

型号认可证数据单
THE VALIDATION DATA SHEET

编号/No.: VTC0384E
版次/Revision: 0
型号/Type: GE Passport 20
型号/Model:
GE Passport 20-19BB1A

批准人/Approved By:



职务/Title: Deputy Director General
日期/Date: 2025-06-19

本数据单是型号认可证（编号：VTC0384E）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: VTC0384E 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:

General Electric Company
GE Aerospace
1 Neumann Way
Cincinnati, OH 45215-6310

第1部分 概述

Section 1 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

	中国民用航空总局认可数据单号、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	VTC0384E, 版次0, 2025年6月19日; No. VTC0384E, Revision 0, June.19, 2025	FAA TCDS No. E00091EN, 第4版, 2024年7月10日 FAA TCDS No. E00091EN, Revision 4, July 10, 2024

注：上表中出口国局方型号合格证数据单信息仅供参考

Note: Above TCDS information of Certification Authority is only for reference

2. 类别/Category:

发动机/ Engine

3. 认可当局/Validation Authority:

中国民用航空局/CAAC

审定当局/Certifying Authority:

美国联邦航空局/FAA

4. 型号合格证持有人/Type Certificate Holder:

General Electric Company

GE Aerospace

1 Neumann Way

Cincinnati, OH 45215-6310

5. 双发延程飞行/ETOPS:

不适用/NA

6. CAAC专用要求/CAAC Special Requirements:

(1)中华人民共和国国家标准“3号喷气燃料”(GB 6537)

National Standard of the People's Republic of China “No.3 Jet Fuel”(GB 6537)

(2)燃油排泄和排气排出物规定CCAR-34-R1

Fuel venting and exhaust emissions requirements
CCAR-34-R1

Section 2 DATA SHEET

3-14

起飞/Takeoff	86°F / 30°C
最大连续/ Max Continuous	77°F / 25°C

型别/MODELS(cont.)	GE Passport 20-19BB1A
型别清单/Model List	
发动机构型/Engine Configuration	GE Passport 20-19BB1AG01/G02
	GE Passport 20-19BB1AG03/G04
	GE Passport 20-19BB1AG05/G06
部件(GE 件号)/COMPONENTS(GE P/Ns)	
燃油油量计/Fuel Metering Unit	2496M14
电子控制器/Electronic Engine Control	2500M36
压力分系统/Pressure Sub-system	2474M65
FADEC软件/FADEC Software	2575M73
(earliest part number shown)	
发动机识别销/Data Entry Plug	2531M61P30
燃油泵/Fuel Pump	2496M12
点火系统/IGNITION SYSTEM	
两个点火激励器(GE件号)/	2488M61
Two ignition exciters GE P/N	
两个点火塞 (GE件号) /	2519M29
Two igniter plugs GE P/N	
主要尺寸 (英寸) /PRINCIPAL DIMENSIONS (in)	
长度(整流锥至后部中心体法兰)/Length (Fan spinner to aft centerbody flange)	132.5in
宽度(最大轮廓)/Width (maximum envelope)	54.32in
高度(最大轮廓)/Height (maximum envelope)	51.90in
重量(干重)/WEIGHT (DRY)	
包括本体发动机, 本体发动机附件, 以及发动机制造商说明书中列出的可选设备	4554 lbs.
Includes basic engine, basic engine accessories, and optional equipment as listed in the manufacturer's engine specifications.	
重心(in): 只包含发动机/CENTER OF GRAVITY LOCATIONS (in); Engine only	
站位(轴向)-左发	217.5
Station (axial) – LH Engine	
水平线-左发	97.1
Waterline – LH Engine	
纵剖位-左发	100.8
Buttline – LH Engine	

站位(轴向)-右发 Station (axial) – RH Engine	217.8
水平线-右发 Waterline – RH Engine	97.1
纵剖位-右发 Buttline – RH Engine	98.8
燃油/FUEL	批准的燃油，见注释 12.1 See NOTE 12.1 for approved fuels.
滑油/OIL	批准的滑油，见注释 12.2 See NOTE 12.2 for approved lubricants

