

型号认可证数据单

THE VALIDATION OF
TYPE CERTIFICATE DATA SHEET

编号/No: VTC0154A

版次/Revision: 9

型号/Type:

DA 40

型别/Model:

DA 40

DA 40 D

DA 40 F

DA 40 NG

批准人/Approved By: Xu Chaoqun



职位 /Title: Director General of
CAAC-AAD

日期/Data: 2018-08-28

本数据单是型号认可证（编号：VTC0154A）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 part of Validation of Type Certificate (No: VTC0154A), prescribes conditions and limitations under which the product for which the Validation of Type Certificate was issued meets the airworthiness requirements of the Chinese Civil Aviation Regulations.

型号认可证持有人/Validation of Type Certificate Holder:

Diamond Aircraft Industries Inc.
1506 Crumlin Sideroad
London Ontario
N5V 1S2 Canada

2017 年 11 月 15 日前/Before November 15, 2017:

Diamond Aircraft Industries GmbH
N.A. OTTO-STR. 5
A-2700 Wiener Neustadt
AUSTRIA

第1部分 型号认可证概述

SECTION 1 GENERAL OF VTC

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	VTC0154A	Revision: 9	2018-08-28	TCCA: A-224	Issue 8	15 November 2017
	VTC0154A	Revision: 8	2017-6-9	EASA.A.022	Issue 21 -DA 40 NG Issue 20 -DA 40 -DA 40 F Issue 12 -DA 40 D	17 August 2016
历史 History	VTC0154A	Revision: 7	2011-08-29	EASA.A.022	Issue 12	12 April 2011
	VTC0154A	Revision: 6	2008-06-10	EASA.A.022	Issue 07	28 January 2008
	VTC0154A	Revision: 5	2008-05-13	EASA.A.022	Issue 07	28 January 2008
	VTC0154A	Revision: 4	2007-10-28	EASA.A.022	Issue 05	28 March 2007
	VTC0154A	Revision: 3	2007-06-27	EASA.A.022	Issue 04	21 December 2006
	VTC0154A	Revision: 2	2006-06-19	EASA.A.022	Issue 03	28 September 2005
	VTC0154A	Revision: 1	2005-02-06	JAA/23/00-001	Issue 12	07 May 2004
	VTC0154A	Revision: 0	2004-10-26	JAA/23/00-001	Issue 12	07 May 2004

2. 认可当局/Validation Authority: 中国民用航空局/CAAC

3. 审定当局/Certification Authority: 加拿大运输部民航局/TCCA
2017 年 11 月 15 日前/Before November 15, 2017: 欧洲航空安全局/EASA.

4. 型号合格证 Type Certificate Number: A-224

型号合格证持有人/Type Certificate Holder: Diamond Aircraft Industries Inc.
1506 Crumlin Sideroad
London Ontario
N5V 1S2 Canada

第2部分 型号数据

SECTION 2 TYPE DATA

I.型别/Model: DA 40

一、产品型别和批准日期/THE PRODUCT MODEL AND APPROVAL DATE

1. 型号、衍生型或型别

Type / Variant or Model

(a)型号/Type DA 40

(b)型别/Model: DA 40

(c)衍生型/Variant: --

2. 适航类别 正常类和实用类/Normal and Utility Category

Airworthiness Category

3.TCCA 批准日期 2002 年 2 月 28 日/28 February 2002

TCCA Approved date:

4.CAAC 批准日期 2004 年 10 月 26 日/26 October 2004

CAAC Approved date:

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

发动机 Textron Lycoming IO-360 M1A 型发动机, FAA 发动机型号合格证数据单 1E10, CAAC 发动机型号认可证数据单 VTC0149E 版次 3。

Textron Lycoming IO-360 M1A, FAA Engine Type Certificate Data Sheet 1E10, CAAC Validation Type Certificate Data Sheet VTC0149E Revision 3.

发动机使用限制	HP	KW	RPM
Engine Operating Limits			
最大起飞/Max Take-off	180	134.2	2700
最大连续/Max Continuous	160	119.3	2400

螺旋桨和螺旋桨限制 MT-Propeller MTV-12-B/180-17()螺旋桨, EASA 螺旋桨型号合格证数据单 P.013, CAAC 螺旋桨型号认可证数据单 VTC0159P。

MT-Propeller MTV-12-B/180-17(), EASA Propeller Type Certificate Data Sheet P.013, CAAC Propeller Validation Type Certificate Data Sheet VTC0159P.

直径/Diameter: 1800 毫米 (5 英尺 11.2 英寸) /1800 mm (5 ft 11.2 in.)

空速限制	V _{NE}	178 KIAS
Airspeed Limits	V _{NO}	129 KIAS
	V _A	108 KIAS (980kg 以上/above 980 kg)
		94 KIAS (780kg 到 980kg /780Kg to 980 kg)
	带有 MAM40-227 的更改	111 KIAS (1036kg 以上/above 1036 kg)
	/With Change MAM40-227	94 KIAS (780kg 到 1036kg/780Kg to 1036 k)

最大重量/Maximum Weights 实用类/Utility Category

起飞/着陆/Take-off/Landing 980 kg (2161 lb)

正常类/Normal Category:

	起飞/Take-off	1150 kg (2535 lb)或/or 1200 kg (2646 lb)(见注释 6/ see Note 6)
	着陆/Landing	1092 kg (2407 lb)或/or 1150 kg (2535 lb) (见注释 6/ see Note 6)
测平方式/Leveling Means	楔比 600: 31 背鳍前部的机身管舱上部表面/wedge 600: 31 top surface of fuselage tube in front of dorsal fin	
燃油容量/Fuel Capacity	标准油箱/Standard Fuel Tank	
	可用/Usable	152.2 升/liters (40.2 美国加仑/US Gallon)
	总共/Total	156 升/liters (41.2 美国加仑 /US Gallons)
	远程油箱/Long Range Fuel Tank	
	可用/Usable	189.2 升/liters (50 美国加仑 /US Gallons)
	总共/Total	193 升/liters (51 美国加仑 /US Gallon)
滑油容量/Oil Capacity	最小/Min	3.785 升/liters (4 夸脱/qts)
	最大/Max	7.57 升/liters (8 夸脱/qts)
适用的序列号 Serial Numbers Eligible	40.006 至 40.083 (40.010 和 40.080 除外) /40.006 thru 40.083 (except 40.010 and 40.080)	
	40.201 及其以后 (40.213 除外) /40.201 and subsequent (except 40.213)	
燃油/Fuel	见 AFM 第 2 章/ see AFM Section 2	
滑油/Oil	符合 SAE J1899 / MIL-L-22851 规范的滑油/Oils conforming to spec. SAE J1899 / MIL-L-22851	
重心限制/C.G. Limits	前限/Forward limit:	
	980kg 以下/up to 980 kg	基准后 2.40m/ 2.40 m behind Datum
	在 1200kg /at 1200 kg	基准后 2.48m/2.48 m behind Datum
	中间随质量线性变化/varying linearly with mass in between	
	后部限制/Rear limit:	
	所有重量/for all masses	基准后 2.59m/2.59 m behind Datum
	带远程油箱/ with Long Range Fuel Tank	基准后 2.55m/2.55 m behind Datum
最大行李/Maximum Baggage	后排座椅后 30 kg (66.14 lb)/ 30 kg (66.14 lb) behind rear seats	
	带行李扩展时 45 kg (99.2 lb)/ 45 kg (99.2 lb) with Baggage Extension (见注释 4/See NOTE 4)	
	行李舱中 5 kg (11.02 lb) /5 kg (11.02 lb) in baggage Tube	
参考基准/Reference Datum	机翼对接前缘处 2.194m/ 2.194m in front of leading edge of wing stub at the wing joint	
最大乘员数/Maximum Occupants	4 (包括飞行员/includes pilot)	
飞行载荷系数/Flight Load	正常类/Normal Category 在 V_A /at V_A 在 V_{NE} /at V_{NE} 襟翼在起飞或着陆	

Factors	With flaps in T/O or LDG		
	正载荷/ Positive	3.8	3.8
	负载荷/Negative	-1.52	0
	实用类/Utility Category		
	正载荷/ Positive	4.4	4.4
	负载荷/ Negative	-1.76	-1
最大使用高度/Maximum Operating Altitude	5000 m (16404 ft)		
运行能力	昼间目视/Day-VFR 夜间目视/Night VFR (见注释 5/see Note 5) IFR (见注释 5/see Note 5) 禁止进入预计或真实结冰条件飞行/Flight into expected or actual icing conditions is prohibited		
TCCA 合格审定基础 TCCA Certification Basis:	AWM523, 更改 523-4, 1996 年 9 月 1 日, 加上 FAR 23 修正案 23-46 和 23-48 到 23-52。通过在 AWM523 中引用来采纳, 1997 年 6 月 30 日生效(NPA 97-168) AWM523, Change 523-4, 1 September 1996, Plus FAR 23 amendments 23-46 and 23-48 to 23-52 inclusive, adopted by reference in AWM 523, effective 30 June 1997 (NPA 97-168). EASA 专用条件/EASA Special Conditions CRI F-01 高强度辐射场作用下的保护/ Protection from the Effects of HIRF CRI F-03 闪电影响与间接影响防护/Protection from the Effects of Lightning Strikes, Indirect Effects CRI O-01 滑翔机牵引/ Glider Towing CRI O-02 牵引索回收机构/Tow Cable Retraction Mechanisms 环境标准/Environmental Standards: AWM516, 第二版更改(更名为更改 516-05), 1998 年 2 月 8 日。/AWM516, Change 2 nd Edition (renamed Change 516-05), dated 8 February 1998.		
CAAC 认可审定基础/CAAC Validation Certification Basis	CAAC 的认可审定基础由 TCCA 的审定基础和 CAAC 附加技术条件组成。 The CAAC Validation Certification Basis consists of the TCCA certification basis and the CAAC additional technical conditions. CAAC 附加技术条件/CAAC Additional Technical Conditions 用于警告乘客或地面救援人员舱门位置和打开方法的标记标牌必须满足中文要求/All literal marking and placards on an airplane used for indicating passengers or outboard rescue personnel of the location of doors and their means of opening must be at least in Chinese language.		
批准的构型/Approved Configuration	Doc. No. D40-AW-0120, 最新版/latest revision		

批准的出版物/Approved Publications	1. 飞机飞行手册文件号 6.01.01-E /Airplane Flight Manual Doc. No. 6.01.01-E 2. 飞机维修手册文件号 6.02.01/Airplane Maintenance Manual Doc No. 6.02.01
中文标牌和标识 Chinese Placards and marking	DAI 只使用象形图向乘客或者舱外救援人员指示舱门位置和打开方式，文件编号 D41-1120-20-00。内容不包含英文，所以不需要中文标牌。 DAI uses only pictogram for indicating passengers or outboard rescue personnel the location of doors and means of opening, document No.D41-1120-20-00. No descriptive text in English language is required, so no Chinese language placards are required.

II. 型别/Model: DA 40 D**一、产品型别和批准日期/THE PRODUCT MODEL AND APPROVAL DATE****1. 型号、衍生型或型别 Type / Variant or Model**

- (a) 型号/Type DA 40
 (b) 型别/ Model: DA 40 D
 (c) 衍生/Variant: --

2. 适航类别 正常类类和实用类/Normal and Utility Category

Airworthiness Category

3. TCCA 批准日期 2017 年 11 月 15 日/15 November 2017

TCCA Approved date:

4. CAAC 批准日期 2004 年 10 月 26 日/26 October 2004

CAAC Approved date:

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

发动机 Technify Motors GmbH, TAE 125-01 或 TAE 125-02-99 型发动机 (见注释 7), EASA
 Engine 发动机型号合格证 EASA E.055, CAAC 发动机型号认可证数据单 VTC0158E 版次 2。

Technify Motors GmbH, TAE 125-01 or TAE 125-02-99 (see NOTE 7). EASA Engine
 Type Certificate Data Sheet EASA E.055, CAAC Validation Type Certificate Data Sheet
 VTC0158E Revision 2.

发动机使用限制		HP	KW	RPM
Engine Operating Limits	最大起飞/Max Take-off	135	99	2300
	最大连续/Max Continuous	135	99	2300

螺旋桨和螺旋桨限制 MT-Propeller MTV-6-A/187-129 螺旋桨, EASA 螺旋桨型号合格证数据单 P.094,
 Propeller and propeller limits CAAC 螺旋桨型号认可证数据单 VTC0254P, 版次 1。

MT-Propeller MTV-6-A/187-129, EASA Propeller Type Certificate Data Sheet P.094,
 CAAC Propeller Validation Type Certificate Data Sheet VTC0254P, Revision 1.
 直径/Diameter: 1870 毫米 (6 英尺 1.5 英寸) /1870 mm (6 ft 1.5 in.)

