

型号认可数据单

THE VALIDATION DATA SHEET

编号/No: VTC0258A

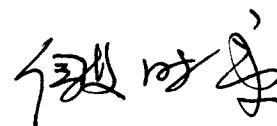
版次/Revision: 0

型号/Type:

DA 42 M

DA 42 M-NG

批准人/Approved By:



日期/Data: 2011-6-23

本数据单是型号认可证（编号：VTC0258A）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: VTC0258A), 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 GmbH

N.A. Otto-Str.5 A-2700 Wiener Neustadt

Austria

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	16
版次/Revision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
页数/Pages	17	18	19	20												
版次/Revision	0	0	0	0												

第 1 部分

SECTION 1

1.1. 概述/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/Number: VTC0258A 版次/ Revision: 0 日期/Date: 2011-6-23	编号/Number: A.513 版次/ Revision: Issue 11 日期/Date: 26-Apr-2011
历史 History	编号/Number:	
	版次/ Revision:	
	日期/Date:	

2. 类别/Category:

限制类航空器/ Restricted Category

3. 认可当局/Validation Authority:

中国民用航空局/CAAC

审定当局/Certifying Authority:

欧洲航空安全局/EASA

4. EASA 合格证

型号合格证 Type Certificate Number:

EASA.A.513

型号合格证持有人/Type Certificate Holder:

Diamond Aircraft Industries GmbH

N.A. Otto-Str. 5 A-2700 Wiener Neustadt

AUSTRIA

5. 申请 CAAC 认可审定的日期

2010-05-15

Date of Application for CAAC Validation:

6. CAAC 型号认可日期

2011-6-23

CAAC Validation Date:

1.II. CAAC 附加技术条件/CAAC additional technical conditions

1 CCAR21.29, Amendment Level: R3

2 环保标准/Environmental Standards Noise: CCAR-36-R1, dated 15 April 2007

3 用于告知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 markings 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.

4 燃油符合中国航空燃油 3 号喷气燃料 (GB-6537-2006);

Fuel conforms to China Aviation No.3 JET FUEL (PRC National Standard GB-6537-2006);

5 进口要求/Import Requirements

为具备在中国运行的资格,按本型号认可证制造的每架航空器必须具有一份出口适航证,其上签注有出口国适航当局的审定声明(用英文),即:本架航空器符合 CAAC 所批准的型号设计(VTC0258A)并处于可安全运行的状态。
To be considered eligible for operation in China, each aircraft manufactured under this Validation of Type Certificate must be accompanied by a certificate of airworthiness for export endorsed by EASA or EASA authorized person which states (in English language): This aircraft conforms to its CAAC type design (VTC0258A) and is in a condition for safe operation.

6 产品有效性/Series Nos. Eligible (Note 1)

对于申请 CAAC 审定的每一架飞机,其出口适航证都必须由 EASA 按上述“进口要求”予以签注。
A EASA Certificate of Airworthiness for export endorsed as noted below under “Import Requirements” must be submitted for each individual airplane for which application for the CAAC certification.

7 资料批准/Service Information

CAAC 接受的服务通告、结构修理手册、航空器飞行手册、供应商手册和航空器维护手册等使用维护资料应经 EASA 批准, EASA 的这些批准代表了 CAAC 的批准,且仅限于本型号设计。

Service bulletins, structural repair manuals, aircraft flight manuals, vender manuals, and aircraft maintenance manuals which contain a statement that the document is EASA approved, are accepted by the CAAC and are considered CAAC-approved. These approvals pertain to the type design only.

第 2 部分 SECTION 2

DA 42 M

2.I. 概述/General

数据单号/Data Sheet No.: EASA A.513

- | | |
|---|--|
| 1. a) 型号/Type | DA 42 M |
| b) 型别/Variant | N/A |
| 2. 适航类别/Airworthiness Category: | Restricted / 限用类 |
| 3. 型号合格证持有人/Type Certificate Holder | Diamond Aircraft Industries GmbH
N.A. Otto-Str. 5
A-2700 Wiener Neustadt
Austria |
| 4. 制造商/Manufacturer: | Diamond Aircraft Industries GmbH
N.A. Otto-Str. 5
A-2700 Wiener Neustadt,
Austria |
| 5. EASA 型号审查申请日期/EASA Certification Application Date: | 01-June-2006 |
| 6. 保留/reserved | |
| 7. EASA 型号审查日期/EASA Type Certification Date: | 14-Dec-2007 |

2.II. 审定基础/ EASA Certification Basis

- | | |
|---|---|
| 1. 确定申请人需求的参考日期/Reference Date for determining the applicable requirements: | 02-Apr-2002 |
| 2. 适航需求/Airworthiness Requirements: | JAR-23, 修订 1, 2001 年 2 月 1 日发布
JAR-23, Amendment 1, issued 01 February 2001
JAR-1, 更改 5,, 1996 年 7 月 15 日发布
JAR-1, Change 5, issued 15-Jul-1996 |
| 3. 专用技术条件/ Special Conditions: | CRI D-02, 可调式升降舵止动点
CRI D-02, Variable Elevator Stop
CRI E-02, 往复式发动机上使用航空煤油
CRI E-02, Use of Jet Fuel for Reciprocating Engines
CRI E-03, 往复式发动机上使用柴油
CRI E-03, Use of Diesel Fuel for Reciprocating Engines
CRI E-06, 发动机振动水平
CRI E-06, Engine Vibration Level
CRI E-07, 发动机扭矩
CRI E-07, Engine Torque
CRI F-01, HIRF 防护
CRI F-01, Protection from the Effects of HIRF
CRI F-03, 闪电间接影响防护
CRI F-03, Protection from the Effects of Lightning Strikes, Indirect Effects |