审定基础 CERTIFICATION BASIS	14 CFR 第 33 部，1965 年 2 月 1 日生效，修正案 33-1 至 33-33。 14 CFR Part 33, effective February 1, 1965, as amended by 33-1 through 33-33 14 CFR 第 34 部，1990 年 9 月 10 日生效，修正案 34-1 至 34-7A。燃油排泄，排气，排出物的取证基础参见注释 11。 14 CFR Part 34, effective September 10, 1990, as amended by 34-1 through 34-7A. See NOTE 11 for detailed summary of the certification basis for fuel venting and exhaust emissions. - 等效安全/Equivalent Levels of Safety (ELOS) Findings: - 针对 14 CFR 33.76 条款的 ELOS No. TC3323EN-E-P-10 ELOS No. TC3323EN-E-P-10 for 14 CFR 33.76. - 针对 14 CFR 33.83 条款的 ELOS No. TC3323EN-E-P-9 ELOS No. TC3323EN-E-P-9 for 14 CFR 33.83 - 针对 14 CFR 33.89 条款的 ELOS No. TC3323EN-E-P-13 ELOS No. TC3323EN-E-P-13 for 14 CFR 33.89
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CAAC 认可审定基础

接受 FAA 的审定基础作为认可审定基础。

CAAC VALIDATION BASIS

Accept FAA certification basis as validation basis.

附加技术条件/Additional Technical Requirement:

(1) 中华人民共和国国家标准“3 号喷气燃料”(GB 6537)

National Standard of the People's Republic of China "No.3 Jet Fuel" (GB 6537)

(2) 燃油排泄和排气排出物规定 CCAR-34-R1, 详见注释 11a

Fuel venting and exhaust emissions requirements CCAR-34-R1, See NOTE 11a

型号合格证/TYPE CERTIFICATE

型别 / MODEL	申请日期 APPLICATION DATE	颁发/修正日期 ISSUE/AMMENDED
GE Passport 20-19BB1A	2014 年 4 月 15 日/APR 15 2014	2016 年 4 月 29 日/APR 29 2016

生产依据 / PRODUCTION BASIS:

FAA 第 108 号生产许可证 / FAA Production Certificate number 108.

注释/ NOTES

注释1 / NOTE 1. 发动机额定值/Engine Rating

发动机额定功率基于以下条件的校准台架性能/

Engine ratings are based on a calibrated test stand, under the conditions specified below:

1. 海平面静止状态, 标准压力(14.696 psia); 温度 59°F. /
Sea level static, standard pressure (14.696 psia), 59 °F.
2. 零客户引气或功率提取 / No customer bleed or customer power extraction.
3. 理想进气, 100%冲压恢复 / Ideal engine Inlet, 100 % ram recovery.
4. 飞机整流罩 / Production aircraft cowling.
5. 仪器仪表/Production instrumentation
6. 燃油低热值18,400 BTU/磅 / Fuel lower heating value of 18,400 BTU/lb

注释 2 / NOTE 2	温度限制/TEMPERATURE LIMITS	
	1. 指示涡轮排气温度(T49)/Indicated Turbine exhaust gas temperature (T49)	
	1.1 起飞 5 分钟(见注释 13.3)/Takeoff 5 minutes(see NOTE 13.3)	1,895 °F (1,035 °C)
	1.2 最大连续/Maximum Continuous	1,823 °F (995 °C)
	1.3 地面起动 (手动或自动) /Ground Starts(manual or auto)	1,382 °F (750°C)
	1.4 空中起动 (手动或自动) /Inflight Starts(manual or auto)	1,607 °F (875°C)
	1.5 空起(高功率燃油切断)/Inflight starts (High Power Fuel Cut)	1,787 °F (975°C)
	2. 允许有20次EGT超温至1970.6 °F (1077 °C), 最长15秒。运营人需要记录维护超温次数, 并在超过限制后执行相应的维护行动。 Twenty (20) Exhaust Gas Temperature excursions of up to 1970.6 °F (1077 °C) for up to 15 seconds permitted before maintenance action required. Operator needs to maintain the count of excursions.	
	3. 滑油温度限制/Oil Temperature limits	
	3.1 连续/Continues	320°F (160°C)
	3.2 瞬态(15 分钟)/Transient (15 minutes)	329°F (165°C)

