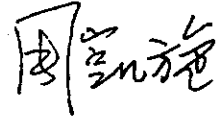


型号认可证数据单

THE VALIDATION DATA SHEET

编号/No: VTC173A
版次/Revision: 0
型号/Type: BE-103

批准人/Approved By:



日期/Date: 2005年12月22日

本数据单是型号认可证(编号: VTC173A)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: VTC173A), 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:

Beriev Aircraft Company
1, Aviatorov sq., Taganrog, 347923 Russia

机型/ For models: BE-103

有效页清单/ List of effective pages:

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

I. 概述 / GENERAL

1. 原数据单编号 / Data Sheet No: No. CT 204-Be-103
版本和批准日期 / Revision and Approve Data: Revision 01 dated December 26, 2001
2. 飞机类型 / Airworthiness Category: 正常类 / Normal Airplanes
3. 机型 / Airplane: Be-103
4. 审定当局 / Certifying Authority: Aviation Register Interstate Aviation Committee
5. 型号证持有人 / Type Certificate Holder: 别利耶夫飞机公司 / Beriev Aircraft Company
1, Aviatorov sq., Taganrog, 347923 - Russia

II. 认可审定基础 / Validation Basis

中国民用航空总局接受俄罗斯适航当局的合格审定基础作为认可审定基础: / CAAC accepts the Certification Basis of IAC AR as the Validation Basis:

- 俄罗斯航空条例 AP23 部及其 1-4 号修正案和环境保护要求 AP36 部 / Airworthiness Regulations for Light Civil Aircraft (A II-23) with Amendments 1 to 4, and Environmental Protection Requirements (A II-36).

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

有效感觉噪声级 / Perceivable Noise

Aircraft parameters with regard to perceivable noise comply with requirements specified in A II-36 Aviation Regulations. Perceivable noise certificate No. C III 126-BE 103 dated December 21, 2001.

发动机 / Engines:

型号 / Type:

TCM IO-360 ES4

安装数量 / Number of engines on aircraft:

2台 / Two

技术数据 / Technical data:

轴马力 Shaft horsepower / 时间限制 limitation of time (minutes) for operation at power / 推力设置 thrust settings specified below:

- 起飞 take-off power/thrust

210 hp / no limitation

- 最大连续功率 maximum continuous power/thrust

210 hp / no limitation

其它发动机限制见相应的发动机型号合格证数据单。

Other limitations and technical data are specified in Data Sheet for Engine Type

Certificate No. 84-II dated November 28, 1995.

燃油/Fuel

Gasoline octare grade 100/100LL, or Russian aviation grade fuel B 95/130 GOST 1012-72 of year 1992及CAAC认可的飞行手册规定的中国航空汽油

滑油/Oil

15W-50, 20W-50, SAE-30, or 10W-30

螺旋桨/Propeller

MTV-12-D-C-F-R(M)/CFR183-17

技术数据和限制见相应的发动机型号合格证数据单。

Technical data and limitations are specified in Data Sheet for Type Certificate No. CT173-BB.

允许反桨

Propeller reverse thrust is enabled.

运行限制/Operational Limitations

最大起飞重量/Maximum take-off weight
(for land and water operations)

2270 kg

飞行高度/Flight altitude

3000 m

机动载荷系数/Maneuvering load factor
(n^{lim} , max)

3.7

最大巡航速度/Maximum operating limit
cruising speed (V_{MO})

240 km/h

最大允许机动速度/Maximum speed for
maneuvering with n^{lim} , max load factor
(V_A)

193 km/h

最大收放起落架速度/Maximum landing
gear operating speed (V_{LO})

183 km/h

最大水面环绕运动速度/Maximum
allowable speed for circling motion on
water:

- 起落架放下/with landing gear extended

8 km/h

- 起落架收起/with landing gear
retracted

20 km/h

陆地起飞着陆最大风速/Maximum wind
components in conditions of take-off
from paved runway / landing on paved
runway:

- 逆风/headwind component

10 m/s

- 顺风/tailwind component

2 m/s

- 侧风起飞/crosswind component (for
take-off)

6 m/s

- 侧风着陆/crosswind component (for landing)	3 m/s
水面起飞着陆最大风速 Maximum wind components in conditions of take-off from water / landing on water	
- 逆风/headwind component	6 m/s
- 顺风/tailwind component	0 m/s
- 侧风/crosswind component	3 m/s
重心范围/C. G. Range	- 前重心限制/extreme forward C. G. limit: 17% MAC
	- 后重心限制/extreme aft C. G. limit: 23% MAC
最大允许有风浪高/Maximum allowable wind-induced wave height	0.4 m
最大允许无风浪高/Maximum allowable ripple height	0.2 m
机组/Crew	1 pilot
乘员/No. of people on board	6 (including the crew)
机场跑道类型/Aerodrome code letter and category	The aircraft can be operated from aerodromes with paved runways, code letter A, B, C, D, E; with the paved runway being dry and wet, $\mu \geq 0.3$ The aircraft can be operated from water aerodromes with the following parameters:
	- length: 1100 m
	- width: 100 m
	- depth: 1.5 m (at waves of 0.4 m)
	- length of underwater segment of seaplane ramp: 13 m
跑道地基强度 /Sub-soil strength ($\sigma_{average}$)	5 kgf/cm ²
机场高度/Aerodrome elevation	500 m
外界气温/Outside air temperature:	