	CRI F-05 全权数字发动机控制(FADEC)式往复式柴油发动机及螺旋桨的安装
	CRI F-05, Installation of FADEC reciprocating Diesel engine and propeller
	CRI F-07, 集成航电系统的人机要素
	CRI F-07, Human Factors in Integrated Avionic System
	CRI F-08 任务设备资格要求
	CRI F-08 Equipment Qualification for Mission Equipment
	CRI F-09 任务设备安全规定
	CRI F-09 Safety Provisions for Mission Equipment
4. 豁免 Exemptions	N/A
5. 偏离 Deviations:	N/A
6.等效安全/ Equivalent Safety Findings:	CRI D-01, 单杆动力控制
	CRI D-01, Single Lever Power Control
	CRI E-04, 液冷 - 冷却液罐
	CRI E-04, Liquid Cooling - Coolant Tank
	CRI E-05, 电子控制 - 往复式柴油机
	CRI E-05, Electronically-controlled Reciprocating Diesel Engine
	CRI E-08, 燃油系统 - 热燃油温度
	CRI E-08, Fuel System - Hot Fuel Temperature
	CRI F-04, 动力装置仪表
	CRI F-04, Power plant Instruments
	CRI B-03, 结冰条件下的失速速度
	CRI B-03, Stall Speed in Icing Conditions
	CRI F-10 自动电力负荷卸载
	CRI F-10, Automatic Electric Load Shedding
7. 选出的符合性要求/ Requirements elected to comply:	N/A
8.环境标准/ Environmental Standards:	CS 36, ICAO, Annex 16, Volume 1, Fourth Edition, Chapter 10
9. 保留(Reserved)	N/A
10. 保留(Reserved)	N/A

2.III. 技术特性和运行限制/Technical Characteristics and Operational Limitations

- | | |
|-----------------------------------|---|
| 1. 型号设计定义/Type Design Definition: | 当前有效 文档编号 7.07.00, V002/ 7 章
Current issue of Doc. No. 7.07.00, Chapter V002/ 7 |
| 2. 描述/Description: | 双发, 四座悬挂式下单翼机, 符合材料结构, 可收放式三轮起落架, T 型尾翼
飞机设有安装多种任务设备接口
Twin engine, four-seated cantilever low wing airplane, composite construction, retractable tricycle landing gear, T-tail.
The airplane is equipped with provisions for installation of various mission equipment. |
| 3. 设备/Equipment: | 设备列表, AFM 文档编号 7.01.05 或 7.01.06 章节 6 及 AFM 补充手册 M00 |

见注 7

Equipment list, AFM, Doc. No. 7.01.05 or 7.01.06, Section 6, and AFM Supplement M00

See Note 7

4. 几何尺寸/Dimensions:

翼展/Span	13.42 m	(44 ft 0 in)
长/Length	8.56 m	(28 ft 1 in)
高/Height	2.49 m	(8 ft 2 in)
机翼面积/Wing Area	16.29 m ²	(175.3 sqft)

5. 发动机/Engines:

5.1.1 型号 Model: 2 台 Thielert TAE 125-02-99/2 Thielert TAE 125-02-99

5.1.2 型号合格证 Type Certificate: EASA 发动机型号合格证数据单 E.055

EASA Engine Type Certificate Data Sheet E.055

5.1.3 限制/ Limits: 最大起飞转速/Max take-off rotational speed 2300 r.p.m.

最大连续转速/Max continuous rotational speed 2300 r.p.m.

(螺旋桨轴 r.p.m.) /(Propeller shaft r.p.m.)

动力装置限制参见 AFM, 文档号 7.01.05 或 7.01.06 第二章/

For power-plants limits refer to AFM, Doc. No. 7.01.05 or 7.01.06, Section2

6. 载荷系数 Load factors: at vA at vNE with flaps in T/O or LDG position

正 Positive 3.8 3.8 2.0

负 Negative -1.52 0

7. 螺旋桨/Propellers:

7.1 型号 Model: 2 MT-Propeller MTV-6-A-C-F/CF187-129

7.2 型号合格证 Type Certificate: EASA 螺旋桨型号合格证数据单 P.094

EASA Propeller Type Certificate Data Sheet P.094

7.3 数量 Number 3

7.4 尺寸 Diameter 1870 mm

7.5 旋转方向 Sense of Rotation: CW

7.6 设置/Settings 低桨距设置/Low pitch setting: 12°

顺桨/Feather position 81°

启动锁定/Start Lock 15°

8. 液体/Fluids:

8.1 燃油/Fuel: Jet A-1(ASTM 1655) 见 注 6

Diesel(EN 590) 见 注 5

Jet A-1 (ASTM 1655) see Note 6

Diesel (EN 590) see Note 5

8.2 滑油/Oil: 发动机/engine 壳牌 Helix Ultra 5W30 合成机油 API SJ/CF
或参见 AFM, 文档号 7.01.05 或 7.01.06, 第二章
Shell Helix Ultra 5W30 synthetic API SJ/CF

or see AFM, Doc. No. 7.01.05 or 7.01.06, Section 2

齿轮箱/Gearbox 壳牌 EP75W90 API GL-4

或参见 AFM, 文档号 7.01.05 或 7.01.06, 第二节

Shell EP 75W90 API GL-4

or see AFM, Doc. No. 7.01.05 or 7.01.06, Section 2

8.3 冷却剂/Coolant: 水/冷却器防护液

更多细节参见 AFM, 7.01.05 或 7.01.06, 第二节

8.4 防冰液/Ice Protection Fluids

Water / Cooler Protection

for more details see AFM, 7.01.05 or 7.01.06, Section 2

AL-5(DTD 406B)或 Aeroshell Compound 07

更多细节参见 AFM, 7.01.05 或 7.01.06, 增补 S03

AL-5 (DTD 406B) or Aeroshell Compound 07

for more details see AFM, 7.01.05 or 7.01.06, Suppl. S03

9.液体容量/Fluid capacities

9.1 燃油/Fuel: 标准油箱/

Standard Fuel Tank

辅助油箱/

Auxiliary Fuel Tank

9.2 滑油/Oil 每台发动机/each engine

9.3 冷却系统容量 Coolant system capacity

总共/Total 196.8 升/liters 52 US Gallons

可用/Usable: 189.2 升/liters 50 US Gallons

总共/Total 104 升/liters 27.4 US Gallons

可用/Usable: 100 升/liters 26.4US Gallons

最大/Maximum: 6.0 升/liters 6.3 qts

最小/Minimum: 4.5 升/liters 4.8 qts

约 7 升 Approx. 7 liters

10. 空速/Air Speeds:

设计机动速度 V_A /

Design Manoeuvring Speed V_A

襟翼放下速度 V_{FE} /

Flap Extended Speed V_{FE}

最大起落架使用速度 V_{LO} /

Maximum Landing Gear Operation Speed V_{LO}

最大起落架放下速度 V_{LE} /

Maximum Landing Gear Extended Speed V_{LE}

最小操纵速度 V_{MC} /

Minimum Control Speed V_{MC}

最大结构巡航速度 V_{NO}

(=最大结构设计速度 V_C) /

Maximum structural cruising speed V_{NO}

(= Maximum structural design speed V_C)

极限速度 V_{NE} /

Never exceed speed V_{NE}

小于 1542kg /up to 1542 kg 119 KEAS

1542kg 以上/above 1542 kg 125 KEAS

进场/Approach 135 KEAS

着陆/Landing 110 KEAS

155 KEAS

192 KEAS

68 KEAS

155 KEAS

192 KEAS

11. 最大运行高度/Maximum Operating Altitude: 5486 m (18 000 ft)

12. 全天候能力/All weather Capability:

日/夜-VFR, IFR /

Day/Night - VFR, IFR

在已知或预计结冰条件下飞行, 参见注 4,7

Flights into known or forecast icing conditions See Note4,7

13. 最大重量/Maximum Masses:

起飞/Take-off

1785 kg(3935 lb)

零燃油/Zero Fuel

1650 kg(3638 lb)

1674 kg (3690 lb) OÄM 42-188 installed

1730 kg (3814 lb) OÄM 42-188 & -195 installed

着陆/Landing

1700 kg (3560 lb)

1785 kg (3935 lb) OÄM 42-195 installed

批准的重量构型见注 11/For approved Weight Configurations see Note 11

14. 重心范围/Centre of Gravity Range:

前部限制/Forward limit	1468 kg 以下/Up to 1468kg	基准后 2.35m/ 2.35m behind Datum
	当 1785 kg/At 1785 kg	基准后 2.4m/2.4m behind Datum
	重量间线性变化/Varying linearly with mass in between	
后部限制/Rear limit	当 1250 kg/At 1250 kg	基准后 2.42m/2.42m behind Datum
	当 1600kg 以上/At 1600kg	基准后 2.49m/2.49m behind Datum
	and above	
	重量间线性变化/Varying linearly with mass in between	
15. 基准/Datum:	2.196 m	短翼前沿机翼接头前 In front of leading edge of stub-wing at the wing joint
16. Control surface deflections:		
副翼/Aileron	后缘上 trailing edge up	25° ± 2°
	后缘下 trailing edge down	15° + 2/-0°
升降舵/Elevator	后缘上 trailing edge up	15.5° ± 0.5°
	后缘下 trailing edge down	13° ± 1°
升降舵配平调整片/Elevator Trim Tab	升降舵向上 10° 机头抬起 nose up at elevator 10° up	+ 17° ± 5°
	升降舵向下 10° 机头抬起 nose down at elevator 10° up	- 35° ± 5°
方向舵/Rudder	左 left	27° ± 1°
	右 right	29° ± 1°
方向舵配平调整片/Rudder Trim Tab	方向舵在左侧 20° 右侧配平 trim RH at rudder 20° LH	+ 34° ± 5°
	方向舵在左侧 20° 左侧配平 trim LH at rudder 20° LH	+ 18° ± 5°
襟翼/Flaps	巡航襟翼设定 Cruise flap setting	0° + 2°- 0°
	近进襟翼设定 Approach flap setting	20° + 4° - 2°
	着陆襟翼设定 Landing flap setting	42° + 3° - 1°
17. 测平方式/Leveling Means:	前行李舱地板水平/floor of front baggage compartment leveled	
18. 最小飞行机组/Minimum Flight Crew:	1 (飞行员/Pilot)	见注 9/see Note 9
19. 最多成员座位数/ Maximum Passenger Seating Capacity:	3	见注 9/see Note 9
20.行李舱/货舱	见注 8/see Note 8	
Baggage/Cargo Compartments		
位置/Location	最大允许负载/max. allowable Load	
前行李舱/Front Baggage Compartment	30 kg (66 lb)	
后排座位后/Behind Rear Seats	45 kg (100 lb)	
尾部行李扩展/Aft part of Baggage Extension	18 kg (40 lb)	
整个尾部行李舱/ Whole aft Baggage Compartment together	45 kg (100 lbs)	
21. 机轮与轮胎/Wheels and Tyres		
前轮轮胎尺寸/Nose Wheel Tyre Size	5.00 - 5	
最大轮胎尺寸/Main Wheel Tyre Size	15x6.0 -6	
22. 保留(Reserved):	N/A	
2.I.V. 操作及维护说明/Operating and Service Instructions		
1. 飞行手册	文件 No.7.01.05 或 7.01.06(带 OÄM 42-102, GFC 700 自动驾驶仪), 包括 AFM 补充 M00	
Flight Manual	Document No. 7.01.05 or 7.01.06 (with OÄM 42-102, GFC 700 Autopilot), including AFM Supplement M00	

2. 技术手册/Technical Manual

飞机维修手册(AMM)文件 No.7.02.01(含适航限制)服务信息和服务通告

Airplane Maintenance Manual(AMM)Document No.7.02.01(incl. Airworthiness Limitations) Service Information and Service Bulletins

3. 零备件目录 Spare Parts Catalogue:

Document No. 7.03.01

4.

仪表及数量: 参考 AMM Doc No. 7.02.01 Chapter 1

Instruments and aggregates: refer to AMM Doc. No. 7.02.01 Chapter 1

2.V. 注/Notes

1. 本合格证适用于系列号 42.005, 42.008, 42.157, 42.177, 42.191, 42.234, 42.247, 42.255, 42.262, 42.272, 42.282, 42.286, 42.293, 42.304, 42.319, 42.328 和系列号 42.M00 及后继系列. 所有按 DA 42 交付的这些系列号避居按操作服务通告 OSB42-056 改装以便符合 DA 42M 型号设计。

1. This certification applies to serial numbers 42.005, 42.008, 42.157, 42.177, 42.191, 42.234, 42.247, 42.255, 42.262, 42.272, 42.282, 42.286, 42.293, 42.304, 42.319, 42.328 and serial number 42.M001 and subsequent . All of these serial numbers initially delivered as a DA42 must be modified with Optional Service Bulletin OSB42-056 to comply with the DA42M type design.