注释 3 / NOTE 3. 燃油和滑油压力限制/FUEL AND OIL PRESSURE LIMITS

发动机进口处燃油压力限制/FUEL PRESSURE LIMITS AT THE ENGINE PUMP INLET

1. 飞机增压泵工作时/Aircraft Boost Pump Operative

在飞机增压泵工作时, 发动机燃油泵进口处的最小压力为真实蒸汽压力加5 psia (34.5 kPa), 最大不超过50 psia。在飞机增压泵工作时, 发动机燃油泵入口处的最大气液比为零。

The minimum pressure at the engine fuel pump inlet with aircraft boost pumps operative is true vapour pressure plus 5 psia (32.4 kPa) with aircraft boost pump operative to a maximum of 50 psia. The maximum vapour to liquid ratio at the engine fuel pump inlet with aircraft boost pumps operative is zero.

2. 飞机增压泵不工作时/Aircraft Boost Pump Inoperative

飞机增压泵不工作时, 发动机燃油系统操作的限制依据GE Passport 20安装手册GEK112054的相关描述。

The engine fuel system operation is restricted with the aircraft boost pumps inoperative as outlined in the GE Passport 20 Installation Manual GEK 112054.

滑油压力限制/OIL PRESSURE LIMITS

最小、最大滑油压力限制详见GE Passport 20 SOI(具体操作指导) GEK 112053, 图8.2.6。
See Figure 8.2.6 of the GE Passport 20 Specific Operating Instructions GEK 112053 for definition of minimum and maximum oil pressures.

注释 4 / NOTE 4. 附件驱动 /ACCESSORY DRIVE

见下表/See the following Table

附件 ACCESSORY	定义 DEFINED BY	转动方向(注释1) ROTATION (NOTE #1)	齿轮/核心转子比 GEAR RATIO TO CORE ROTOR	驱动轴(转/分钟) DRIVE SHAFT (RPM)	最大重量磅(公斤) MAX WEIGHT LB(KG)	最大悬臂力矩英寸-磅(牛·米) MAX OVERHUNG MOMENT, IN-LB(N-m)	剪切扭矩英寸-磅(牛·米) SHEAR TORQUE IN-LB(N-m)	连续额定值 马力 CONTINUOUS PAD RATING HP	过载(马力) OVER-LOAD [HP]
变频发电机 VFG		CW	0.8523	16773	91.20 (41.27) 湿/WET	529 (59.77) 湿/WET	4200.0 (474.54)	102.1	120,2 分钟 /120 for 2 min (见备注3/See Note 3)
空气涡轮启动机 AIR TURBINE TARTER		CW	0.5714	11246	21 (9.50) 干/DRY	56.7 (6.40) 干/DRY	7500 (847.38)	N.A.	N.A.
燃油泵 FUEL PUMP		CW	0.3844	7565	28.90 (13.08) 干/DRY	118.5 (13.39) 干/DRY	3030 (342.34)	84.5	N.A.
交流发电机 PMA		CW	0.9143	17993	6.01 (2.73) 干/DRY	5.5 (0.62)	N.A.	0.7	N.A.
发电机 PMG		CCW	0.9143	17993	3.3 (1.49) 干/DRY	6.6 (0.75) 干/DRY	N.A.	1.1	N.A.
滑油单元 LUBE UNIT		CW	0.2406	4734	26.71 (12.08) 湿/WET	119.9 (13.55)	1704 (192.52)	4.8	N.A.

