

TYPE-CERTIFICATE

DATA SHEET

NO. EASA.A.364

for GROB G 115

Type Certificate Holder GROB Aircraft SE

Lettenbachstrasse 9 86874 Tussenhausen-Mattsies Germany

For models:	G 115
	G 115A
	G 115B
	G 115C
	G 115C2
	G 115D
	G 115D2
	G 115E
	G 115EG
	G 115TA



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SECTION A: G 115

A.I <u>General</u>

1. Data Sheet No.: EASA.A.364 (Note 1)

G 115

- 2. Type:
- 3. Model: G 115
- 4. Sales Designation: G 115
- 5. Manufacturer: Original Airplane Grob Werke GmbH & Co. KG Manufacturer: Unternehmensbereich Burkhart Grob Flugzeugbau

8939 Mattsies Am Flugplatz

Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG 8939 Mattsies Am Flugplatz

Spare Parts:

- See TC-Holder
- Airplane Category: Normal Utility
 EASA Application -
- 8. Certification Date: 31-March-1987 by LBA

A.II <u>Certification Basis</u>

Date:

- 1. Certification Basis: See 2.
- 2. Airworthiness FAR Part 23 dated 01-February-1965 Requirements: including Amendments 1 – 32
 - Requirements Elected to Comply: None
- 4. Special Conditions: According to LBA letter dated 02-April-1993 concerning fatigue and damage tolerance substantiation of composite structures
- 5. Equivalent Safety None Findings:
- 6. Environmental Lärmschutzforderungen für Luftfahrzeuge (LSL), Standards: Issue 01-January 1991 (Note 4)



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3.

A.III <u>Technical Characteristics and Operational Limits</u>

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115 in combination with the Equipment List in the Flight Manual		
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.36 m 2.82 m 12.21 m ²	(32.8 ft) (24.15 ft) (9.25 ft) (131.4 ft ²)
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycomir FAA E-223 (N 2800 1/min 2700 1/min	ng O-235-H2C Note 2)
5.	Propeller/s:	Type 1 TCDS No. Diameter	Hoffmann HC LBA 32.110/1 1750 mm	
		Type 2 TCDS No. Diameter	Hoffmann HC LBA 32.110/1 1750 mm	0 14HM-175 120 (68.89 in.)
		Type 3 TCDS No. Diameter	Sensenich 72 FAA P-904 (N 1780 mm	
6.	Speeds:	$\frac{\text{Normal Category}}{v_{\text{NE}} \text{ (never exceed)}} \\ v_{\text{NO}} \text{ (normal operating)} \\ v_{\text{A}} \text{ (maneuvering)} \\ v_{\text{FE}} \text{ (flaps extended)}$	303 km/h 250 km/h 176 km/h 175 km/h	(164 kts) (135 kts) (95 kts) (94 kts)
		$\frac{\text{Utility Category}}{v_{\text{NE}}}$ v_{NE} (never exceed) v_{NO} (normal operating) v_{A} (maneuvering) v_{FE} (flaps extended)	303 km/h 250 km/h 184 km/h 175 km/h	(164 kts) (135 kts) (99 kts) (94 kts)
7.	Kinds of Operation:	VFR day and night Flights into known icing o	conditions are p	prohibited.



8.	Masses:	<u>Normal Category</u> MTOM Max. Landing Mass	850 kg 850 kg	
		<u>Utility Category</u> MTOM Max. Landing Mass	800 kg 800 kg	
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at C Canopy fram	E 2480 e bottom edge
		Normal Category Most forward C.G.		f datum at 850 kg f datum at 825 kg or less
		Most rearward C.G.	298 mm aft o	•
		<u>Utility Category</u> Most forward C.G. Most rearward C.G.	199 mm aft o 298 mm aft o	
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	20 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	100 liters 91.7 liters 5.7 liters	(26.42 U.S. gal) (24.23 U.S. gal) (6 quarts)
14.	Minimum Equipment:	Refer to equipment list in	n Flight Manual	
15.	Live Limited Parts:	Refer to Maintenance Ma	anual Chapter	5
16.	Control Surface Movements:	Refer to Maintenance Ma	anual Chapter	6
A.IV	Operating and Servi	ce Instructions (Note	<u>6)</u>	
1.	Flight Manual:	Flight Manual (POH) GROB G 115 including approved supplements. German Issue 2, Revision 2 or later, English Issue 2, Rev. 2 or later		
2.	Placards:	Placards according to Fl	ight Manual	
3.	Maintenance Manual/s:	Maintenance Manual 115AB.MM.002-E Issue 2, Revision 0 or later		
4.	Further Service Information / Instructions:	Illustrated Parts Catalogo Service Bulletins and Se		5



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A.V <u>Notes</u>

- 1. This EASA TCDS, Section A is based on LBA TCDS no. 1078 for Model G 115, Issue 4 as of April 1993. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 8007 up to 8088
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB 1078-142.
- 7. S/N 8007 contains deviations compared with the other series aircraft. These are defined within the Modification Information of GROB TFE No. 1078-8007, dated 16-October-1987. Consideration of this modification information of GROB has to be confirmed in the acceptance report and in any inspection report in the corresponding inspection certificate under "Remarks and Comments".
- 8. The installation of the Sensenich propeller according to Service Bulletin TM1078-7 is permitted. Such equipped aircrafts are to be operated according to the LBA approved pages of the Flight Manual included in the Service Bulletin TM1078-7.
- 9. For G115 models, the operational Service Life is extended from 12.000FH on, if additional 12.000FH inspection i.a.w. MSB1078-161, latest approved issue, is accomplished.