2. 对批准的 Gamin G1000 集成航电系统软件版本见 DAI MSB 42-008, 最新版次。要求 Garmin PNo. 010-00370-15 或之后批准的版本软件。

2. For approved software versions of Gamin G1000 Integrated Avionic System see DAI MSB 42-008, at latest issue. Garmin Software PNo. 010-00370-15 or later approved version is required.

3.批准安装在 DA 42M 上的发动机型号: TAE 125-02-99 125-02-(0003)-()

批准的防火墙和影像依据 DAI MSB 42-007 最新版

3. Approved engine model for installation in the DA 42 M: TAE 125-02-99 125-02-(0003)-()

The approved firmware and mapping is according to DAI MSB 42-007 at latest issue.

4. 如果按主设计更改 OÄM 42-054 安装了液体防冰系统时, 可以在已知或预报结冰条件下飞行。适用于安装选装任务或任务设备附加限制, 见注 7。

4. Flights into known or forecast icing conditions is approved if the liquid fluid ice protection system in accordance to Major Design Change OÄM 42-054 is installed. Additional Limitations apply with Mission Options or Mission Equipment installed, see Note 7

5. 如果安装了主设计更改 MÄM 42-037, 可使用柴油燃料(EN 590)

5. The use of Diesel fuel (EN 590) is approved if Major Design Change MÄM 42-037 is installed.

6. 详细批准的喷气然来牌号见 AFM 第 2 章,

JET A (ASTM D 1655), 三号喷气燃料 (GB6537-94) 和 TS-1(GOST 10227-86)是批准的燃油牌号。

6. For the detailed approved Jet fuel types see AFM Section 2.

JET A (ASTM D 1655), Jet Fuel 3 (GB6537-94) and TS-1(GOST 10227-86) are approved fuel types.

7.基本型 DA 42M 不包括专用任务目的的接口, 以下是经批准的可用主设计更改, 是为完成特定任务安装任务设备而进行的更改。

7. The basic DA42 M does not include provisions for specific mission purposes. The following optional major design changes for specific missions as a provision for installation of mission equipment are approved.

OÄM 42-106 机腹吊舱/Belly Pod

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/Flights into known or forecast icing conditions prohibited
- 最大机腹吊舱负荷/Maximum load in the belly pod: 80 kg

- 最小飞行重量/Minimum flight mass: 1430 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 必须装有 AFM 和 AMM 补充页 M01/AFM and AMM Supplement M01 must be furnished

OÄM 42-107 通用机头/Universal Nose

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/Flights into known or forecast icing conditions prohibited
- 最大通用机头负荷/Maximum load in Universal Nose: 31 kg
- 最大地板下吊舱负荷/Maximum load in Under floor Pod: 20 kg
- 最小飞行重量/Minimum flight mass: 1430 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 必须装有 AFM 和 AMM 补充页 M03/AFM and AMM Supplement M30 must be furnished
- 装通用机头和（或）地板下吊舱最大操纵速度/

Maximum operating speed with Universal Nose and/or Underfloor Pod installed 130KEAS

OÄM 42-107/c 通用机头/Universal Nose

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/Flights into known or forecast icing conditions prohibited
- 最大通用机头负荷/Maximum load in Universal Nose: 65 kg
- 最大地板下吊舱负荷/Maximum load in Underfloor Pod: 20 kg
- 最小飞行重量/Minimum flight mass: 1430 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 最大后飞行重心 Most rearward flight CG: 2,436 m aft of Datum at 1430 kg
2,47 m aft of Datum at 1600 kg
2,47 m aft of Datum at 1785 kg
其间线性变化/Linear variation in between
- 必须装有 AFM 和 AMM 补充页 M130/AFM and AMM Supplement M130 must be furnished
- 装通用机头和（或）地板下吊舱最大操纵速度/

Maximum operating speed with Universal Nose and/or Underfloor Pod installed 160KEAS

OÄM 42-108 机头吊舱/Nose Pod

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/Flights into known or forecast icing conditions prohibited
- 最大机头吊舱负荷 Maximum load in Nose Pod: 85 kg

适用机头吊舱负荷可能需要在垂尾下面暗转配平重量 The use load in the Nose Pod may lead to Trim Weight installations in the lower vertical tail

- 最大后设备舱负荷/Maximum load in rear equipment compartment: 93 kg
- 最小飞行重量/Minimum flight mass: 1430 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 最大后飞行重心 Most rearward flight CG: 2,426 m aft of Datum at 1430 kg
2,46 m aft of Datum at 1600 kg
2,46 m aft of Datum at 1785 kg
其间线性变化/Linear variation in between

必须装有 AFM 和 AMM 补充页 M60/AFM and AMM Supplement M60 must be furnished

- 安装设备后最大操纵速度/Maximum operating speed with Equipment installed 160 KEAS

OÄM 42-208 Nose Pod with standard baggage compartment

- T he following additional Limitations apply:
- Flights into known or forecast icing conditions prohibited
 - Maximum load in Nose Pod: 85 kg
 - The use load in the Nose Pod may lead to Trim Weight installations in the lower vertical tail
 - Minimum flight mass: 1430 kg
 - Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
 - Most rearward flight CG:
 - 2,426 m aft of Datum at 1430 kg
 - 2,46 m aft of Datum at 1600 kg
 - 2,46 m aft of Datum at 1785 kg
 - Linear variation in between
 - AFM and AMM Supplement M160 must be furnished
 - Maximum operating speed with Equipment installed 160 KEAS

专用任务设备及其安装不在 DA 42 M 型号合格证中。

设备的安装必须按相关的 AMM 补充页及按 CRI F-08 “任务设备资格要求” 设备资格要求来批准。

任务主开关激活状态下的 IFR 飞行，以 OÄM 42-141 安装方式批准。

The specific mission equipment and its installations are not part of the DA42 M certification.