空速限制	V _{NE}	178 KIAS
Airspeed Limits	V _{NO}	129 KIAS
	V _A	108 KIAS (980kg 以上/above 980 kg) 94 KIAS (980kg 以下/up to 980 kg)

最大重量/Maximum Weights	起飞/Take-off:	
	实用类/Utility Category:	980 kg (2161 lb)
	正常类/Normal Category:	1150 kg (2535 lb)
	着陆/Landing	1092 kg (2407 lb)或/or 1150 kg (2535 lb) (见注释 6/ see Note 6)

测平方式/Leveling Means 楔比 600: 31 背鳍前部的机身管舱上部表面。/wedge 600: 31 top surface of fuselage
 tube in front of dorsal fin

燃油容量/Fuel Capacity	标准油箱/Standard Fuel Tank	
	可用/Usable	106.0 升/liters (28.0 美国加仑/US Gallon)
	总共/Total	113.6 升/liters (30.0 美国加仑 /US Gallons)
	远程油箱/Long Range Fuel Tank	
	可用/Usable	147.6 升/liters (39.0 美国加仑 /US Gallons)
	总共/Total	155.2 升/liters (41.0 美国加仑 /US Gallon)
滑油容量/Oil Capacity	最小/Min	4.5 升/liters (4.8 夸脱/qts)
	最大/Max	6.0 升/liters (6.3 夸脱/qts)
适用的序列号 Serial Numbers Eligible	序列号 40.080, 40.084 和 D4001 至 D4399(D4.013, D4.111, D4.198 至 D4.201, D4.246, D4362, D4.365, D4.379, D4.380, D4.383 至 D4.388, D4.390, D4.391 和 D4,393 至 D4,398) (有关从 DA40 D 转换为 DA40 NG, 请同时参照 DA 40 NG 数据)。 序列号 40.DS001 至 40.DS175 (40.DS173 除外)。 40.080, 40.084 and D4.001 through D4399(except D4.013, D4.111, D4.198 through D4.201, D4.246, D4362, D4.365, D4.379, D4.380, D4.383 through D4.388, D4.390, D4.391and D4,393 through D4,398)(also refer to DA40NG data regarding conversion from DA40 D to DA40 NG.) 40. DS001 through 40.DS175 (except 40.DS173)	
燃油/Fuel	航空煤油 – 批准的燃油规范见 AFM 第 2 章。/Jet - Refer to AFM Section 2 for approved fuel specifications.	
	煤油 (EN590) (见注释 8) /Diesel (EN 590) (See NOTE 8).	
滑油/Oil	发动机: Shell Helix Ultra 5W30 synthetic API SJ/CF 更多细节见飞行手册, 文件 No.6.01.05, 第 2 章 Engine: Shell Helix Ultra 5W30 synthetic API SJ/CF For more details see AFM, Doc. No.6.01.05, Section 2	
	齿轮箱: Shell EP 75W90 API GL-4 更多细节见飞机飞行手册, 文件 No.6.01.05, 第 2 章 Gearbox: Shell EP 75W90 API GL-4 For more details see AFM, Doc. No.6.01.05, Section 2	
重心限制/C.G. Limits	前限/Forward limit:	
	980kg 以下/up to 980 kg	基准后 2.40m/ 2.40 m behind Datum
	在 1150kg /at 1150 kg	基准后 2.46m/2.46 m behind Datum
	中间随质量线性变化/varying linearly with mass in between	
	后部限制/Rear limit:	
	所有重量/for all masses	基准后 2.59m/2.59 m behind Datum
最大行李/Maximum Baggage	带远程油箱/ with Long Range Fuel Tank	基准后 2.55m/2.55 m behind Datum
	后排座椅后 30 kg (66.14 lb)/ 30 kg (66.14 lb) behind rear seats	
	带行李扩展时 45 kg (99.2 lb)/ 45 kg (99.2lb) with Baggage Extension (见注释 4/See NOTE 4)	

	行李舱中 5 kg (11.02 lb) /5 kg (11.02 lb) in baggage Tube			
参考基准/Reference Datum	机翼对接前缘处 2.194m/ 2.194m in front of leading edge of wing stub at the wing joint			
最大乘员数/Maximum Occupants	4 (包括飞行员/includes pilot)			
飞行载荷系数/Flight Load Factors	正常类/Normal Category	在 V_A /at V_A	在 V_{NE} /at V_{NE}	襟翼在起飞或着陆 With flaps in T/O or LDG
	正载荷/ Positive	3.8	3.8	2.0
	负载荷/Negative	-1.52	0	
	实用类/Utility Category			
	正载荷/ Positive	4.4	4.4	2.0
	负载荷/ Negative	-1.76	-1	
最大使用高度/Maximum Operating Altitude	5000 m (16404 ft)			
运行能力	昼间目视/Day-VFR			
	夜间目视/Night VFR (见注释 5/see Note 5)			
	IFR (见注释 5/see Note 5)			
	禁止进入预计或真实结冰条件飞行/Flight into expected or actual icing conditions is prohibited			
TCCA 审定基础 TCCA Certification Basis:	AWM523, 更改 523-4, 1996 年 9 月 1 日, 加上 FAR 23 修正案 23-46 和 23-48 到 23-52。通过在 AWM523 中引用来采纳, 1997 年 6 月 30 日生效(NPA 97-168) AWM523, Change 523-4, 1 September 1996, Plus FAR 23 amendments 23-46 and 23-48 to 23-52 inclusive, adopted by reference in AWM 523, effective 30 June 1997 (NPA 97-168).			
	<u>EASA 专用条件/EASA Special Conditions</u>			
	CRI E-05 活塞式发动机使用喷气燃油/ Reciprocating Engine using Jet Fuel			
	CRI E-06 活塞式发动机的柴油和柴油/喷气燃油混合的使用/ Use of Diesel Fuel and Diesel/Jet Fuel Blends for Reciprocating Engines			
	CRI E-09 发动机振动等级/ Engine Vibration Level			
	CRI E-10 发动机扭矩/ Engine Torque			
	CRI F-01 高强度辐射场作用下的保护/ Protection from the Effects of HIRF			
	CRI F-03 闪电影响与间接影响防护/ Protection from the Effects of Lightning Strikes, Indirect Effects			
	CRI F-06 FADEC 柴油发动机和螺旋桨的安装/ Installation of a FADEC Diesel Engine and Propeller			
	CRI F-07 综合航电系统的 CRI F-08 软件, 硬件保证等级和高度集成或复杂飞机系统的人为因素/ Human Factors in Integrated Avionic Systems CRI F-08 Software, Hardware Assurance Level and Highly, Integrated or Complex			

Aircraft Systems

EASA 等效安全/EASA Equivalent Safety Findings:

CRI D-01 单杆功率控制/ Single Lever Power Control

CRI E-07 冷却水箱/Coolant Tank

CRI E-08 电子控制的活塞式柴油发动机/ Electronically-controlled Reciprocating Diesel Engine

CRI E-11 燃油系统-热燃油温度/ Fuel System - Hot Fuel Temperature

CRI F-05 动力装置仪表/ Power plant Instruments

环境标准/Environmental Standards:

AWM516, 第二版更改 (更名为更改 516-05), 1998 年 2 月 8 日。

AWM516, Change 2nd Edition (renamed Change 516-05), dated 8 February 1998.