SECTION B: G 115A

B.I <u>General</u>	
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1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115A G 115A G 115A	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG 8939 Mattsies Am Flugplatz
		Spare Parts:	See TC-Holder
6.	Airplane Category:	Normal Utility	
7.	EASA Application Date:	-	
8.	Certification Date:	30-October-1989 by LBA	A
B.II	Certification Basis	<u>.</u>	
B.II 1.	Certification	See 2.	
		-	
1.	Certification Basis: Airworthiness	See 2. FAR Part 23 dated 01-Fe	
1. 2.	Certification Basis: Airworthiness Requirements: Requirements Elected to	See 2. FAR Part 23 dated 01-Fe including Amendments 1 None According to LBA letter of	
1. 2. 3.	Certification Basis: Airworthiness Requirements: Requirements Elected to Comply: Special	See 2. FAR Part 23 dated 01-Fe including Amendments 1 None According to LBA letter of	ated 02-April-1993 concerning fatigue



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B.III Technical Characteristics and Operational Limits

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115 as of S/N 8090, dated 10-October-1989 in combination with the Equipment List in the Flight Manual		
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.36 m 2.82 m 12.21 m ²	(32.8 ft) (24.15 ft) (9.25 ft) (131.4 ft ²)
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycomin FAA E-223 (N 2800 1/min 2700 1/min	•
5.	Propeller/s:	Type 1 TCDS No. Diameter	Hoffmann HO LBA 32.110/1 1750 mm	14-175 120 (68.89 in.)
		Type 2 TCDS No. Diameter	Hoffmann HO LBA 32.110/1 1750 mm	14HM-175 120 (68.89 in.)
		Type 3 TCDS No. Diameter	Sensenich 72 FAA P-904 (N 1780 mm	
6.	Speeds:	Normal Category v_{NE} (never exceed) v_{NO} (normal operating) v_A (maneuvering) v_{FE} (flaps extended)	303 km/h 250 km/h 176 km/h 175 km/h	(164 kts) (135 kts) (95 kts) (94 kts)
		$\frac{\text{Utility Category}}{v_{\text{NE}} \text{ (never exceed)}} \\ v_{\text{NO}} \text{ (normal operating)} \\ v_{\text{A}} \text{ (maneuvering)} \\ v_{\text{FE}} \text{ (flaps extended)}$	303 km/h 250 km/h 184 km/h 175 km/h	(164 kts) (135 kts) (99 kts) (94 kts)
7.	Kinds of Operation:	VFR day and night Flights into known icing c	conditions are p	prohibited.



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8.	Masses:	<u>Normal Category</u> MTOM Max. Landing Mass	850 kg 850 kg	
		<u>Utility Category</u> MTOM Max. Landing Mass	800 kg 800 kg	
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference) Wing LE at QE 2480 Canopy frame bottom edge	
		Normal Category Most forward C.G.	199 mm aft o	f datum at 850 kg f datum at 825 kg or less
		Most rearward C.G.	298 mm aft o	f datum
		<u>Utility Category</u> Most forward C.G. Most rearward C.G.	199 mm aft o 298 mm aft o	
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	20 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	100 liters 91.7 liters 5.7 liters	(26.42 U.S. gal) (24.23 U.S. gal) (6 quarts)
14.	Minimum Fauipmont:	Refer to equipment list in	Ianual Chapter 5	
15.	Equipment: Live Limited Parts:	Refer to Maintenance Ma		
16.	Control Surface Movements:	Refer to Maintenance Ma		



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B.IV Operating and Service Instructions (Note 6)

1. Flight Manual (POH) GROB G 115 including approved Flight Manual: supplements. German Issue 2, Revision 2 or later, English Issue 2, Rev. 2 or later 2. Placards: Placards according to Flight Manual 3. Maintenance Maintenance Manual 115AB.MM.002-E Issue 2, Revision 0 or Manual/s: later 4. Further Service Illustrated Parts Catalogue GROB G 115 Service Bulletins and Service Letters Information / Instructions:

B.V <u>Notes</u>

- 1. This EASA TCDS, Section B is based on LBA TCDS no. 1078 for Model G 115A, Issue 4 as of April 1993. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 8090 up to 8109
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-142.
- 7. The installation of the Sensenich propeller according to Service Bulletin TM1078-7 is permitted. Such equipped aircrafts are to be operated according to the LBA approved pages of the Flight Manual included in the Service Bulletin TM1078-7.
- 8. For G115A models, the operational Service Life is extended from 12.000FH on, if additional 12.000FH inspection i.a.w. MSB1078-161 latest approved issue, is accomplished



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SECTION C: G 115B

C.I <u>General</u>

- 1. Data Sheet No.: EASA.A.364 (Note 1)
- 2. Type: G 115
- 3. Model: G 115B
- 4. Sales G 115B
- Designation: 5. Manufacturer: Original Airplane Burkhart Grob Luft- und Raumfahrt Manufacturer: GmbH & Co. KG 8939 Mattsies

Am Flugplatz Grob Werke GmbH & Co. KG Unternehmensbereich Burkhart Grob Flugzeugbau 8939 Mattsies

Spare Parts:

See TC-Holder

Am Flugplatz

- Airplane Normal Category: Utility
 EASA Application -
- Date:
- 8. Certification Date: 08-April-1993 by LBA

C.II <u>Certification Basis</u>

- Certification See 2. Basis:
 Airworthiness FAR Part 23 dated 01-February-1965 Requirements: including Amendments 1 – 32
- 3. Requirements
- Elected to None Comply:
- 4. Special According to LBA letter dated 02-April-1993 concerning fatigue and damage tolerance substantiation of composite structures
- Equivalent Safety None Findings:
 Environmental Lärmschutzforderunge
 - 5. Environmental Lärmschutzforderungen für Luftfahrzeuge (LSL), Standards: Issue 01-January-1991 (Note 4)



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C.III Technical Characteristics and Operational Limits

1. Drawings according Master Record Index GROB G 115B dated Type Definition Reference: 16-February-1993 in combination with the Equipment List in the Flight Manual 2. General Design Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel Features: arrangement, normal tail plane 3. **Dimensions:** Span 10.0 m (32.8 ft) 7.36 m Length (24.15 ft) Height 2.82 m (9.25 ft) Wing Area 12.21 m² (131.4 ft²) 4. Avco Lycoming O-320-D2A Engine/s: Type 1 TCDS No. FAA E-274 (Note 2) Max RPM 2700 1/min Max cont. RPM 2700 1/min Avco Lycoming O-320-D1A Type 2 TCDS No. FAA E-274 (Note 2) Max RPM 2700 1/min Max cont. RPM 2700 1/min Type 3 Avco Lycoming O-320-D3G TCDS No. FAA E-274 (Note 2) Max RPM 2700 1/min Max cont. RPM 2700 1/min Sensenich 74DM6S5-2-64 5. Propeller/s: Type TCDS No. FAA P-886 (Note 2) Diameter (72.05 in.) 1830 mm Speeds: Normal Category 6. v_{NE} (never exceed) 295 km/h (159 kts) (129 kts) v_{NO} (normal operating) 240 km/h v_A (maneuvering) 186 km/h (100 kts) v_{FE} (flaps extended) (94 kts) 175 km/h Utility Category 295 km/h v_{NE} (never exceed) (159 kts) v_{NO} (normal operating) 240 km/h (129 kts) v_A (maneuvering) 192 km/h (104 kts) VFE (flaps extended) 175 km/h (94 kts) 7. Kinds of VFR day and night Operation: Flights into known icing conditions are prohibited.