Installation must be approved using the relevant AMM Supplement and the qualification criteria of CRI F-08 “Equipment Qualification for mission equipment”

IFR Flights with mission master switch activated approved with OÄM 42-141 installed.

8. 安装任务设备后，可能对行李舱的装载有附加限制，这些限制包含在相关的飞行手册补充页中

8. Additional Limitations to the Baggage Compartment payload may apply after installation of mission equipment, these are included in the relevant Flight Manual Supplement

9. 当任务设备更改安装时，可能对机组、操作者或乘客有附加限制或要求，这些限制包含在相关的飞行手册补充页中，见注 7

9. Additional Limitations/Requirements for the Flight Crew/Operator or passenger may apply when the specific mission changes are installed. These Limitations are included in the relevant AFM Supplement. See Note 7

10. 符合 ICAO（附件 8）演示仅适用于 DA 42M 及批准的接口。对任务设备自身及安装，符合 ICAO 附件 8 必须是单独安装批准的一部分，否则飞机不满足 ICAO 要求。

10. Compliance to ICAO Requirements (Annex 8) has been demonstrated for the basic DA 42 M and its approved provisions only. For the mission equipment itself and it's installation, demonstration of compliance to ICAO Annex 8 must be part of the individual installation approval otherwise this airplane does not comply to ICAO requirements.

11. 以下设计重量构型是经批准的。

11. The following Design Mass Configurations are approved.

Design Changes installed 安装的设计更改	Standard 标准	OÄM 42-188	OÄM 42-188 and OÄM 42-195
MTOM	1785 kg (3935 lb)	1785 kg (3935 lb)	1785 kg (3935 lb)
MZFM	1650 kg (3638 lb)	1674 kg (3690 lb)	1730 kg (3814 lb)
MLM	1700 kg (3560 lb)	1700 kg (3560 lb)	1785 kg (3935 lb)

MTOM – 最大起飞重量/maximum take-off mass; MZFM – 最大零燃油重量/maximum zero fuel mass; MLM – 最大着陆重量/maximum landing mass

设计更改改装是依据 TC 持有人服务通告批准的

The retrofit installation of the design changes is approved per TC Holder Service Bulletins.

第 3 部分

SECTION 3

DA 42 M-NG

3.I. 概述/General

- | | |
|--|--|
| 1. 数据单号/Data Sheet No.: EASA A.513 | |
| 2. a) 型号/Type | DA 42 M |
| b) 型别/Model | DA 42 M-NG |
| c) 延伸型/Variant: | -- |
| 3. 适航类别/Airworthiness Category: | Restricted / 限制类 |
| 4. 型号合格证持有人/Type Certificate Holder | Diamond Aircraft Industries GmbH
N.A. Otto-Str. 5
A-2700 Wiener Neustadt
Austria |
| 5. 制造商/Manufacturer: | Diamond Aircraft Industries GmbH
N.A. Otto-Str. 5
A-2700 Wiener Neustadt,
Austria |
| 6. 型号审定申请日期/ Certification Application Date: | 02-June-2009 |
| 7. 保留/reserved | N/A |
| 8. 保留/reserved | N/A |

3.II. 审定基础/Certification Basis

- | | |
|---|---|
| 1. 确定申请人需求的参考日期/Reference Date for determining the applicable requirements: | 02-Apr-2002 |
| 2. 适航需求/Airworthiness Requirements: | JAR-23, 修订 1, 2001 年 2 月 1 日发布
JAR-23, Amendment 1, issued 01 February 2001
JAR-1, 更改 5,, 1996 年 7 月 15 日发布
JAR-1, Change 5, issued 15-Jul-1996 |
| 3. EASA 专用技术条件/EASA Special Conditions: | CRI D-02,
CRI D-02, Variable Elevator Stop
CRI E-02, 往复式发动机上使用航空煤油
CRI E-02, Use of Jet Fuel for Reciprocating Engines
CRI E-03, 往复式发动机上使用柴油
CRI E-03, Use of Diesel Fuel for Reciprocating Engines
CRI E-04, 液冷-冷却剂箱
CRI E-04, Liquid Cooling – Coolant Tank
CRI E-05, 电子控制往复式柴油发动机
CRI E-05, Electronically-controlled Reciprocating Diesel Engine
CRI E-06, 发动机振动水平
CRI E-06, Engine Vibration Level
CRI E-07, 发动机扭矩 |

	CRI E-07, Engine Torque
	CRI F-01, HIRF 防护
	CRI F-01, Protection from the Effects of HIRF
	CRI F-03, 闪电间接影响防护
	CRI F-03, Protection from the Effects of Lightning Strikes, Indirect Effects
	CRI F-04 动力装置仪表
	CRI F-04, Power plant Instruments
	CRI F-05 全权数字发动机控制(FADEC)式往复式柴油发动机及螺旋桨的安装
	CRI F-05, Installation of FADEC reciprocating Diesel engine and propeller
	CRI F-07, 集成航电系统的人机要素
	CRI F-07, Human Factors in Integrated Avionic System
	CRI F-08 任务设备资格要求
	CRI F-08 Equipment Qualification for Mission Equipment
	CRI F-09 任务设备安全规定
	CRI F-09 Safety Provisions for Mission Equipment
4. 豁免 Exemptions	N/A
5. 偏离 Deviations:	N/A
6.等效安全/ Equivalent Safety Findings:	CRI E-10, 燃油电动泵
	CRI E-10, Electrical Fuel Pump
	CRI F-10 自动电力负荷卸载
	CRI F-10, Automatic Electric Load Shedding
7. 选出的符合性要求/ Requirements elected to comply:	CS23.1507 机动速度
	CS 23.1507 Maneuvering Speed
8. EASA 环境标准/EASA Environmental Standards:	ICAO, 附件 16, 1 册, II 部分及依据 2007 年 4 月 2 日民航局局长决定 2007/007/R 修订的 No. 2003/4/RM, 飞机噪音可接受方式审定规范 CS-36 修正案 1 见注 2
	ICAO, Annex 16, Volume 1, Part II and as implemented in Decision No. 2003/4/RM amended by Decision 2007/007/R of The Executive Director of the Agency dated 2 April 2007, on certification specifications providing for acceptable means of compliance for aircraft noise CS-36, Amendment 1 see Note 2
9. 保留(Reserved)	N/A
10. 保留(Reserved)	N/A