CAAC 认可审定基础/CAAC
Validation Certification Basis

CAAC 的认可审定基础由 TCCA 的审定基础和 CAAC 附加技术条件组成。

The CAAC Validation Certification Basis consists of the TCCA certification basis and the CAAC additional technical conditions.

CAAC 附加技术要求/CAAC Additional Technical Conditions

用于警告乘客或地面救援人员舱门位置和打开方法的标记标牌必须满足中文要求 /All literal marking and placards on an airplane used for indicating passengers or outboard rescue personnel of the location of doors and their means of opening must be at least in Chinese language.

燃油符合中国航空燃油 3 号喷气燃油 (GB-6537-2006)。/Fuel conforms to China Aviation No.3 JET FUEL (PRC National Standard GB-6537-2006).

批准的构型/Approved
Configuration

Doc. No. D40-AW-0129, 最新版/latest revision

批准的出版物/Approved
Publications

1. 飞机飞行手册文件号 6.01.01-E /Airplane Flight Manual Doc. No. 6.01.01-E
2. 飞机维修手册文件号 6.02.01/Airplane Maintenance Manual Doc No. 6.02.01

中文标牌和标识
Chinese Placards and marking

DAI 只使用象形图向乘客或者舱外救援人员指示舱门位置和打开方式, 文件编号 D41-1120-20-00。内容不包含英文, 所以不需要中文标牌。

DAI uses only pictogram for indicating passengers or outboard rescue personnel the location of doors and means of opening, document No.D41-1120-20-00. No descriptive text in English language is required, so no Chinese language placards are required.

III. 型别/Model: DA 40 F

一、产品型别和批准日期/THE PRODUCT MODEL AND APPROVAL DATE

1. 型号、衍生型或型别 Type / Variant or Model

- (a) 型号/Type DA 40
(b) 型别/ Model: DA 40 F
(c) 衍生/Variant: --

2. 适航类别 正常类和实用类/Normal and Utility Category
Airworthiness Category

3. TCCA 批准日期 2006 年 2 月 28 日/28 February 2006

TCCA Approved date:

4. CAAC 批准日期 2006 年 6 月 16 日/16 June 2006

CAAC Approved date:

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

发动机 Textron Lycoming O-360-A4M 型发动机, FAA 发动机型号合格证 286, CAAC 发动机型号认可证数据单 VTC0170E 版次 1。

Textron Lycoming O-360-A4M, FAA Engine Type Certificate Data Sheet 286, CAAC Validation Type Certificate Data Sheet VTC0170E Revision13.

发动机使用限制		HP	KW	RPM
Engine Operating Limits	最大起飞/Max Take-off	180	134.2	2700
	最大连续/Max Continuous	180	134.2	2700

螺旋桨和螺旋桨限制 Sensenich 76EM8S10-0-63 或 mt propeller MT 188R135-4G, FAA 螺旋桨型号合格证数据单 P4EA (Sensenich 76EM8S10-0-63)或 EASA 螺旋桨型号合格证数据单 P.006 (mt propeller MT 188R135-4G), CAAC 螺旋桨型号认可证数据单 VTC0168P 版次 0 或 VTC0163P 颁发日期 2005-04-30。/ Sensenich 76EM8S10-0-63 or mt propeller MT 188R135-4G, FAA Propeller Type Certificate Data Sheet P4EA Or EASA TCDS P.006 (mt propeller MT 188R135-4G), CAAC Propeller Validation Type Certificate Data Sheet VTC0168P revision 0 or VTC0163P date of issue 30-April-2005.
直径/Diameter: 1930 毫米 (6 英尺 4 英寸) /1930 mm (6 ft 4 in.) (Sensenich 76EM8S10-0-63)
直径/Diameter: 1880 毫米 (6 英尺 2 英寸) /1880 mm (6 ft 2 in.) (mt propeller MT 188R135-4G)

空速限制	V _{NE}	178 KIAS
Airspeed Limits	V _{NO}	129 KIAS
	V _A	108 KIAS (980kg 以上/above 980 kg) 94 KIAS (780kg 到 980kg /780Kg to 980 kg)

最大重量/Maximum Weights 起飞/Take-off:
实用类/Utility Category: 980 kg (2161 lb)
正常类/Normal Category: 1150 kg (2535 lb)

	着陆/Landing	1150 kg (2535 lb)		
测平方式/Leveling Means	楔比 600: 31 背鳍前部的机身管舱上部表面。 /wedge 600: 31 top surface of fuselage tube in front of dorsal fin.			
燃油容量/Fuel Capacity	标准油箱/Standard Fuel Tank			
	可用/Usable	152.2 升/liters (40.2 美国加仑/US Gallon)		
	总共/Total	156 升/liters (41.2 美国加仑 /US Gallons)		
	远程油箱/Long Range Fuel Tank			
	可用/Usable	189.2 升/liters (50 美国加仑 /US Gallons)		
滑油容量/Oil Capacity	最大/Max	7.57 升/liters (8 夸脱/qts)		
	最小/Min	3.785 升/liters (4 夸脱/qts)		
适用的序列号/Serial Numbers Eligible	40.FC001 及其以后/40.FC001 and subsequent			
燃油/Fuel	见 AFM 第 2 章/ see AFM Section 2			
滑油/Oil	滑油符合规范 SAE J1899 / MIL-L-22851。 /Oils conforming to spec. SAE J1899 / MIL-L-22851			
重心限制/C.G. Limits	前限/Forward limit:			
	980kg 以下/up to 980 kg	基准后 2.40m/ 2.40 m behind Datum		
	在 1150kg /at 1150 kg	基准后 2.46m/2.46 m behind Datum		
	中间随质量线性变化/varying linearly with mass in between			
	后部限制/Rear limit:			
	所有重量/for all masses	基准后 2.59m/2.59 m behind Datum		
	带远程油箱/ with Long Range Fuel Tank	基准后 2.55m/2.55 m behind Datum		
最大行李/Maximum Baggage	后排座椅后 30 kg (66.14 lb)/ 30 kg (66.14 lb) behind rear seats 带行李扩展时 45 kg (99.2 lb)/ 45 kg (99.2 lb) with Baggage Extension 行李舱中 5 kg (11.02 lb) /5 kg (11.02 lb) in baggage Tube			
参考基准/Reference Datum	机翼对接前缘处 2.194m/ 2.194m in front of leading edge of wing stub at the wing joint			
最大乘员数/Maximum Occupants	4 (包括飞行员/includes pilot)			
飞行载荷系数/Flight Load Factors	<u>正常类/Normal Category</u>	在 V_A /at V_A	在 V_{NE} /at V_{NE}	襟翼在起飞或着陆 With flaps in T/O or LDG
	正载荷/ Positive	3.8	3.8	2.0
	负载荷/Negative	-1.52	0	
	<u>实用类/Utility Category</u>			