液压泵 HYDRAULIC PUMP		CCW	0.2406	4734	20.4 (9.23) 干/DRY	93.23 (10.53) 干/DRY	2700 (305.06)	慢车时 25.8, 最大速度时 45 / 25.8 at idle speed ,45 at max. speed	慢车时 39.8, 最大 速度时 69.4 / 39.8 at idle speed, 69.4 at max speed.
核心机转动 调 节 板 CORE TURN CRANKIN G PAD	0.5 SQUAR E DRIVE	CW	0.3466	6821	N.A.	N.A.	N.A.	N.A.	N.A.

注/NOTES:

1. 旋转定义为面向安装座/Rotation is defined facing the pad. CW=顺时针, CCW=逆时针
2. 100%核心机转速是 19680 转/分 / 100 percent core engine speed is 19680 rpm.
3. VFG 过载功率/VFG Overload ratings: 空中慢车下 172 马力不超过 5 秒, 空中慢车下 81.5 马力不超过 5 分钟 / 172 马力 172 HP at flight idle, 5 sec and 81.5 HP at flight idle, for up to 5 minutes

注释 5 / NOTE 5. 型别描述(列出和基本型号的差异性, 相似性以及每个型号的特别属性)

MODEL DESCRIPTION (List differences, similarities and special characteristics for each model, relative to the base model).

基于安装功率响应特性, GE Passport 20 发动机型号仅限于安装在庞巴迪宇航 Global-7500 和 Global-8000 型号的飞机上。任何可能对功率响应产生重大不利影响的材料清单变更都必须重新评估。

The GE Passport 20 engine models are limited to installation on the Bombardier Aerospace Global-7500 and Global-8000 model aircrafts only with respect to the installed power response characteristics. Any bill-of-material changes that could significantly and adversely affect power response will have to be reassessed.

注释6 / NOTE 6. 发动机型号设计符合飞机级别要求的配件、组件、系统组件 (列出作为发动机型号设计的一部分, 但传统上已在安装级别获得批准且可能需要满足特定飞机级别要求的配件、相似件和系统组件。)

ENGINE TYPE DESIGN ACCESSORIES, COMPONENTS, SYSTEM ASSEMBLIES WITH AIRCRAFT LEVEL REQUIREMENTS (List accessories, similarities and system assemblies that are provided as part of the engine type design, but have traditionally been approved at the installation level and that may have specific aircraft level requirements to meet.)

以下安装在GE Passport 20发动机上的组件需要符合飞机级别的要求:

The following are installed on the GE Passport 20 engine and have Aircraft Level requirements:

1. 防火探测器, 风扇罩 - GE 件号 2580M13P01 / 2580M13P02
Fire Detector, Fan Cowl - GE part no. 2580M13P01 / 2580M13P02
2. 防火探测器, 附件齿轮箱 - GE 件号 2516M97P01
Fire Detector, Accessory Gear Box - GE part no. 2516M97P01
3. 防火探测器, 低压涡轮传感器 - GE 件号 2516M98P01

Fire Detector, Low Pressure Turbine Sensor – GE part no. 2516M98P01

注释7 / NOTE 7. 当前发动机取证下兼容的附件、组件、系统组件（列出不属于发动机型号设计的一部分，但已在其审定基础下证明和发动机型号兼容的附件、相似件和系统组件）。

COMPATIBLE ACCESSORIES, COMPONENTS, SYSTEM ASSEMBLIES UNDER CURRENT ENGINE CERTIFICATION (List accessories, similarities and system assemblies that are not part of the engine type design, but have been shown to be compatible with the engine model under its certification basis).