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8.	Masses:	<u>Normal Category</u> MTOM Max. Landing Mass	920 kg 920 kg	
		<u>Utility Category</u> MTOM Max. Landing Mass	850 kg 850 kg	
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at C Canopy fram	QE 2480 e bottom edge
		<u>Normal Category</u> Most forward C.G. Most rearward C.G.	255 mm aft of datum at 920 kg 199 mm aft of datum at 840 kg or 298 mm aft of datum	
		Utility Category		
		Most forward C.G.		of datum at 850 kg of datum at 800 kg or less
		Most rearward C.G.	298 mm aft c	0
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	20 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	112 liters 107 liters 7.6 liters	(29.59 U.S. gal) (28.27 U.S. gal) (8.0 quarts)
14.	Minimum	Refer to equipment list in	n Flight Manua	I
15.	Equipment: Live Limited	Refer to Maintenance M	anual Chapter	5
16.	Parts: Control Surface Movements:	Refer to Maintenance M	anual Chapter	6
C.IV	Operating and Ser	rvice Instructions (Not	<u>e 6)</u>	
1.	Flight Manual:	0	0	approved supplements. h Issue 1, Rev. 1 or later,
2.	Placards:	Placards according to Fl	ight Manual	
3.	Maintenance Manual/s:	Maintenance Manual 11 later	5AB.MM.002-E	E Issue 2, Revision 0 or
4.	Further Service Information / Instructions:	Illustrated Parts Catalog Service Bulletins and Se		15B



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C.V <u>Notes</u>

- 1. This EASA TCDS, Section C is based on LBA TCDS no. 1078 for Model G 115B, Issue 1 as of April 1993. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. The Model G 115B is derived from Model G 115 and Model G 115A by optional conversion in accordance with Service Bulletin TM1078-27, which is valid for S/N's 8008 up to 8088 and 8090 up to 8109.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-143.
- 7. For G115B models, the operational Service Life is extended from 12.000FH on, if additional 12.000FH inspection i.a.w. MSB1078-161, latest approved issue, is accomplished.



SECTION D: G 115C

D.I	<u>General</u>			
1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115C G 115C / G 115C1 ACR	O (Note 8)	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG 8939 Mattsies Am Flugplatz	
		Spare Parts:	See TC-Holder	
6.	Airplane Category:	Utility Acrobatic (Note 8)		
7.	EASA Application	-		
8.	Certification Date:	05-August-1993 by LBA		
D.II	Certification Basis			
1.	Certification Basis:	See 2.		
2.	Airworthiness Requirements:	FAR Part 23 dated 01-F including Amendments		
3.	Requirements Elected to Comply:	None		
4.	Special Conditions:	According to LBA letter 02-April-1993 concernin substantiation of compo	g fatigue and damage tolerance	
5.	Equivalent Safety	None		
6.	Findings: Environmental Standards:	Lärmschutzforderungen Issue 01-January-1991	für Luftfahrzeuge (LSL), (Note 4)	



D.III <u>Technical Characteristics and Operational Limits</u>

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115C dated 09-July-1993 in combination with the Equipment List in the Flight Manual		
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.53 m 2.82 m 12.21 m²	(32.8 ft) (24.7 ft) (9.25 ft) (131.4 ft ²)
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycoming O-320-D1A FAA E-274 (Note 2) 2700 1/min 2700 1/min	
5.	Propeller/s:	Type TCDS No. Diameter	Sensenich 74DM7S14-2-64 FAA P-886 (Note 2) 1830 mm (72.05 in.)	
6.	Speeds:	$\frac{\text{Utility Category}}{v_{\text{NE}} \text{ (never exceed)}} \\ v_{\text{NO}} \text{ (normal operating)} \\ v_{\text{A}} \text{ (maneuvering)} \\ v_{\text{FE}} \text{ (flaps extended)}$	341 km/h 248 km/h 212 km/h 208 km/h	(184 kts) (134 kts) (114 kts) (112 kts)
7.	Kinds of Operation:	VFR day and night, IFR Flights into known icing o	conditions are	prohibited.
8.	Masses:	<u>Utility Category</u> MTOM Max. Landing Mass	990 kg 990 kg	
9.	Center of Gravity Range:	Reference Datum (BE) Leveling Reference	Wing LE at QE 2480 Canopy frame bottom edge	
		<u>Utility Category</u> Most forward C.G.		f datum at 990 kg f datum at 750 kg
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	



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12.	Baggage:	Baggage compartment max. baggage mass	55 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.6 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.0 quarts)
14.	Minimum Equipment:	Refer to equipment list in	n Flight Manua	

- 15. Live Limited Parts: Refer to Maintenance Manual G 115C/D Chapter 5
- 16. Control Surface Refer to Maintenance Manual G 115C/D Chapter 6 Movements:

D.IV Operating and Service Instructions (Note 6)

- 1. Flight Manual: Flight Manual GROB G 115C including approved supplements. German Issue 2, Rev. 6 or later, English Issue 2, Rev. 6 or later
- 2. Placards: Placards according to Flight Manual
- 3.Maintenance
Manual/s:Maintenance Manual GROB G 115C/D. English Issue 3,
Rev. 7 or later
- 4. Further Service Illustrated Parts Catalogue GROB G 115C/D Information / Service Bulletins and Service Letters Instructions:

D.V <u>Notes</u>

- 1. This EASA TCDS, Section D is based on LBA TCDS no. 1078 for Model G 115C, Issue 4 as of January 1996. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 82001/C and further S/N's with the extension /C.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-144.