	正载荷/ Positive	4.4	4.4	2.0
	负载荷/ Negative	-1.76	-1	
最大使用高度/Maximum Operating Altitude	5000 m (16404 ft)			
运行能力	昼间目视/Day-VFR 夜间目视/Night VFR IFR 禁止进入预计或真实结冰条件飞行/Flight into expected or actual icing conditions is prohibited			
TCCA 合格审定基础 TCCA Certification Basis:	AWM523, 更改 523-4, 1996 年 9 月 1 日, 加上 FAR 23 修正案 23-46 和 23-48 到 23-52。通过在 AWM523 中引用来采纳, 1997 年 6 月 30 日生效(NPA 97-168) AWM523, Change 523-4, 1 September 1996, Plus FAR 23 amendments 23-46 and 23-48 to 23-52 inclusive, adopted by reference in AWM 523, effective 30 June 1997 (NPA 97-168). <u>EASA 专用条件/EASA Special Conditions</u> CRI F-01 高强度辐射场作用下的保护/ Protection from the Effects of HIRF CRI F-03 闪电影响与间接影响防护/ Protection from the Effects of Lightning Strikes, Indirect Effects CRI O-01 滑翔机牵引/Glider Towing CRI O-02 牵引索回收机构/ Tow Cable Retraction Mechanisms <u>环境标准/Environmental Standards:</u> AWM516, 第 2 版更改 (更名为更改 516-05), 1998 年 2 月 8 日。 AWM516, Change 2 nd Edition (renamed Change 516-05), dated 8 February 1998.			
CAAC 认可审定基础/CAAC Validation Certification Basis	CAAC 的认可审定基础由 TCCA 的审定基础和 CAAC 附加技术条件组成。 The CAAC Validation Certification Basis consists of the TCCA certification basis and the CAAC additional technical conditions. <u>CAAC 附加技术要求/CAAC Additional Technical Conditions</u> 用于警告乘客或地面救援人员舱门位置和打开方法的标记标牌必须满足中文要求 /All literal marking and placards on an airplane used for indicating passengers or outboard rescue personnel of the location of doors and their means of opening must be at least in Chinese language.			
批准的构型/Approved Configuration	Doc. No. D40-AW-0121, 最新版/latest revision			
批准的出版物/Approved Publications	1. 飞机飞行手册文件号 6.01.01-E /Airplane Flight Manual Doc. No. 6.01.02-E 2. 飞机维修手册文件号 6.02.01/Airplane Maintenance Manual Doc No. 6.02.01			

中文标牌和标识

Chinese Placards and marking

DAI 只使用象形图向乘客或者舱外救援人员指示舱门位置和打开方式，文件编号 D41-1120-20-00。内容不包含英文，所以不需要中文标牌。

DAI uses only pictogram for indicating passengers or outboard rescue personnel the location of doors and means of opening, document No.D41-1120-20-00. No descriptive text in English language is required, so no Chinese language placards are required.

IV .型别/Model: DA 40 NG

一、产品型别和批准日期/THE PRODUCT MODEL AND APPROVAL DATE

1.型号、衍生型或型别 Type /

Variant or Model

- (a) 型号/Type DA 40
(b) 型别/ Model: DA 40 NG
(c) 衍生/Variant: --

2.适航类别

Airworthiness Category

3.TCCA 批准日期 2017 年 11 月 15 日/15 November 2017

TCCA Approved date:

4.CAAC 批准日期 2011 年 8 月 29 日/29 August 2011

CAAC Approved date:

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

发动机 Austro Engine E4 型发动机，见注释 7/Austro Engine E4, see Note 7，发动机型号合格证数据单 EASA E.200，CAAC 发动机型号认可证数据单 VTC0252E 版次 0
Engine Austro Engine E4, Engine Type Certificate Data Sheet EASA E.200, CAAC Validation of Type Certificate Data Sheet VTC0252E Revision 0

发动机使用限制	HP	KW	RPM
Engine Operating Limits			
最大起飞/Max Take-off	165	123.5	2300
最大连续/Max Continuous	152	114	2100

螺旋桨和螺旋桨限制 MT-Propeller MTV-6-R/190-6 螺旋桨，EASA 螺旋桨型号合格证数据单 P.094，
Propeller and propeller limits CAAC 螺旋桨型号认可证数据单 VTC0254P 版次 1
MT-Propeller MTV-6-R/190-6，EASA Propeller Type Certificate Data Sheet P.094，
CAAC Propeller Validation of Type Certificate Data Sheet VTC0254P Revision 1.
直径/Diameter: 1900 毫米（6 英尺 2.75 英寸）/1900 mm (65 ft 2.75 in.)