以下系统安装在GE Passport 20发动机型号上：

The GE Passport 20 engine models have the following installation:

1. 反推，左发/Thrust Reverser, LH –
2. 反推，右发/Thrust Reverser, RH –
3. 预冷系统/ PreCooler System
4. 发动机驱动的液压泵/ Engine Driven Hydraulic Pump
5. VFG变频发电机/ Variable Frequency Generator
6. PMG发电机/Permanent Magnetic Generator
7. AMS环控系统/Air Management System
 - a. 引气压力传感器/Bleed Pressure Sensor
 - b. 引气监测压力传感器/Bleed Monitoring Pressure Sensor
 - c. PRSOV压力调节关闭阀/ Pressure Regulating Shut off valve
 - d. 风扇区进气阀/ Fan Air Valve

注释8 / NOTE 8. 特殊防冰或除冰要求（列出作为发动机型号设计的一部分，但传统上已在安装级别获得批准且可能需要满足特定飞机级别要求的配件、相似件和系统组件。）

SPECIAL ANTI-ICING OR DE-ICING REQUIREMENTS (List accessories, similarities and system assemblies that are provided as part of the engine type design, but have traditionally been approved at the installation level and that may have specific aircraft level requirements to meet.)

保留/Reserved.

注释9 / NOTE 9. 发动机安装节系统配置（列出作为发动机型号设计的一部分，但传统上已在安装级别获得批准且可能需要满足特定飞机级别要求的配件、相似件和系统组件。）

ENGINE MOUNT SYSTEM PROVISIONS (List accessories, similarities and system assemblies that are provided as part of the engine type design, but have traditionally been approved at the installation level and that may have specific aircraft level requirements to meet.)

GE Passport 20 发动机包含以下需要满足飞机级别要求的发动机安装系统的部件。

The GE Passport 20 engine models contains the following engine mount system parts that need to meet Aircraft level requirements:

1. 支架/Yoke – 前部和后部/Forward and Aft
2. 连杆/Link - 前部和后部/ Forward and Aft
3. 销,吊挂/ Pin, Pylon
4. 螺栓/Bolt, 连杆/Shoulder Link – 前部和后部/Forward and Aft
5. 推力杆/Thrust Link
6. 螺栓/Bolt, 推力杆/Shoulder Thrust Link

7. 销, 吊挂推力杆/ Pin, Pylon Thrust Link

注释10 / NOTE 10. 功率增压, 喷射和增强系统/ POWER BOOST, INJECTION OR AUGMENTATION SYSTEMS
不适用/Not Applicable

注释11 / NOTE 11. 特殊安装要求/SPECIAL INSTALLATION REQUIREMENTS

1. 进气道外来物保护: 不适用 / Inlet Foreign object protection Not Applicable.

2. 电磁干扰: 无 / Electromagnetic Interference (EMI) : none

3. 反推安装: 无 / Thrust Reverser Installation: None

4. 结冰保护: 无 / Icing Protection: None

5. 软件关键等级: 不适用 / Criticality level of software : NA

6. CFR 34部排放标准/ Part 34 Emission standards:

GE Passport 20发动机系列型号符合在2024年5月生效的14 CFR 第34部7A修正案和2022年12月23日生效的40 CFR 第1031部的排放标准。

The following emission standards promulgated in 14 CFR part 34, amendment 7A, effective May 24, 2024 and 40 CFR part 1031, effective December 23, 2022, have been complied with for the GE Passport 20 engine models.