3.III. 技术特性和运行限制/Technical Characteristics and Operational Limitations

- | | |
|-----------------------------------|--|
| 1. 型号设计定义/Type Design Definition: | 当前有效 文档编号 7.07.00, V006/ 7 章, 包括设计 VÄM 42-004, VÄM 42-005, VÄM 42-006
Current issue of Doc. No. 7.07.00, Chapter V006/7 including Design Changes VÄM 42-004, VÄM 42-005, VÄM 42-006 |
| 2. 描述/Description: | 双发, 四座悬挂式下单翼机, 符合材料结构, 可收放式三轮起落架, T 型尾翼
飞机设有安装多种任务设备接口 |

Twin engine, four-seated cantilever low wing airplane, composite construction, retractable tricycle landing gear, T-tail.

The airplane is equipped with provisions for installation of various mission equipment.

3. 设备/Equipment:

设备列表, AFM 文档编号 7.01.15 第 6 章, 见注 3 及 AFM 补充手册 M00 见注 7

Equipment list, AFM, Doc. No. 7.01.15, Section 6, See Note 3 and AFM Supplement M00, see Note 7

4. 几何尺寸/Dimensions:

翼展/Span	13.42 m	(44 ft 0 in)
长/Length	8.56 m	(28 ft 1 in)
高/Height	2.49 m	(8 ft 2 in)
机翼面积/Wing Area	16.29 m ²	(175.3 sqft)

5. 发动机/Engines:

5.1.1 型号 Model:

2 台 E4 见注 42 E4 see Note 4

5.1.2 型号合格证 Type Certificate:

EASA 发动机型号合格证数据单 E.200

EASA Engine Type Certificate Data Sheet E.200

5.1.3 发动机限制/Engine Limits:

最大起飞转速 (5 分钟) / 2300 r.p.m.

Max take-off rotational speed(5min)

最大连续转速/Max continuous rotational speed 2100 r.p.m.

(螺旋桨轴 r.p.m.) /(Propeller shaft r.p.m.)

最大起飞功率 (5 分钟) Max T/O Power (5min) 100%(123,5 kW)

最大连续功率 Max. continuous Power 92% (114 kW)

动力装置限制参见 AFM, 文档号 7.01.15 第二章/

For power-plants limits refer to AFM, Doc. No. 7.01.15, Section2

5.1.4 防火墙/Firmware:

见 DAI MSB42NG-002/

见注 4/See Note 4

see DAI MSB 42NG-002

5.1.52 映像/Mapping:

见 DAI MSB42NG-002/

见注 4/See Note 4

see DAI MSB 42NG-002

6. 载荷系数 Load factors:

	at vA	at vNE	with flaps in T/O or LDG position
正 Positive	3.8	3.8	2.0
负 Negative	-1.52	0	

7. 螺旋桨/Propellers:

7.1 型号 Model:

2 MT-Propeller 2 MT-Propeller MTV-6-R-C-F/CF187-129

7.2 型号合格证 Type Certificate:

EASA 螺旋桨型号合格证数据单 P.094 见注 5

EASA Propeller Type Certificate Data Sheet P.094 See Note 5

7.3 桨叶数量 Number of blades:

3

7.4 直径 Diameter:

1870mm

7.5 旋转方向 Sense of Rotation:

CW

7.6 设置/Settings

低桨距设置/Low pitch setting: 12°

顺桨/Feather position 81°

启动锁定/Start Lock 15°

8. 液体/Fluids:

8.1 燃油/Fuel:

Jet A-1(ASTM 1655) see Note 12

8.2 滑油/Oil: 发动机/engine

壳牌 Helix Ultra 5W30 或 5W40

或参见 AFM, 文档号 7.01.15 第二章

齿轮箱/Gearbox	Shell Helix Ultra 5W30 or 5W40 or see AFM, Doc. No. 7.01.15, Section 2 壳牌 SPIRAX GSX 75W-80 或参见 AFM, 文档号 7.01.15 第二章 Shell SPIRAX GSX 75W-80 or see AFM, Doc. No. 7.01.15, Section 2		
8.3 冷却剂/Coolant:	水/冷却器防护液 更多细节参见 AFM, 7.01.15 第二章 Water / Cooler Protection for more details see AFM, 7.01.15, Section 2		
8.4 防冰液/Ice Protection Fluids	AL-5(DTD 406B)或 Aeroshell Compound 07 更多细节参见 AFM, 7.01.15 增补 S03 AL-5 (DTD 406B) or Aeroshell Compound 07 for more details see AFM, 7.01.15, Suppl. S03		
9.液体容量/Fluid capacities			
9.1 燃油/Fuel:	标准油箱/ Standard Fuel Tank	总共/Total	196.8 升/liters 52 US Gallons
	辅助油箱/ Auxiliary Fuel Tank	可用/Usable:	189.2 升/liters 50 US Gallons
		总共/Total	104 升/liters 27.4 US Gallons
		可用/Usable:	100 升/liters 26.4US Gallons
9.2 滑油/Oil	每台发动机/each engine	最大/Maximum:	7 升/liters
		最小/Minimum:	5 升/liters
9.3Coolant system capacity:	Approx. 7 liters		
10. 空速/Air Speeds:			
设计机动速度 Design Manoeuvring Speed v_A	小于 1700kg /up to 1700 kg	114 KEAS	
	1701 to 1800 kg	121 KEAS	
	以上 above1800 kg	125 KEAS	
襟翼放下速度 V_{FE} / Flap Extended Speed V_{FE}	进场/Approach	135 KEAS	
最大起落架使用速度速度 V_{LO} / Maximum Landing Gear Operation Speed V_{LO}	着陆/Landing	110 KEAS	
最大起落架放下速度 V_{LE} / Maximum Landing Gear Extended Speed V_{LE}		155 KEAS	
最小操纵速度 V_{MCA} / Minimum Control Speed V_{MCA}		192 KEAS	
最大结构巡航速度 V_{NO} (=最大结构设计速度 V_C) / Maximum structural cruising speed V_{NO} (= Maximum structural design speed V_C)		75 KEAS	
极限速度 V_{NE} / Never exceed speed V_{NE}		155 KEAS	
11. 最大运行高度/Maximum Operating Altitude:	5486 m (18 000 ft)		
12. 全天候能力/All weather Capability:	日/夜-VFR,IFR / Day/Night - VFR, IFR		
	在已知或预计结冰条件下飞行, 参见注 6,7 Flights into known or forecast icing conditions See Note 6,7		

