号: DA201-C1。/ Other publication include DA20 Maintenance Manual, Document NO DA201-C1 for Model DA20-C1

注释 2/NOTE 2 依据中国的进口要求, 服务通告 DAC1-92-02 列出安装在飞机上的适用的中文标牌。/ Service Bulletin DAC1-92-02, Import Requirements for China, lists the applicable Chinese language placards to be installed on in the aircraft.

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