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Issue: 04

7. Deviating from Section D.IV 1: S/N 82001/C has to be operated with Flight Manual Grob G 115C, Issue 1, dated 03-Mai-1993.

GROB G 115

8. Model G 115C airplanes from S/N 82005/C are approved for limited acrobatic operation in the acrobatic category following accomplishment of Service Bulletin TM1078-55. The equipment specified in TM1078-55 may either be installed in full or partially ex works. The Sales Designation of these airplanes is "G 115C1 ACRO". This variant of the Model G 115C was certified on 18-January-1996.

The converted S/N's are identified by a "1" behind the /C.

Supplement 2 to the Flight Manual G 115C, LBA approved 18-January-1996, latest revision, applies for operation in the acrobatic category.

The variant deviates from the baseline Model G 115C as follows:

Section D.III 6.:	Acrobatic Category v _A (maneuvering)	237 km/h (128 kts)
Section D.III 8.:	Acrobatic Category MTOWM Max. Landing Mass	920 kg 920 kg
Section D.III 9.:	Acrobatic Category Most forward C.G. Most rearward C.G.	219 mm aft of datum at 920 kg 197 mm aft of datum at 750 kg 295 mm aft of datum at 920 kg 288 mm aft of datum at 750 kg

9. For G115C models with Service Bulletin TM1078-55 NOT accomplished the operational Service Life is extended from 12.000FH on, if additional 12.000FH inspection i.a.w. MSB1078-161, latest approved issue, is accomplished.

For G115C models with Service Bulletin TM1078-55 accomplished (models with sales designation G115C1 ACRO) the Service Life is NOT extended.



SECTION E: G 115C2

E.I	<u>General</u>		
1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115C2 G 115C2	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG 8939 Mattsies Am Flugplatz
		Spare Parts:	See TC-Holder
6. 7.	Airplane Category: EASA Application Date:	Utility -	
8.	Certification Date:	17-June-1994 by LBA	
E.II	Certification Basis		
E.II 1.	Certification Basis Certification Basis:	See 2.	
		See 2. FAR Part 23 dated 01-F including Amendments	
1.	Certification Basis: Airworthiness	FAR Part 23 dated 01-F	
1. 2.	Certification Basis: Airworthiness Requirements: Requirements	FAR Part 23 dated 01-F including Amendments None According to LBA letter	1 – 32 1335-1078/93/B1 as of g fatigue and damage tolerance
1. 2. 3.	Certification Basis: Airworthiness Requirements: Requirements Elected to Comply:	FAR Part 23 dated 01-F including Amendments None According to LBA letter 02-April-1993 concernin	1 – 32 1335-1078/93/B1 as of g fatigue and damage tolerance



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E.III Technical Characteristics and Operational Limits

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115C dated 09-July-1993 in combination with the Equipment List in the Flight Manual			
2.	General Design Features:		cantilever monoplane in with fixed landing gear in nose mal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.53 m 2.82 m 12.21 m ²	(32.8 ft) (24.7 ft) (9.25 ft) (131.4 ft ²)	
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycoming O-360-A1F6 FAA E-286 (Note 2) 2700 1/min 2700 1/min		
5.	Propeller/s:	Туре	Hartzell		
		TCDS No. Diameter	HC-F2YR- FAA P27EA (1855 mm	1F/F7666A-3R Note 2) (73.03 in.)	
6.	Speeds:	v_{NE} (never exceed) v_{NO} (normal operating) v_A (maneuvering) v_{FE} (flaps extended)	341 km/h 248 km/h 212 km/h 208 km/h	(184 kts) (134 kts) (114 kts) (112 kts)	
7.	Kinds of Operation:	VFR day and night, IFR Flights into known icing	conditions are	prohibited.	
8.	Masses:	MTOM Max. Landing Mass	990 kg 990 kg		
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at Q Canopy frame		
		Most forward C.G.		f datum at 990 kg f datum at 750 kg	
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg	
10.	Minimum Crew:		1 Pilot		
11.	Number of Seats:		2		
12.	Baggage:	Baggage compartment max. baggage mass	55 kg		



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13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.6 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.0 quarts)

- 14. Minimum Equipment: Refer to equipment list in Flight Manual
- 15. Live Limited Parts: Refer to Maintenance Manual Chapter 5
- 16. Control Surface Refer to Maintenance Manual Chapter 6 Movements:

E.IV Operating and Service Instructions (Note 6)

1.	Flight Manual:	Flight Manual GROB G 115C2 including approved supplements. German Issue 1, Rev. 3 or later, English Issue 1, Rev. 5 or later
2.	Placards:	Placards according to Flight Manual
3.	Maintenance Manual/s:	Maintenance Manual GROB G 115C/D. English Issue 3, Rev. 7 or later
4.	Further Service Information / Instructions:	Illustrated Parts Catalogue GROB G 115C/D Service Bulletins and Service Letters

E.V <u>Notes</u>

- 1. This EASA TCDS, Section E is based on LBA TCDS no. 1078 for Model G 115C2, Issue 2 as of March 1995. Approved data referring to the original LBA TCDS number remain further valid.
- The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 82015/C2 and further S/N's with the extension /C2.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-144.
- 7. For G 115C2 models, the operational Service Life is extended from 12.000FH on, if additional 12.000FH inspection i.a.w. MSB1078-161, latest approved issue, is accomplished.