13. 最大重量/Maximum Weight:

起飞/Take-off	1900 kg(4189 lb)
零燃油/Zero Fuel	1765 kg (3891 lb)
着陆/Landing	1805 kg (3979 lb)

14. 重心范围/Centre of Gravity Range:

前部限制/Forward limit	当 1510 kg /	基准后 2.357m/
	at 1510 kg	2.357m behind Datum
	当 1900 kg/	基准后 2.418m/
	At 1900 kg	2.418m behind Datum
重量间线性变化/Varying linearly with mass in between		
后部限制/Rear limit	当 1510 kg /	基准后 2.460m/
	at 1510 kg	2.460m behind Datum
	当 1700 及以上	基准后 2.480m/
	At 1700 kg or above	2.480m behind Datum
重量间线性变化/Varying linearly with mass in between		

15. 基准/Datum:

2.196 m 短翼前沿机翼接头前
In front of leading edge of stub-wing at the wing joint

16. 控制舵面转向 Control surface deflections:

副翼/Aileron	后缘上 trailing edge up	25° ± 2°
	后缘下 trailing edge down	15° + 2/-0°
升降舵/Elevator	后缘上 trailing edge up	15.5° ± 0.5°
	后缘下 trailing edge down	13° ± 1°
升降舵配平调整片/Elevator Trim Tab	升降舵向上 10° 机头抬起 nose up at elevator 10° up	+ 17° ± 5°
	升降舵向下 10° 机头抬起 nose down at elevator 10° up	- 35° ± 5°
方向舵/Rudder	左 left	27° ± 1°
	右 right	29° ± 1°
方向舵配平调整片/Rudder Trim Tab	方向舵在左侧 20° 右侧配平 trim RH at rudder 20° LH	+ 54° ± 5°
	方向舵在左侧 20° 左侧配平 trim LH at rudder 20° LH	+ 22° ± 5
襟翼/Flaps	巡航襟翼设定 Cruise flap setting	0° + 2°- 0°
	近进襟翼设定 Approach flap setting	20° + 4° - 2°
	着陆襟翼设定 Landing flap setting	42° + 3° - 1°

17. 测平方式/Leveling Means:

前行李舱地板水平/floor of front baggage compartment leveled

18. 最小飞行机组/Minimum Flight Crew:

1 (飞行员/Pilot)

19. 最多成员座位数/

3

Maximum Passenger Seating Capacity:

20.行李舱/货舱

Baggage/Cargo Compartments

位置/Location	最大允许负载/max. allowable Load
前行李舱/Front Baggage Compartment	30 kg (66 lb)
后排座位后/Behind Rear Seats	45 kg (100 lb)
尾部行李扩展/Aft part of Baggage Extension	18 kg (40 lb)
整个尾部行李舱/	45 kg (100 lbs)
Whole aft Baggage Compartment together	

21. 机轮与轮胎/Wheels and Tyres

前轮轮胎尺寸/Nose Wheel Tyre Size	5.00 - 5
最大轮胎尺寸/Main Wheel Tyre Size	15x6.0 -6

22. 保留(Reserved):	N/A
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3.I.V. 操作及维护说明/Operating and Service Instructions

- | | |
|--------------------------------------|---|
| 1. 飞行手册 Flight Manua | 文件 No.7.01.15 包括 AFM 补充 M00
Document No. 7.01.15 including AFM Supplement M00 |
| 2. 技术手册 Technical Manual: | 飞机维修手册(AMM)文件 No.7.02.15 包括(含适航限制)服务护
信息和服务通告
Airplane Maintenance Manual(AMM) Document No. 7.02.15 incl.
(incl. Airworthiness Limitations) Service Information and Service
Bulletins |
| 3. 零备件目录 Spare Parts Catalogue: | Document No. 7.03.15 |
| 4. 仪表及数量: Instruments and aggregates | 参考 refer to AMM Doc. No. 7.02.15 Chapter 1 |

3.V. 注/Notes

1. 本合格证适用于系列号 42.MN001 及在 Diamond-Austria 生产的后继飞机. DA42M 可以通过钻石飞机公司 DAI 批准的 SB OSB42-081 转变成 DA 42 M-NG。

1. This certification applies to serial numbers 42.MN001 and subsequent for production at Diamond-Austria. DA 42 M may be converted to Model DA 42 M-NG by DAI approved SB OSB 42-081。

2. 按 EASA 噪声数据单 TCDSN A.513 批准的噪声水平, 在注 7 所列任务状态是 TCDSN 的一部分。

2. Approved Noise Levels in accordance to the EASA data sheet for noise TCDSN A.513, Mission Configurations as listed in Note 7 are part of the TCDSN.

3. 对批准的 Gamin G1000 集成航电系统软件版本见 DAI MSB 42NG-003, 最新版次。要求 Garmin PNo. 010-00670-01 或之后批准的版本软件。

3. For approved software versions of Gamin G1000 Integrated Avionic System see DAI MSB 42NG-003, at latest issue. Garmin Software Pno. 010-00670-01 or later approved version is required.

4. 批准安装在 DA 42 M-NG 发动机型号: E4-B

批准的防火墙及映射依据最新版 DAI MSB 42NG-002。

4. Approved engine model for installation in the DA 42 M-NG: E4-B

The approved firmware and mapping is according to DAI MSB 42NG-002 at latest issue.

5. 螺旋桨设备: 控制器: P-877-16

5. Propeller Equipment : Governor: P-877-16

6. 如安装附加任务设备(注 7), 禁止在已知或预计结冰条件下飞行。

6. Flights into known or forecast icing conditions is prohibited if provisions for additional mission equipment (Note 7) are installed.

