



European Union Aviation Safety Agency

EASA

**TYPE-CERTIFICATE
DATA SHEET**

EASA.A.045

L – 33 SÓLO

Type Certificate Holder:

Blanik Aircraft CZ s.r.o.
Beranových 65
190 00 Praha 9 - Letňany
Czech Republic

For models: L – 33 SÓLO

Issue 06: 13 September 2019

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A.I. General

Data Sheet No.:	EASA.A.045	Issue:	06	Date:	13 September 2019
1. Model:	L – 33 SÓLO				
2. Airworthiness Category:	Utility				
3. TC Holder:	Blanik Aircraft CZ s.r.o. Beranových 65 190 00 Praha 9 – Letňany Czech Republic				
4. Manufacturer:	from S/N 930101 to S/N 010519 LET, a. s. 686 04 Kunovice 1177 Czech Republic from S/N 020520 to S/N 030608 LETECKÉ ZÁVODY a.s. 686 04 Kunovice 1177 Czech Republic				
5. Certification Application Date:	June 14, 1991				
6. CAA CZ Type Certification Date:	December 31, 1992				
7. EASA Type Certification Date:	12 August 2005 (see Note 1)				
8. The EASA Type Certificate replaces:	Czech Type Certificate No.: 92-12				

A.II. Certification Basis

1. Reference Date for determining the the applicable requirements:	---
2. Certification Basis:	---
3. Airworthiness Requirements:	Joint Aviation Requirements for Sailplanes and Powered Sailplanes JAR-22, change 4, May 7, 1987
4. Requirements elected to comply:	None
5. EASA Special Conditions:	None
6. EASA Exemptions:	None
7. EASA Equivalent Safety Findings:	None

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. G 010 010 N
2. Description:

The glider is a cantilever single seater of all-metal structure with a T tail unit. The fuselage is oval section. The one part canopy can be tilted to the right. The landing gear consists of non-retractable main landing gear with hydro-pneumatic shock absorber and non-retractable tail wheel. The wing is of one-spar design without stringers. The plan shape is a combination of a rectangle and trapezoid. The wing is equipped with a simple air brake and with ailerons of sandwich design. The fin is two-spar all metal design fixed to the aft part of the fuselage. At the top of the vertical tail plane the horizontal tail plane attachment points are located. The metal rudder has a fabric covering. The stabilizer is of one part, two-spar trapezoid plan shape with the elevator of sandwich design without trim tab.
3. Equipment:

airspeed indicator
altimeter
four-pieces safety harnesses
automatic or manual parachutes
magnetic compass
variometer
4. Dimensions:

Span	14.12	m
Length	6.62	m
Height	1.43	m
Wing Area	11.0	m ²
Aspect Ratio	18.12	
5. Launching Hooks:

Nose tow hook " E85", LBA approved - No.:60.230/1
Safety C.G. tow hook " Europa G 88", LBA approved - No.:60.230/2
6. Weak links: ---

7. Air Speeds:				
Maneuvering speed	V _A	158	km/h	IAS
Never exceeded speed	V _{NE}	248	km/h	IAS
Maximum winch-launching speed	V _W	130	km/h	IAS
Maximum aero-towing speed	V _T	158	km/h	IAS
Rough air speed	V _{RA}	158	km/h	IAS
8. Operational Capability:				VFR Day flying
9. Maximum Weight:				340 kg
10. Centre of Gravity Range:				21 % – 39 % M.A.C. (M.A.C. = 0.824 m)
11. Leveling Means:				Leveling points No. 2 and 3 on fuselage.
12. Minimum Flight Crew:				1 (Pilot)
13. Maximum Passenger Seating Capacity:				---
14. Lifetime limitations:				Refer Maintenance Manual
15. Datum:				Leveling point No. 1 on fuselage.
16. Deflection angles of control surfaces:				
	Elevator	up	25°	+ 1°
		down	15°	+ 1°
	Ailerons	up	26°	+ 1°30'
		down	15°	± 1°
	Rudder	left, right	25°	+ 2°
	Air brakes	up	70 mm	± 5 mm
17. Load factors:				
		- 2.65; + 5.3		up to 158 km/h
		-1.5; + 4.0		up to 248 km/h

A.IV. Operating and Service Instructions

1. Flight Manual:

- In Czech language: Letová příručka L 33 SÓLO, Do-L33.1011.1
- In English language (for the USA): Sailplane Flight Manual L 33 SOLO, Do-L33.1012.3
- In English language (for Canada): Sailplane Flight Manual L 33 SOLO, Do-L33.1012.5
- In English language (for Argentina): Sailplane Flight Manual L 33 SOLO, Do-L33.1012.6
- In German language: Flughandbuch L 33 SOLO, Do-L33.1012.4

2. Maintenance Manual:

- In Czech language: Do-L33.1031.1
- In English language: Do-L33.1031.3
- In German language: Do-L33.1031.4

3. Illustrated Parts Catalogue:

- In Czech language: Katalog dílů a montážních jednotek L 33 SÓLO, Do-L33-2051.0
- In English language: Illustrated Parts Catalogue L 33 SOLO, Do-L33-2051.0

4. Operating Manuals for Tow Releases:

- In German and English language:
 - Operating Manual for Nose Tow Releases TOST "Europa E 85"
 - Operating Manual for Safety Tow Releases TOST "Europa G 88"

A.V. Notes

1. This aircraft were transferred to EASA on Accession of the Czech Republic ('grandfathered').
2. Since 20 June 2013 the TC holder obligations are covered by an agreement signed between new TC holder (BLANIK LIMITED) and Contracted DOA Holder (Aircraft Industries a.s.). For Continuing Airworthiness and other technical issues contact directly the Contracted DOA Holder.
3. Since 30 September 2016 the TC holder obligations are covered by an agreement signed between TC holder (BLANIK LIMITED) and Contracted DOA Holder (Blanik Aircraft CZ s.r.o. / EASA.21J.609). At the same time, a contract between TC holder and Aircraft Industries a.s. (EASA.21J.119) was terminated. For Continuing Airworthiness and other technical issues contact directly the new Contracted DOA Holder.
4. On 10 January 2017, Blanik Aircraft CZ s.r.o. / EASA.21J.609 became the TC holder.

ADMINISTRATIVE SECTION

I. Acronyms

N/A

II. Type Certificate Holder Record

Up to 19 June 2013

Aircraft Industries, a.s.
Na Záhonech 1177
686 04 Kunovice
Czech Republic

Up to 09 January 2017

BLANIK LIMITED
2nd Floor Beaux Lane House
Mercer Street Lower
Dublin 2
Republic of Ireland

Up to 12 September 2019

Blanik Aircraft CZ s.r.o.
Karolinská 661/4
186 00 Praha 8
Czech Republic

Since 13 September 2019

Blanik Aircraft CZ s.r.o.
Beranových 65
190 00 Praha 9 - Letňany
Czech Republic

III. Change Record

Issue	Date	Changes
01	12 August 2005	Initial issue of TCDS No. EASA.A.045
02	30 May 2006	Change in the address of the TC holder
03	20 June 2013	Change of the TC holder and new layout of TCDS
04	30 September 2016	Change of the Contracted DOA
05	10 January 2017	Change of the TC holder
06	13 September 2019	Change of the TC holder's address