- 燃油排泄排放标准: 14 CFR 第34.11条, 以及40 CFR 第1031.30 (b)条
Fuel Venting emission standards: 14 CFR 34.11; in addition, 40 CFR 1031.30 (b)
- 发烟指数 (SN) 排放标准: 14 CFR 第34.21 (e)条, 以及40 CFR 第1031.60 (a)(5)条
Smoke Number (SN) emission standards: 14 CFR 34.21 (e); in addition, 40 CFR 1031.60 (a)(5)
- 碳氢化合物 (HC) 排放标准: 14 CFR 第34.21 (d)(1)(i)条, 以及40 CFR 第1031.60 (c)条
Hydrocarbons (HC) emission standards: 14 CFR 34.21 (d)(1)(i); in addition, 40 CFR 1031.60 (c)
- 一氧化碳 (CO) 排放标准: 14 CFR 第34.21 (d)(1)(ii)条, 以及 40 CFR 第1031.60 (d)条
Carbon Monoxide (CO) emission standards: 14 CFR 34.21 (d)(1)(ii); in addition, 40 CFR 1031.60 (d)
- 氮氧化物 (NOX) 排放标准: 14 CFR 第34.23 (b)(1)条, 以及40 CFR 第1031.60 (e)(5)条 (等同于新型号发动机满足Tier8的排放标准)
Oxides of Nitrogen (NOx) emission standards: 14 CFR 34.23 (b)(1); in addition, 40 CFR 1031.60 (e)(5) (also known as Tier 8 new type)
- 非挥发性颗粒物 (nvPM) 质量浓度排放标准: 14 CFR 第34.25 (a)(1)条, 以及 40 CFR 1031.60 (a)(6) 条(等同于发动机满足Tier11的排放标准)
Non-Volatile Particulate Matter (nvPM) mass concentration emission standards: 14 CFR 34.25 (a)(1); in addition, 40 CFR 1031.60 (a)(6) (also known as Tier 10)
- 非挥发性颗粒物 (nvPM) 质量和数量排放标准: 14 CFR 第34.25 (a)(2)条, 以及 40 CFR 1031.60 (b)(2) 条(等同于生产中的发动机满足Tier11的排放标准)
Non-Volatile Particulate Matter (nvPM) mass and number emission standards: 14 CFR 34.25 (a)(2); in addition, 40 CFR 1031.60 (b)(2) (also known as Tier 11 in-production)

除了型号合格证数据单No. E00091EN确定的审定要求的符合性之外, 发动机制造商还宣布已符合2020年7月20日生效的附录16, 第II卷, 第4版, 第10修正案中确定的ICAO排放标准:

In addition to the finding of compliance based on the certification requirements defined in TCDS No. E00091EN, the engine manufacturer has declared that the ICAO emissions standards identified in Annex 16, Volume II, Fourth Edition, Amendment 10, effective July 20, 2020, have also been demonstrated for the following:

- 第二部，第二章的燃油排放
Part II, Chapter 2 for Fuel Venting
 - 第三部，第二章，2.2.2节的发烟指数
Part III, Chapter 2, Section 2.2.2 for Smoke Number,
 - 第三部，第二章，2.3.2节的一氧化碳和碳氢化合物
Part III, Chapter 2, Section 2.3.2 for Carbon Monoxide and Hydrocarbons,
 - 第三部，第二章，2.3.2.e节的氮氧化合物（也被称为CAEP/8）
Part III, Chapter 2, Section 2.3.2.e for Oxides of Nitrogen (also known as CAEP/8),
 - 第三部，第四章，4.2.2.1节的非挥发性颗粒物（nvPM）质量浓度（也被称为CAEP/10）
Part III, Chapter 4, Section 4.2.2.1 for nvPM mass concentration (also known as CAEP/10), and
 - 第三部，第四章，4.2.2.2节的非挥发性颗粒物（nvPM）质量和数量（也被称为CAEP/11）
Part III, Chapter 4, Section 4.2.2.2 for nvPM mass and number (also known as CAEP/11).
7. 双发延程飞行(ETOPS)能力: GE Passport 20型号没有被认证满足双发延程要求, 因此没有支持ETOPS运行的资质。
ETOPS eligibility: GE Passport 20 models have not been certified to ETOPS requirement and are therefore not eligible for ETOPS operations.
8. 限时派遣限制: GEK 119289 FADEC控制系统限时派遣汇总文件和GEK 112062航线维护手册第五章适航限制部分, 详细规定了适用于发动机控制系统的派遣准则和维护要求。这些文件定义了不同构型和最大运行间隔。
Time Limited dispatch limitations: Criteria pertaining to the engine control systems' dispatch and maintenance requirements have been specified in GEK 119289 FADEC Control System Time Limited Dispatch Summary Document and Chapter 5 Airworthiness Limitations section of the GEK 112062 Line Maintenance Manual. These documents define the various configurations and maximum operating intervals.
9. 涡轮排气温度补偿: GE Passport 20-19BB1A 型别不适用。
Exhaust Gas Temperature shunting: Not Applicable for GE Passport 20-19BB1A model.
10. 具体的飞机安装能力/Specific Aircraft Installation eligibility: 无/None。