7. 基本型 DA 42M-NG 不包括专用任务目的的接口, 以下是经批准的可用主设计更改, 是为完成特定任务安装任务设备而进行的更改。

7. The basic DA42 M-NG does not include provisions for specific mission purposes. The following optional major design changes for specific missions as a provision for installation of mission equipment are approved.

OÄM 42-168 机腹吊舱/Belly Pod

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/Flights into known or forecast icing conditions prohibited
- 最大机腹吊舱负荷/Maximum load in the belly pod: 80 kg
- 最小飞行重量/Minimum flight mass: 1510 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator

- 必须装有 AFM 和 AMM 补充页 M01/AFM and AMM Supplement M01 must be furnished

OÄM 42-169 通用机头Universal Nose

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/ Flights into known or forecast icing conditions prohibited
- 最大机头吊舱负荷Maximum load in Universal Nose: 65 kg
- 最大地板吊舱负荷Maximum load in Underfloor Pod: 20 kg
- 最小飞行重量/Minimum flight mass: 1510 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 最大后飞行重心/Most rearward flight CG:
 - 2,45 m aft of Datum at 1510 kg
 - 2,47 m aft of Datum at 1700 kg
 - 2,47 m aft of Datum at 1900 kg

其间线性变化/Linear variation in between

必须装有AFM和AMM补充页M30/AFM and AMM Supplement M30 must be furnished

- 安装设备后最大操纵速度/Maximum operating speed with Equipment installed 156 KIAS

OÄM 42-170 机头吊舱/Nose Pod

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/ Flights into known or forecast icing conditions prohibited
- 最大机头吊舱负荷 Maximum load in Nose Pod: 85 kg
- 适用机头吊舱负荷可能需要在垂尾下面暗转配平重量 The use load in the Nose Pod may lead to Trim Weight installations in the lower vertical tail
- 最大后设备舱负荷/Maximum load in rear equipment compartment: 93 kg
- 最小飞行重量/Minimum flight mass: 1510 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 最大后飞行重心/Most rearward flight CG:
 - 2,44 m aft of Datum at 1510 kg
 - 2,46 m aft of Datum at 1700 kg
 - 2,46 m aft of Datum at 1900 kg
- 其间线性变化/Linear variation in between
- 必须装有 AFM 和 AMM 补充页 M60/AFM and AMM Supplement M60 must be furnished
- 安装设备后最大操纵速度/Maximum operating speed with Equipment installed 156 KIAS

OÄM 42-208 标准行李舱的机头吊舱 Nose Pod with standard baggage compartment

采用以下附件限制/The following additional Limitations apply:

- 禁止在已知或预报结冰条件下飞行/ Flights into known or forecast icing conditions prohibited
- 最大机头吊舱负荷 Maximum load in Nose Pod: 85 kg
- 适用机头吊舱负荷可能需要在垂尾下面暗转配平重量 The use load in the Nose Pod may lead to Trim Weight installations in the Lower vertical tail
- 最小飞行重量/Minimum flight mass: 1510 kg
- 最小任务机组/Minimum Crew for Mission Operations: 1 Pilot + 1 Operator
- 最大后飞行重心/Most rearward flight CG:
 - 2,44 m aft of Datum at 1510 kg
 - 2,46 m aft of Datum at 1700 kg
 - 2,46 m aft of Datum at 1900 kg

其间线性变化/Linear variation in between

- 必须装有 AFM 和 AMM 补充页 M160 AFM and AMM Supplement M160 must be furnished
- 安装设备后最大操纵速度/Maximum operating speed with Equipment installed 156 KIAS

8. 专用任务设备及其安装不在 DA 42 M-NG 型号合格证中。

设备的安装必须按相关的 AMM 补充页及按 CRI F-08 “任务设备资格要求” 设备资格要求来批准。

8. The specific mission equipment and its installations are not part of the DA42 M-NG certification.

Installation must be approved using the relevant AMM Supplement and the qualification criteria of CRI F-08 “Equipment Qualification for mission equipment”

9. 当任务设备更改安装时，对行李舱装载有附加限制，这些限制包含在相关的飞行手册补充页中。

9. Additional Limitations to the Baggage Compartment payload may apply after installation of mission equipment, these are included in the relevant Flight Manual Supplement

10. 当任务设备更改安装时，可能对机组、操作者或乘客有附加限制或要求，这些限制包含在相关的飞行手册补充页中。

10. Additional Limitations/Requirements for the Flight Crew/Operator or passenger may apply when the specific mission changes are installed. These Limitations are included in the relevant AFM Supplement.

11. 符合 ICAO（附件 8）演示仅适用于 DA 42M-NG 及批准的接口。对任务设备自身及安装，符合 ICAO 附件 8 必须是单独安装批准的一部分，否则飞机不满足 ICAO 要求。

11. Compliance to ICAO Requirements (Annex 8) has been demonstrated for the basic DA 42 M-NG and its approved provisions only. For the mission equipment itself and it's installation, demonstration of compliance to ICAO Annex 8 must be part of the individual installation approval otherwise this airplane does not comply to ICAO requirements.

12. 批准的燃油牌号见 AFM 第 2 章, JET A, JET A-1 (ASTM D 1655), TS-1 (Russia, GOST 10227-86), TS-1 (Ukraine, GSTU 320.00149943.011-99), RT (Russia, GOST 10227-86), RT (Ukraine GSTU 320.00149943.007-97), 三号喷气燃料 (China, GB 6537-2006) and JP-8 (F34) (USA, MIL-DTL-83133G-2010) 是得到批准的

12. For the detailed approved Jet fuel types see AFM Section 2. JET A, JET A-1 (ASTM D 1655), TS-1 (Russia, GOST 10227-86), TS-1 (Ukraine, GSTU 320.00149943.011-99), RT (Russia, GOST 10227-86), RT (Ukraine GSTU 320.00149943.007-97), No. 3 Jet Fuel (China, GB 6537-2006) and JP-8 (F34) (USA, MIL-DTL-83133G-2010) are approved fuel types.