空速限制	V _{NE}	172 KIAS
Airspeed Limits		
	V _{NO}	130 KIAS
	V _A	
	1080kg 以下	101 KIAS
	1080kg 到 1180kg	108 KIAS
	1180kg 以上	113 KIAS

最大重量	起飞/Take-off	1280kg (2822lb)
Maximum Weights		1310kg (2888lb)（见注释 6/See NOTE 6）
	着陆/Landing	1216 kg (2681lb)
		1280kg (2822lb)（见注释 6/See NOTE 6）
	最小飞行/Minimum Flight	940kg (2072lb)
	最大零燃油/Maximum Zero Fuel	1200 kg (2646 lb)

测平方式 Leveling Means	楔比 600:31 背鳍前部的机身管舱上部表面/wedge 600:31 top surface of fuselage tube in front of dorsal fin	
燃油容量 Fuel Capacities	标准油箱/Standard Fuel Tank	
	可用/Usable	106.0 升/liters (28.0 美国加仑/US Gallon)
	总共/Total:	113.6 升/liters (30.0 美国加仑 /US Gallons)
	远程油箱/Long Range Fuel Tank	
	可用/Usable	147.6 升/liters (39.0 美国加仑 /US Gallons)
	总共/Total	155.2 升/liters (41.0 美国加仑 /US Gallons)
滑油容量 Oil Capacities	最小/Min	5.0 升 (5.3 美夸脱) /liters (5.3 US qts)
	最大/Max	7.0 升 (7.4 美夸脱) /liters (7.4 US qts)
适用的序列号 Serial Numbers Eligible	D4.111, D4.365, 40.N001 及其以后 (40.N183 至 40.N187, 40.N189 至 40.N211, 40.N213 至 40.N223, 40.N228 至 40.N234 和 40.N340 至 40.N344 除外)	
	40.NS001 和 40.NS002	
	40.NC001 及其以后	
	Diamond Aircraft Industries GmbH 制造的系列号为 40.080, 40.084, D4.001 及其以后的 DA 40 D 飞机可能通过 DAI 批准的服务通告 D4-080 更改为 DA 40 NG 型。	
	D4.111, D4.365, 40.N001 and subsequent (except 40.N183 through 40.N187, 40.N189 through 40.N211, 40.N213 through 40.N223, 40.N228 through 40.N234 and 40.N340 through 40.N344)	
	40.NS001 and 40.NS002	
	40.NC001 and subsequent	
	DA 40 D airplanes with Serial Numbers 40.080, 40.084, D4.001 and subsequent produced by Diamond Aircraft Industries GmbH may be converted to Model DA 40 NG by DAI approved Service Bulletin D4- 080.	
燃油/Fuel	航空煤油, 批准的燃油规范见 AFM 第 2 章。	
	柴油 (EN 590) (见注释 8)。	
	Jet – Refer to AFM Section 2 for approved fuel specifications.	
	Diesel (EN 590) (See NOTE 8).	
滑油/Oil	发动机/engine: Shell Helix Ultra 5W30 and 5W40	
	齿轮箱/Gearbox: Shell SPIRAX GSX or S6 GXME 75W-80	
重心限制/C.G. Limits	前限/Forward limit:	
	从 980 到 1080kg/From 980 to 1080 kg	基准后 2.40m/2.40 m behind Datum
	在 1310k g/ at 1310 kg	基准后 2.469 m /2.469m behind Datum
	中间随质量线性变化/varying linearly with mass in between	
	后限制 Rear limit	基准后 2.53m/2.53 m behind Datum
最大行李/Maximum Baggage	后排座椅后 30 kg (66.14 lb)/ 30 kg (66.14 lb) behind rear seats	

	带短的行李扩展时 15kg (33.1 lb)/ Short Baggage Extension 15 kg (33.1 lb) (见注释 4/See NOTE 4)			
	带行李扩展时 45 kg (100 lb)/ with Baggage Extension 45 kg (99.2 lb) (见注释 4/See NOTE 4)			
	行李舱中 5 kg (11.02 lb) /5 kg (11.02 lb) in baggage Tube			
参考基准/ Reference Datum	机翼对接前缘处 2.194m (86.378 in) 2.194m (86.378 in) in front of leading edge of stub-wing at the wing joint			
最大乘员数/Maximum Occupants	4 (包括飞行员/includes pilot)			
飞行载荷系数/Flight Load factors		在 V_A /at V_A	在 V_{NE} /at V_{NE}	起飞或着陆使用襟翼时 With flaps in T/O or LDG
	正载荷/Positive	3.8	3.8	2.0
	负载荷值/Negative	-1.52	0	
最大使用高度/Maximum Operating Altitude	5000 m (16404 ft)			
运行能力/Operational Capability	昼间目视/Day-VFR 夜间目视/Night VFR IFR 禁止在预计或真实结冰条件下飞行/Flight into expected or actual icing conditions is prohibited			
TCCA 合格审定基础 TCCA Certification Basis:	AWM 523, 更改 523-4, 1996 年 9 月 1 日, 加上 FAR 23 修正案 23-46 和 23-48 到 23-52。通过在 AWM 523 中引用来采纳, 1997 年 6 月 30 日 (NPA 97-168) AWM523, Change 523-4, 1 September 1996, Plus FAR 23 amendments 23-46 and 23-48 to 23-52 inclusive, adopted by reference in AWM 523, effective 30 June 1997 (NPA 97-168).			
	<u>EASA 专用条件/EASA Special Conditions</u>			
	CRI E-05 活塞发动机使用喷气燃油/Reciprocating Engine using Jet Fuel			
	CRI E-06 柴油和柴油/喷气燃油混合的活塞发动机使用/Use of Diesel Fuel and Diesel/Jet Fuel Blends for Reciprocating Engines			
	CRI E-09 发动机振动等级/Engine Vibration Level			
	CRI E-10 发动机扭矩/Engine Torque			
	CRI F-01 高强度辐射场作用下的防护/Protection from the Effects of HIRF			
	CRI F-03 闪电影响与间接影响的防护/Protection from the Effects of Lightning Strikes, Indirect Effects			
	CRI F-06 FADEC 柴油发动机和螺旋桨的安装/Installation of a FADEC Diesel Engine and Propeller			
	CRI F-07 综合航电系统的人为因素/Human Factors in Integrated Avionic Systems			
	CRI F-08 软件、硬件保证水平和高度集成或复杂航空器系统/Software, Hardware Assurance Level and Highly, Integrated or Complex Aircraft System			

EASA 等效安全/EASA Equivalent Level of Safety Findings

CRI D-01 单杆功率控制/Single Lever Power Control

CRI E-07 冷却水箱/Coolant Tank

CRI E-08 电控柴油活塞发动机/Electronically-controlled Reciprocating Diesel Engine

CRI E-11 燃油系统-热燃油温度/ Fuel System - Hot Fuel Temperature

CRI E-12 电动燃油泵/Electric Fuel Pumps

CRI B-01 失速告警/Stall Warning

CRI F-05 动力装置仪表/Powerplant Instruments

环境标准/Environmental Standards

AWM516, 更改 516-08, 2007 年 3 月 8 日生效。/AWM516, Change 516-08, effective March 8, 2007.