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SECTION F: G 115D

F.I	<u>General</u>		
1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115D G 115D G 115D	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG Flugplatz Mattsies 86874 Tussenhausen
		Spare Parts:	See TC-Holder
6.	Airplane Category:	Utility Acrobatic	
7.	EASA Application Date:	-	
8.	Certification Date:	23-September-1993 by	LBA
F.II	Certification Basis		
1.	Certification Basis:	See 2.	
2.	Airworthiness Requirements:	FAR Part 23 dated 01-F including Amendments	
3.	Requirements Elected to Comply:	None	
4.	Special Conditions:	According to LBA letter 1 02-April-1993 concernin substantiation of compo	g fatigue and damage tolerance
5.	Equivalent Safety Findings:	None	
6.	Environmental Standards:	Lärmschutzforderungen Issue 01-January-1991	für Luftfahrzeuge (LSL), (Note 4)



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F.III Technical Characteristics and Operational Limits

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115D dated 07-September-1993 in combination with the Equipment List in the Flight Manual		
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.6 m 2.82 m 12.21 m ²	(32.8 ft) (24.9 ft) (9.25 ft) (131.4 ft ²)
4.	Engine/s:	Type TCDS No.	Avco Lycomir FAA 1E10 (N EASA.IM.E	
		Max RPM Max cont. RPM	2700 1/min 2500 1/min	
5.	Propeller/s:	Type 1	Hoffmann HO-V 343	K()-V/180FP
		TCDS No. Diameter	LBA 32.130/9 1800 mm	
		Type 2	Mühlbauer MTV-12-B·	·C/C183-17e
		TCDS No. Diameter	EASA.P.013 1830 mm	(72.05 in.)
6.	Speeds:	$\frac{\text{Utility Category}}{v_{\text{NE}} \text{ (never exceed)}} \\ v_{\text{NO}} \text{ (normal operating)} \\ v_{\text{A}} \text{ (maneuvering)} \\ v_{\text{FE}} \text{ (flaps extended)}$	341 km/h 248 km/h 212 km/h 208 km/h	(184 kts) (134 kts) (114 kts) (112 kts)
		$\frac{Acrobatic Category}{v_{NE} (never exceed)} \\ v_{NO} (normal operating) \\ v_A (maneuvering) \\ v_{FE} (flaps extended)$	341 km/h 248 km/h 237 km/h 208 km/h	(184 kts) (134 kts) (128 kts) (112 kts)
7.	Kinds of Operation:	VFR day and night, IFR Flights into known icing	conditions are	prohibited.
8.	Masses:	<u>Utility Category</u> MTOM Max. Landing Mass	990 kg 990 kg	
		<u>Acrobatic Category</u> MTOM Max. Landing Mass	920 kg 920 kg	



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9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at C Canopy fram	E 2480 e bottom edge
		<u>Utility Category</u> Most forward C.G.		f datum at 990 kg f datum at 750 kg
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg
		Acrobatic Category Most forward C.G.		f datum at 920 kg f datum at 750 kg
		Most rearward C.G.		f datum at 920 kg f datum at 750 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	55 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.6 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.0 quarts)
14.	Minimum Equipment:	Refer to equipment list i	n Flight Manua	l
15.	Live Limited Parts:	Refer to Maintenance M	lanual G 115C	/D Chapter 5
16.	Control Surface Movements:	Refer to Maintenance M	lanual G 115C	/D Chapter 6
F.IV	Operating and Servic	e Instructions (Note 6	5 <u>)</u>	
1.	Flight Manual:	Flight Manual GROB G 115D including approved supplements. German Issue 2, Rev. 4 or later, English Issue 2, Rev. 6 or later		
2.	Placards:	Placards according to F	light Manual	
3.	Maintenance Manual/s:	Maintenance Manual GI Rev. 5 or later	ROB G 115C/E). English Issue 3,
4.	Further Service Information / Instructions:	Illustrated Parts Catalog Service Bulletins and Se		15C/D



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F.V <u>Notes</u>

- 1. This EASA TCDS, Section F is based on LBA TCDS no. 1078 for Model G 115D, Issue 4 as of October 1997. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 82003/D and further S/N's with the extension /D.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-144.
- 7. Deviating from Section F.IV 1: S/N 82003/D has to be operated with Flight Manual Grob G 115D, Issue 1, dated 03-Mai-1993.



SECTION G: G 115D2

G.I <u>General</u>

1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115D2 G 115D2 G 115D2	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG Flugplatz Mattsies 86874 Tussenhausen
		Spare Parts:	See TC-Holder
6.	Airplane Category:	Utility Acrobatic	
7.	EASA Application Date:	-	
8.	Certification Date:	17-February-1994 by Ll	ЗА
G.II	Certification Basis		
G.II 1.	Certification Basis	See 2.	
		See 2. FAR Part 23 dated 01-F including Amendments	
1.	Certification Basis: Airworthiness	FAR Part 23 dated 01-F	
1. 2.	Certification Basis: Airworthiness Requirements: Requirements	FAR Part 23 dated 01-F including Amendments None According to LBA letter	1 – 32 1335-1078/93/B1 as of ng fatigue and damage tolerance
1. 2. 3.	Certification Basis: Airworthiness Requirements: Requirements Elected to Comply:	FAR Part 23 dated 01-F including Amendments None According to LBA letter 02-April-1993 concernir	1 – 32 1335-1078/93/B1 as of ng fatigue and damage tolerance



G.III <u>Technical Characteristics and Operational Limits</u>

1.	Type Definition Reference:	Drawings according Master Record Index GROB G 115D including "Änderungsliste zur ÄM 1078-6" dated 17-January-1994 in combination with the Equipment List in the Flight Manual			
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane			
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.6 m 2.82 m 12.21 m ²	(32.8 ft) (24.9 ft) (9.25 ft) (131.4 ft ²)	
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycoming AEIO-320-D1B FAA 1E12 (Note 2) 2700 1/min 2700 1/min		
5.	Propeller/s:	Type TCDS No. Diameter	Hoffmann HO 23 CHM- LBA 32.110/ [,] 1880 mm		
6.	Speeds:	$\frac{\text{Utility Category}}{v_{\text{NE}} \text{ (never exceed)}} \\ v_{\text{NO}} \text{ (normal operating)} \\ v_{\text{A}} \text{ (maneuvering)} \\ v_{\text{FE}} \text{ (flaps extended)}$	308 km/h	(166 kts) (134 kts) (114 kts) (112 kts)	
		$\frac{Acrobatic Category}{v_{NE} (never exceed)} \\ v_{NO} (normal operating) \\ v_A (maneuvering) \\ v_{FE} (flaps extended)$	308 km/h 248 km/h 237 km/h 208 km/h	(166 kts) (134 kts) (128 kts) (112 kts)	
7.	Kinds of Operation:	VFR day and night, IFR Flights into known icing	conditions are	prohibited.	
8.	Masses:	<u>Utility Category</u> MTOM Max. Landing Mass	990 kg 990 kg		
		<u>Acrobatic Category</u> MTOM Max. Landing Mass	920 kg 920 kg		