注 11a/NOTE 11a 以下发动机型别（Passport 20-19BB1A）满足中国民航规章《涡轮发动机飞机燃油排泄和排气排出物规定》（CCAR-34R1）（2023年1月1日生效）的下列标准：

- 非挥发性颗粒物排放标准: CCAR 34.21(e)款（CAEP/10与CAEP/11）

The following emissions standards promulgated in CAAC regulation CCAR-34R1, effective January 1st, 2023, have been complied with for Passport 20-19BB1A:

- Non-volatile Particulate Matter emission standards: CCAR 34.21(e) (CAEP/10 and CAEP/11)

注释12 / NOTE 12. 服务通告/ MANUFACTURER'S SERVICE BULLETINS

1. 参见GE Passport 20 服务通告SB73-0001所详述的适用的燃油和添加剂。这份服务通告涵盖了GE航空规范D50TF2中列举的可用的燃油。

Refer to GE Passport 20 Service Bulletin SB73-0001 for detailed information pertaining to fuels and additives. This Service Bulletin covers the eligible fuels listed per GE Aviation Specification D50TF2. 适用的燃油分类如下:

Eligible fuel classifications are:

A级/Class A – 航空煤油/Aviation Kerosene

C级/Class C – 低冰点煤油/Low Freeze Kerosene

D级/Class D – 高闪点煤油/High Flash Kerosene

E级/Class E – 低闪点煤油/Low Flash Kerosene

备注/NOTE: B级/Class B – (Jet B, JP4) 禁用/(Jet B, JP4) is prohibited

2. 参见GE Passport 20 服务通告SB79-0001及其最新版本所详述的适用的润滑油品牌和添加剂。这份服务通告涵盖了在最新GE航空规范D50TF1中批准适用的滑油。

Refer to GE Passport 20 Service Bulletin SB79-0001 and its latest revision for detailed information pertaining to Lubricant brands and additives. This Service Bulletin covers the approved oils listed per latest authorized revision of GE Aviation Specification D50TF1.

适用的滑油分类如下:

Eligible oil classifications are:

A级, B级, C级, E级, F级和G级。

Class A, Class B, Class C, Class E, Class F and Class G

3. 参见GE Passport 20服务通告SB73-0002及其最新版本所详述的最低可安装的FADEC软件版本。
Refer to GE Passport 20 Service Bulletin SB73-0002 and its latest revision for the detailed information pertaining to the minimum approved FADEC software version that needs to be installed.

注释13 / NOTE 13. 特殊操作手册或限制/SPECIAL OPERATING PROCEDURE OR LIMITATIONS

1. FAA 批准的具体的操作指导 GEK 112053中明确规定了结冰条件下运行的要求, 限制和注释。
For operating in Icing conditions, requirements, limitation and notes are specified in the latest version of the FAA approved GEK 112053 GE Passport Specific Operating Instructions.
2. 在负加速度运行时, 可以在低于最小滑油压力的情况下运行不超过20秒。参见GEK112053 GE Passport 20 操作手册里定义的最小滑油压力。
It is permissible to operate below minimum oil pressure for a maximum of 20 seconds during negative G operations. Refer GEK 112053 GE Passport 20 Operating Instructions for a definition of minimum oil pressure.
3. 起飞限制: 在一发停车的紧急情况下, 正常5分钟起飞限制可以延长至10分钟。
Takeoff Limit: The normal 5-minute take off limit may be extended to 10 minutes for one engine out contingency.