CAAC 认可审定基础/CAAC
Validation Certification Basis

CAAC 的认可审定基础由 TCCA 的审定基础和 CAAC 附加技术条件组成。

The CAAC Validation Certification Basis consists of the TCCA certification basis and the CAAC additional technical conditions.

CAAC 附加技术要求/CAAC Additional Technical Conditions

用于警告乘客或地面救援人员舱门位置和打开方法的标记标牌必须满足中文要求。/All literal marking and placards on an airplane used for indicating passengers or outboard rescue personnel of the location of doors and their means of opening must be at least in Chinese language.

燃油符合中国航空燃油 3 号喷气燃油 (GB-6537-2006)。/Fuel conforms to China Aviation No.3 JET FUEL (PRC National Standard GB-6537-2006)

批准的构型/Approved
Configuration

Doc. No. D40-AW-0130, 最新版/latest revision.

批准的俄出版物/Approved
Publications

1. 飞机飞行手册文件号 6.01.15-E /Airplane Flight Manual Doc No. 6.01.15-E
2. 飞机维修手册文件号 6.02.15/Airplane Maintenance Manual Doc No. 6.02.15

中文标牌和标识
Chinese Placards and marking

DAI 只使用象形图向乘客或者舱外救援人员指示舱门位置和打开方式, 文件编号 D44-1130-20-00。内容不包含英文, 所以不需要中文标牌。

DAI uses only pictogram for indicating passengers or outboard rescue personnel the location of doors and means of opening, document No. D44-1130-20-00. No descriptive text in English language is required, so no Chinese language placards are required.

V. 除非特别指出, 适用于所有型别的数据/Date Pertinent to All Models Except as Indicated

注释 1/NOTE 1

型号合格证持有人记录/Type Certificate Holder Record

自 2017 年 11 月 15 日生效, DA 40、DA 40 F、DA 40 D 和 DA 40 NG 型的设计责任从 Diamond Aircraft Industries GmbH 和 EASA 转让到 Diamond Aircraft Industries Inc.和加拿大运输部。作为转换的结果, TCCA 的 TCDS A-244 重新颁发, 版本为 8。这个版本 8 的 TCDS 的内容来自转让正要发生之际的有效的 EASA TCDS, EASA.A.022 版本 22。/Effective November 15, 2017 the design responsibility for the model DA 40, DA 40 F, DA 40 D and DA 40 NG was transferred from Diamond Aircraft Industries GmbH and EASA to Diamond Aircraft Industries Inc. and Transport

Canada. TCDS A-244 was re-issued at Issue 8 as a result of the transfer. The information on this TCDS at Issue 8 was derived from the EASA TCDS in effect for these models immediately prior to the transfer, EASA.A.022 at Issue 22.

注释 2/NOTE 2

制造人记录/Manufacturer Record

以下序列号由 Diamond Aircraft Industries GmbH 作为型号合格证持有人制造:

DA40	40.006 至 40.083, 不包括 40.010 和 40.080。
DA40D	40.080, 40.084, D4.001 至 D4.399, 不包括 D4.013, D4.111, D4.198 至 D4.201, D4.246, D4.362, D4.365, D4.379, D4.380, D4.383 至 D4.388, D4.390, D4.391 和 D4.393 至 D4.398
DA 40 NG	D4.111, D4.365 和 40.N011 至 40.N366, 不包括 40.N183 至 40.N187, 40.N189 至 40.N211, 40.N213 至 40.N223, 40.N228 至 40.N234 和 40.N340 至 40.N344

以下序列号是 Diamond Aircraft Industries GmbH 为型号合格证持有人时, 由 Diamond Aircraft Industries Inc. 通过权益转让协议制造:

DA 40: 40.201 至 40.1208, 不包括 40.213
 DA 40 F: 40FC001 至 40.FC029
 DA 40 NG: 40.NC001 和 40.NC002

以下序列号是 Diamond Aircraft Industries GmbH 为型号合格证持有人时, 由山东滨奥飞机工业有限公司通过权益转让协议制造:

DA 40 D: 40.DS001 至 40.DS175, 不包括 40DS173
 DA 40 NG: 40.NS001 和 40.NS002

The following serial numbers were manufactured by Diamond Aircraft Industries GmbH as the type certificate holder:

DA40	40.006 through 40.083, excluding 40.010 and 40.080
DA40D	40.080, 40.084, D4.001 through D4.399, excluding D4.013, D4.111, D4.198 through D4.201, D4.246, D4.362, D4.365, D4.379, D4.380, D4.383 through D4.388, D4.390, D4.391 and D4.393 through D4.398
DA 40 NG	D4.111, D4.365, and 40.N011 through 40.N366, excluding 40.N183 through 40.N187, 40.N189 through 40.N211, 40.N213 through 40.N223, 40.N228 through 40.N234 and 40.N340 through 40.N344

The following serial numbers were manufactured by Diamond Aircraft Industries Inc. under license while Diamond Aircraft Industries GmbH was the type certificate holder:

DA 40: 40.201 through 40.1208 inclusive, excluding 40.213
 DA 40 F: 40FC001 through 40.FC029 inclusive
 DA 40 NG: 40.NC001 and 40.NC002

The following serial numbers were manufactured by Shandong Bin Ao Aircraft Industries Co. Ltd. under license while Diamond Aircraft Industries GmbH was the type certificate holder:

DA 40 D: 40.DS001 through 40.DS175, excluding 40DS173

DA 40 NG: 40.NS001 and 40.NS002

注释 3/NOTE 3

以下 ACG 适航指令由奥地利民航局 (Austro Control) 在 EASA 承担 DA 40 型飞机的责任之前颁发, 并且保持有效: /The following ACG Airworthiness Directives were issued by Austro Control prior to EASA assuming responsibility for the Model DA 40 and remain in effect:

DA40

112	115
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以下 EASA 适航指令在设计责任转让之前颁发并且适用于转让的产品: /The following EASA Airworthiness Directives were issued prior to the transfer of the design responsibility and are applicable to the transferred products:

DA40

2013-0145	2010-0253R1	2009-0016
2008-0224	2006-0295-E	2006-0067

DA40F

2013-0145	2010-0253R1	2009-0016
2008-0224		

DA40D

2017-0086	2016-0126	2012-0024R1
2013-0145	2012-0180	2010-0253R1
2009-0016	2008-0114	2006-0295-E
2006-0067	A-2004-002	

DA40NG

2016-0203	2016-0190	2013-0018
2012-0180		

注释 4/NOTE 4

DA 40: DA 40, DA 40 D 和 DA 40 F/DA 40: DA 40, DA 40 D and DA 40 F

如果安装了行李扩展, 选装的设计更改 OAM 40-163, 增加的行李载荷适用。/The increased baggage load is applicable if the baggage extension, Optional Design Change OAM 40-163 is installed.