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9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at Q Canopy fram	E 2480 e bottom edge
		<u>Utility Category</u> Most forward C.G.		f datum at 990 kg f datum at 750 kg
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg
		Acrobatic Category Most forward C.G.		f datum at 920 kg f datum at 750 kg
		Most rearward C.G.		f datum at 920 kg f datum at 750 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	55 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.6 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.0 quarts)
14.	Minimum Equipment:	Refer to equipment list i	n Flight Manua	I
15.	Live Limited Parts:	Refer to Maintenance M	lanual G 115C/	D Chapter 5
16.	Control Surface Movements:	Refer to Maintenance M	lanual G 115C/	D Chapter 6
G.IV	Operating and Servic	e Instructions (Note 6	<u>5)</u>	
1.	Flight Manual:	Flight Manual (POH) GF supplements. German Is Issue 1, Rev. 11 or later	ssue 1, Rev. 6	
2.	Placards:	Placards according to F	light Manual	
3.	Maintenance Manual/s:	Maintenance Manual Gl Rev. 5 or later	ROB G 115C/D). English Issue 3,
4.	Further Service Information / Instructions:	Illustrated Parts Catalog Service Bulletins and Se		15C/D



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G.V <u>Notes</u>

- 1. This EASA TCDS, Section G is based on LBA TCDS no. 1078 for Model G 115D2, Issue 4 as of March 1995. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 82002/D2 and further S/N's with the extension /D2.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-144.
- 7. S/N 82002/D2 contains modifications compared with other production aircraft. These are defined by the Concession Production Permits No. 82002/01 through -/06 and No. 82002E01 through E11. Therefore, this aircraft must be operated differing from section G.IV according to the Flight Manual GROB G 115D2 (German version), Issue 1, dated 12-December-1994, LBA approved 28-February-1995. In addition, the aircraft is limited to VFR day operation, an upgrade to IFR and/or VFR Night operation is not permitted due to technical reasons. Also, the aircraft must be maintained by the aircraft manufacturer.



SECTION H: G 115E

H.I	General		
1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115E G 115E G 115E	
		With OCN 1078-268 and -269	9 installed: G 115BD
5.	Manufacturer:	S/N´s 82086/E through 82199/E	Dr. hc. Mult. DiplIng. Burkhart Grob e.K. Unternehmensbereich Luft- und Raumfahrt Lettenbachstrasse 9 86874 Tussenhausen
		S/N´s 82301/E through 82323/E	GROB Aircraft AG Lettenbachstrasse 9 86874 Tussenhausen- Mattsies
		Later S/N´s and Spare Parts:	See TC-Holder
6.	Airplane Category:	Acrobatic With OCN 1078-269: Utility	
7.	EASA Application Date:	-	
8.	Certification Date:	09-July-1999 by LBA	



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H.II <u>Certification Basis</u>

1.	Certification Basis:	See 2.
2.	Airworthiness Requirements:	FAR Part 23 dated 01-February-1965 including Amdt. 1 – 32, 23.1323 Amdt. 49
		For change no. OCN 1078-268: CS-23 Amdt. 4: 23.1306 and 23.1308 CS-ACNS Issue 4
3.	Requirements Elected to Comply:	None
4.	Special Conditions:	According to LBA circular I335-1078/93/B1 as of 02-April-1993 concerning fatigue and damage tolerance substantiation of composite structures
		For change no. OÄM1078-068: SC-F23.1309-02, Protection from the effects of HIRF
5.	Equivalent Safety Findings:	None
6.	Environmental Standards:	Without OCN 1078-269: Model G 115E is exempted from the proof of noise protection requirements (LSL, exemption acrobatic aircraft)

With OCN 1078-269: CS-36 Amdt. 6

H.III Technical Characteristics and Operational Limits

1.	Type Definition	Master Document Index Model G 115E,
	Reference:	DE-G115E-000100; Revision 0 or later approved issue
		(Note 7)

2. General Design Features: Single engine, low-wing cantilever monoplane in composite construction, with fixed landing gear in nose wheel arrangement, normal tail plane

3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.54 m 2.4 m 12.21 m ²	(32.8 ft) (24.7 ft) (7.9 ft) (131.4 ft ²)	
4.	Engine/s:	Type TCDS No.	Avco Lycomi FAA 1E10 (N EASA.IM.I	· /	
		Max RPM Max cont. RPM	2700 1/min 2700 1/min		



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5.	Propeller/s: (Note 8)	Type TCDS No. Diameter	Hoffmann HO-V 343 LBA 32.130/9 1830 mm	K-V/183 GY 0 (72.05 in.)
6.	Speeds:	v_{NE} (never exceed) v_{NO} (normal operating) v_A (maneuvering) v_{FE} (flaps extended)	(341 km (278 km (241 km (204 km	/h) 184 kts /h) 150 kts /h) 130 kts
		with OCN 1078-269: v _A (maneuvering)	(205 km	/h) 111 kts
7.	Kinds of Operation:	VFR day and night, IFR Flights into known icing	conditions are	prohibited.
8.	Masses:	MTOM Max. Landing Mass	990 kg 990 kg	
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at Q Canopy frame	E 2480 e bottom edge
		Most forward C.G.		f datum at 990 kg f datum at 750 kg
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	55 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.8 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.2 quarts)
14.	Minimum Equipment:	Refer to equipment list in	n Flight Manua	I
15.	Live Limited Parts:	Refer to Maintenance M	anual G 115E	Chapter 05-10
16.	Control Surface Movements:	Refer to Maintenance M	anual G 115E	Chapter 27-00



H.IV Operating and Service Instructions (Note 6)

1. Flight Manual: Flight Manual GROB G 115E, Doc. No.: 115.PO.025-E including approved supplements. English Issue 2, Rev. 10 or later

With OCN 1078-268 and -269: Flight Manual G 115BD, Doc. No.: 1T-115BD-1

- 2. Placards: Placards according to Flight Manual
- 3.Maintenance
Manual/s:Maintenance Manual GROB G 115E; English Issue 2,
Revision 5 or later
- 4. Further Service Illustrated Parts Catalogue GROB G 115E Information / Service Bulletins and Service Letters Instructions:

H.V <u>Notes</u>

- 1. This EASA TCDS, Section H is based on LBA TCDS no. 1078 for Model G 115E, Issue 5 as of June 2002. Approved data referring to the original LBA TCDS number remain further valid.
- The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N´s 82086/E to 82199/E and further S/N´s from S/N 82301 on with the extension /E.
- 4. With OCN 1078-269: For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-145.
- Besides the general changes specified in chapter "Change Record", the section H of this EASA TCDS includes the following updates compared with the LBA TCDS no. 1078 for Model G 115E, Issue 5:
 - Amendment of Certification basis and Special Condition in section H.II as introduced for certification of the Major Change in accordance with change note OÄM1078-068 for optional equipment,
 - changed type definition reference in section H.III.
- 8. Aircraft S/N 82330/E on are equipped ex-works with MT Propeller MTV-12-B-C/C183-17e i.a.w. STC 10043263 by MT-Propeller Entwicklung GmbH.