注释14 / NOTE 14. 特殊维修和大修指导/SPECIAL REPAIR AND OVERHAUL INSTRUCTION

保留/Reserved

注释15 / NOTE 15. 适用手册/ APPLICABLE MANUALS

1. 最新FAA批准的GE Passport 20 安装手册GEK 112054里提供了适用的安装信息和限制。
Applicable Installation information and Limitations have been provided in the latest FAA approved GEK 112054 GE Passport 20 Installation Manual.
2. 维护标准和要求参见最新版的FAA批准的发动机翻修手册 (ESM) GEK 112063和航线维护手册 GEK 112062
Refer to the latest version of the FAA approved GEK 112063 Engine Shop Manual and GEK 112062 Line Maintenance Manual for maintenance criteria and requirements.
3. 已删除/Deleted.

**注释16 / NOTE 16. 外国制造发动机的进口要求/
IMPORT REQUIREMENTS FOR FOREIGN MANUFACTURED ENGINES.**

不适用/Not Applicable

注释17 / NOTE 17. 寿命限制/LIFE LIMITS

GE Passport 20 发动机关键旋转件的寿命限制发布在FAA批准的最新航线维护手册GEK112062的第五章。

Life Limits for critical rotating components for the GE Passport 20 engine models have been published in the Chapter 5 of the latest FAA approved GEK 112062 Line Maintenance Manual.

注释18 / NOTE 18. 删除/Delete**注释19 / NOTE 19. 最大允许的主转子和输出轴转速/MAXIMUM PERMISSIBLE MAIN ROTOR AND OUTPUT SHAFT SPEEDS**

100%低压转子转速: 6,032.4转/分 / 100 % N1 speed is 6,032.4 rpm.

100%高压转子转速: 19,680.1.4转/分 / 100 % N2 speed is 19,680.1 rpm.

最大允许的风扇轴转速6,260 转/分, 例如103.7 % of N1 /

Maximum permitted Fan Shaft Speed is 6,260 rpm, i.e. 103.7 % of N1

最大允许的核心机轴转速22,625 转/分, 例如114.9 % of N2 /

Maximum permitted Core Shaft Speed is 22,625 rpm., i.e. 114.9 % of N2.

注释20 / NOTE 20. 扭矩计/传感器处的最大允许输出/传动轴扭矩限制/MAXIMUM ALLOWABLE OUTPUT/PROPELLER SHAFT TORQUE LIMIT AT TORQUE METER/SENSOR
不适用/Not Applicable**注释21 / NOTE 21. 最大允许的引气/MAXIMUM PERMISSIBLE BLEED AIR EXTRACTION**

第 4 级/Stage 4		第 7 级/Stage 7		第 10 级/Stage 10	
燃烧室进口静压 PS3(psig)	压气机进口 流量百分比 Percent W25	燃烧室进口静压 PS3(psig)	压气机进口 流量百分比 Percent W25	燃烧室进口静压 PS3(psig)	压气机进口 流量百分比 Percent W25
0	5	0	2.4	0	10
60	5	70	2.4	60	10
60	10	90	2.3	60	15
248	10	118	1.7	170	15
282	9.6	225	1.05	257	11.6
282	8.2	365	0.75	454	8
336	8.2	600	0.5	454	4.6
490	6.1	>0.5	600	>4.6	454
583	5.5				
>583	5.5				

注释22 / NOTE 22. 转子盘完整性和转子叶片包容性 (有特殊要求的情况下) /

ROTOR DISK INTEGRITY AND ROTOR BLADE CONTAINMENT (where special requirements apply)

保留/Reserved

--结束--

-- END--