DA40NG

如果安装了选装的设计更改 OAM 40-331, 短行李扩展中的行李载荷适用。/The baggage load in the short baggage extension is applicable if Optional Design Change OAM 40-331 is installed.

如果安装了行李扩展, 选装的设计更改 OAM 40-164, 45kg (99.2lb)的增加行李载荷适用。/The increased baggage load of 45 kg (99.2lb) is applicable if the baggage extension, Optional Design Change OAM 40-164, is installed.

注释 5/NOTE 5

DA40

对于夜间 VFT 运行, 必须安装选装设计更改 OAM 40-064。/For Night VFR operation

the Optional Design Change OAM 40-064 must be incorporated.

对于 IFA 运行, 必须安装选装设计更改 OAM 40-067。/For IFR operation the Optional Design Change OAM 40-067 must be incorporated.

DA40D

对于 IFR 运行, 必须安装选装设计更改 OAM 40-136 或 OAM 40-193。/For IFR operation the Optional Design Change OAM 40-136 or OAM 40-193 must be incorporated.

DA40F

如果安装了选装设计更改OAM 40-201, DA40F按有意尾旋审定。以下附加限制/条件适用: /The DA40F is certified for intentional spinning if Optional Design Change OAM 40-201 is installed. The following additional Limitations/Conditions apply:

- 重心范围2,45 - 2,50 m /Center of Gravity Range 2,45 - 2,50 m
- 最大燃油载荷2x38升(2x10加仑) /Maximum fuel loading 2x38litres (2x10gal)
- 必须安装顶舱盖抛放系统OAM 40-203/ Canopy Jettison System OAM 40-203 must be installed
- 必须安装MT螺旋桨MT 188R135-4G/ MT-Propeller MT 188R135-4G must be installed
- 升降舵必须安装OAM 40-201设置/ Elevator settings must be according to OAM 40-201
- 不得安装长航程油箱/ Long Range Tank must not be installed
- 不得安装机轮整流罩/ Wheel fairings must not be installed
- 不允许有行李/Baggage is not allowed

注释 6/NOTE 6

DA40

只有安装了强制设计更改MAM 40-227和按MAM 40-123最大着陆重量1150 kg (2535lb)的主起落架支柱或按选装设计更改OAM 40-283的高MLG支柱, 最大起飞重量1200kg (2646lb)才被批准。、 The maximum take-off weight of 1200kg (2646lb) is only approved if Mandatory Design Change MAM 40-227 and a main landing gear strut per MAM 40-123 maximum landing weight of 1150 kg (2535lb) or the tall MLG strut in accordance to Optional Design Change OAM 40-283 is installed.

只有安装了强制设计更改MAM 40-123或按照选装设计更改OAM 40-283安装了高MLG支柱, 着陆重量1150 kg (2535lb)才被批准。/The landing weight of 1150 kg (2535lb) is only approved with Mandatory Design Change MAM 40-123 or the tall MLG strut in accordance to Optional Design Change OAM 40-283 installed.

DA 40 D和DA 40 F/DA 40 D and DA 40 F

只有安装了强制设计更改MAM 40-123, 着陆重量1150 kg (2535lb)才被批准。/The landing weight of 1150 kg (2535lb) is only approved with Mandatory Design Change MAM 40-123 installed.

DA40NG

所指定的强制和选装设计更改安装后，以下设计重量（质量）组合被批准。
/The following design weight (mass) combinations are approved with the indicated Mandatory and Option Design Changes installed.

安装的设计更改 Installed Design Change	标准 Standard	MÄM 40-574 or OÄM 40-334	MÄM 40-662
MTOM	1280kg (2822 lb)	1280kg (2822 lb)	1310kg (2888 lb)
MZFM	1200kg (2646 lb)	1265kg (2789 lb)	1265kg (2789lb)
MLM	1216kg (2681 lb)	1280kg (2822 lb)	1280kg (2822 lb)

MTOM – 最大起飞质量（重量）/Maximum Take-Off Mass (Weight)

MZFM – 最大零燃油质量（重量）/Maximum Zero Fuel Mass (Weight)

MLM – 最大着陆质量（重量）/Maximum landing Mass (Weight)

注释 7/NOTE 7

DA40D

批准安装在DA 40 D上的发动机型别构型：/Approved engine model configuration for installation in the DA 40 D:

- TAE 125-01 125-01-(005)-()
- TAE 125-02-99 125-02-(0001)-()

发动机TAE 125-02-99曾作为TAE 125-02批准。/Engine TAE 125-02-99 was previously approved as TAE 125-02

对于TAE 125-01或TAE 125-02-99批准的发动机软件版本（固件和映射），见DAI服务通告MSB D4-044最新版本。/For approved engine software version (Firmware and Mapping) of TAE 125-01 or TAE 125-02-99 see DAI Service Bulletin MSB D4-044, latest issue.

从TAE 125-01到TAE 125-02-99发动机的发动机改装安装由强制设计更改MAM 40-256和选装服务通告OSB D4-061批准。/Engine retrofit installation from engine TAE 125-01 to TAE 125-02-99 is approved by Mandatory Design Change MAM 40-256 with Optional Service Bulletin OSB D4-061.

DA40NG

批准安装于DA 40 NG上的发动机型别构型：E4-A。/Approved engine model configuration for installation in the DA 40 NG: E4-A

批准的E4发动机软件版本见DAIC服务通告40NG-002最新版。/For approved E4 engine software version see DAIC Service Bulletin 40NG-002, latest issue.

注释 8/NOTE 8

只有安装了强制设计更改MAM 40-129，才批准DA 40 D使用柴油运行。
/Operation of DA 40 D with Diesel fuel is only approved if Mandatory Design Change MAM 40-129 is incorporated.

只有安装了选装的设计更改OAM 40-370，才批准DA 40 NG使用柴油运行。
Operation of DA 40 NG with Diesel fuel is only approved, if Optional Design Change OAM 40-370 is installed.

注释 9/NOTE 9

DA40

对于滑翔机牵引运行，必须安装选装的设计更改OAM 40-063。/For glider

towing operation the optional design change Optional Design Change OAM 40-063 must be incorporated.

DA40NG

对于滑翔机牵引运行，必须安装选装的设计更改OAM 40-312。

For glider towing operation the optional design change Optional Design Change OAM 40-312 must be incorporated