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SECTION J: G 115EG

J.I <u>General</u>

- 1.
 Data Sheet No.:
 EASA.A.364 (Note 1)

 2.
 Type:
 G 115
- Type:
 Model:
 - Model: G 115EG
- 4. Sales Designation: G 115EG
- 5. Manufacturer: S/N´s 82085 and GROB-Werke 82200 to 82273 Burkhart Grob e. K.

Burkhart Grob e. K. Unternehmensbereich Luft- und Raumfahrt Lettenbachstrasse 9 86874 Tussenhausen-Mattsies

Dr. hc. Mult. Dipl.-Ing. Burkhart Grob e.K. Unternehmensbereich Luft- und Raumfahrt Lettenbachstrasse 9 86874 Tussenhausen

Grob-Werke GmbH & Co. KG Am Flugplatz 86874 Tussenhausen-Mattsies

Later S/N's and Spare See TC-Holder Parts:

- 6. Airplane Category: Acrobatic
- 7. EASA Application
- Date:
- 8. Certification Date: 17-November-2000 by LBA



J.II	Certification Basis			
1.	Certification Basis:	See 2.		
2.	Airworthiness Requirements:	FAR Part 23 dated 01-F including Amdt. 1 – 32	February-1965	
3.	Requirements Elected to Comply:	None		
4.	Special Conditions:	According to LBA circul 02-April-1993 concernir substantiation of compo	ng fatigue and	damage tolerance
5.	Equivalent Safety	None		
6.	Findings: Environmental Standards:	Model G 115EG is exer protection requirements	•	•
J.III	Technical Character	istics and Operational	Limits	
1.	Type Definition Reference:	Drawings according to I G 115EG, dated 31-Jul		g Index Model
2.	General Design Features:	Single engine, low-wing composite construction wheel arrangement, no	, with fixed land	
3.	Dimensions:	Span Length Height Wing Area	10.0 m 7.54 m 2.4 m 12.21 m²	(32.8 ft) (24.7 ft) (7.9 ft) (131.4 ft ²)
4.	Engine/s:	Type TCDS No. Max RPM	Avco Lycomi FAA 1E10 (N EASA.IM. 2700 1/min	
		Max cont. RPM	2700 1/min	
5.	Propeller/s:	Туре		3-C/C183-17e
		TCDS No. Diameter	EASA.P.013 1830 mm	(72.05 in.)
6.	Speeds:	v_{NE} (never exceed) v_{NO} (normal operating) v_A (maneuvering) v_{FE} (flaps extended)	(341 km/h) (278 km/h) (241 km/h) (204 km/h)	184 kts 150 kts 130 kts 110 kts
7.	Kinds of Operation:	VFR day and night Flights into known icing	conditions are	prohibited.



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8.	Masses:	MTOM Max. Landing Mass	990 kg 990 kg	
9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Wing LE at Q Canopy frame	E 2480 e bottom edge
		Most forward C.G.		f datum at 990 kg f datum at 750 kg
		Most rearward C.G.		f datum at 990 kg f datum at 750 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage Mass	55 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	150 liters 143 liters 7.8 liters	(39.63 U.S. gal) (37.77 U.S. gal) (8.2 quarts)
14.	Minimum Equipment:	Refer to equipment list in	n Flight Manua	I
15.	Live Limited Parts:	Refer to Maintenance D	ocuments G 1 ²	15EG Chapter 05-10
16.	Control Surface Movements:	Refer to Maintenance D	ocuments G 1 ⁷	15EG Chapter 27-00
J.IV	Operating and Servic	e Instructions (Note 6	<u>5)</u>	
1.	Flight Manual:	Flight Manual GROB G 115EG including approved supplements. German Issue 1, Rev. 0 or later, English Issue 1, Rev. 1 or later		
2.	Placards:	Placards according to Flight Manual		
3.	Maintenance Manual/s:	Maintenance Documents GROB G 115EG. English Issue 1, Revisions see Service Bulletin named in note 5.		
4.	Further Service Information / Instructions:	Illustrated Parts Catalog Service Bulletins and Se		15EG



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J.V <u>Notes</u>

- 1. This EASA TCDS, Section J is based on LBA TCDS no. 1078 for Model G 115EG, Issue 2 as of June 2002. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 82200 up to 82273 and, in case production will be resumed, for later Model G 115EG airplanes, which will be identified with the extension /EG to their S/N. This TCDS also applies to the G 115EG, S/N 82085, which has been operated under a Permit to Fly by GROB, in case the airplane will be subject to conformity inspection and registration.
- 4. Reserved
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-146.



SECTION K: G 115TA

K.I	<u>General</u>		
1. 2. 3. 4.	Data Sheet No.: Type: Model: Sales Designation:	EASA.A.364 (Note 1) G 115 G 115TA G 115TA G 115TA	
5.	Manufacturer:	Original Airplane Manufacturer:	Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG Flugplatz Mattsies 86874 Tussenhausen
		Spare Parts:	See TC-Holder
6.	Airplane Category:	Utility Acrobatic	
7.	EASA Application Date:	-	
8.	Certification Date:	05-December-1996 by l	_BA
K.II	Certification Basis		
1.	Certification Basis:	See 2.	
2.	Airworthiness Requirements:	FAR Part 23 including A Amendment 44	mendments 1 – 45, excluding
3.	Requirements Elected to Comply:	None	
4.	Special Conditions:		l and Electronic Systems from High s (HIRF)", LBA Az.: I 331 as of
5.	Equivalent Safety	None	
6.	Findings: Environmental	Lärmschutzforderungen	



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K.III Technical Characteristics and Operational Limits

1.	Type Definition Reference:	Drawings according Master Drawing Index GROB G 115TA dated 25-November-1996 in combination with the Equipment List in the Flight Manual		
2.	General Design Features:	Single engine, low-wing cantilever monoplane in composite construction, with retractable landing gear in nose wheel arrangement, normal tail plane		
3.	Dimensions:	Span Length Height Wing Area	10.19 m 8.07 m 2.75 m 13.29 m ²	(33.4 ft) (26.5 ft) (9.0 ft) (142.95 ft ²)
4.	Engine/s:	Type TCDS No. Max RPM Max cont. RPM	Avco Lycomir FAA 1E4 (No 2700 1/min 2500 1/min	ng AEIO-540-D4D5 te 2)
5.	Propeller/s:	Type TCDS No. Diameter	Hartzell HC-C3YR- FAA P25EA (1981 mm	
6.	Speeds:	$\frac{\text{Utility Category}}{v_{\text{NE}}}$ $\frac{v_{\text{NE}}}{v_{\text{NO}}}$ $\frac{v_{\text{NO}}}{v_{\text{NO}}}$ $\frac{v_{\text{NO}}}{v_{\text{A}}}$ $\frac{v_{\text{A}}}{(\text{maneuvering})}$ $\frac{v_{\text{FE}}}{v_{\text{FE}}}$ $\frac{v_{\text{FE}}}{(\text{flaps extended})}$ $\frac{v_{\text{LO}}}{v_{\text{LE}}}$ $\frac{v_{\text{LG}}}{(\text{LG extended})}$	(396 km/h) (319 km/h) (259 km/h) (211 km/h) (252 km/h) (296 km/h)	214 kts 172 kts 140 kts 114 kts 136 kts 160 kts
		$\frac{Acrobatic Category}{v_{NE}}$ v_{NO} (normal operating) v_{A} (maneuvering) v_{FE} (flaps extended) v_{LO} (LG extension) v_{LE} (LG extended)	(435 km/h) (319 km/h) (296 km/h) (211 km/h) (252 km/h) (296 km/h)	235 kts 172 kts 160 kts 114 kts 136 kts 160 kts
7.	Kinds of Operation:	VFR day and night Flights into known icing	conditions are	prohibited.
8.	Masses:	<u>Utility Category</u> MTOM Max. Landing Mass	1440 kg 1440 kg	
		<u>Acrobatic Category</u> MTOM Max. Landing Mass	1350 kg 1350 kg	



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9.	Centre of Gravity Range:	Reference Datum (BE) Levelling Reference	Ŷ	E 2355/ME 1150 e bottom edge
		<u>Utility Category</u> Most forward C.G.		f datum at 1440 kg f datum at 1037 kg
		Most rearward C.G.		f datum at 1440 kg f datum at 1037 kg
		Acrobatic Category Most forward C.G.		f datum at 1350 kg f datum at 1037 kg
		Most rearward C.G.		f datum at 1350 kg f datum at 1037 kg
10.	Minimum Crew:		1 Pilot	
11.	Number of Seats:		2	
12.	Baggage:	Baggage compartment max. baggage mass	50 kg	
13.	Operating Fluids:	Fuel capacity total Useable fuel Oil capacity total	200 liters 190 liters 11.4 liters	(52.8 U.S. gal) (50.2 U.S. gal) (12 quarts)
14.	Minimum Equipment:	Refer to equipment list i	n Flight Manua	I
15.	Live Limited Parts:	Refer to Maintenance M	anual G 115TA	A Chapter 5
16.	Control Surface Movements:	Refer to Maintenance M	anual G 115T/	A Chapter 6
K.IV	Operating and Servic	e Instructions (Note 6)	
1.	Flight Manual:	Flight Manual GROB G supplements. English Is		• • •
2.	Placards:	Placards according to F	light Manual	
3.	Maintenance Manual/s:	Maintenance Manual GF Rev. 4 or later	ROB G 115TA,	English Issue 2,
4.	Further Service Information / Instructions:	Illustrated Parts Catalog Service Bulletins and Se		15TA



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K.V <u>Notes</u>

- 1. This EASA TCDS, Section K is based on LBA TCDS no. 1078 for Model G 115TA, Issue 1 as of December 1996. Approved data referring to the original LBA TCDS number remain further valid.
- 2. The EASA Type Certification Standard includes that of FAA TCDS based on individual EU member State acceptance or certification of this standard prior to 28-September-2003. Other standards confirming to TC/ TCDS standards certificated by individual EU member States prior to 28-September-2003 are also acceptable.
- 3. This TCDS is valid for S/N's 8501 up to 8514.
- 4. For certification for operation, the noise protection requirements effective at the day of application for certification for operation apply.
- 5. Paint schemes have to be approved by the TC holder or National Airworthiness Authority.
- 6. Distribution of Revisions to Operating and Service Instructions with ongoing revision of Service Bulletin no. MSB1078-147.



ADMINISTRATIVE SECTION

Acronyms

AMDT. – Amendment
AFM – Airplane Flight Manual
C.G. – Centre of Gravity
CS – Certification Specifications
EASA – European Aviation Safety Agency
EU – European Union
FAA – Federal Aviation Administration
FAR – Federal Aviation Regulation
IFR – Instrument Flight Rules
LBA – Luftfahrt-Bundesamt
MTOM – Maximum Take Off Mass
TC – Type Certificate
TCDS – Type Certificate Data Sheet
VFR – Visual Flight Rules



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II Type Certificate Holder Record

Grob Werke GmbH & Co. KG

Unternehmensbereich Burkhart Grob Flugzeugbau 8939 Mattsies Am Flugplatz Germany

Burkhart Grob Luft- und Raumfahrt GmbH & Co. KG

8939 Mattsies Am Flugplatz Germany

Dr. hc. Mult. Dipl.-Ing. Burkhart Grob e.K.

Unternehmensbereich Luft- und Raumfahrt Lettenbachstrasse 9 86874 Tussenhausen

GROB Aerospace GmbH

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III Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 1	28 Aug 2009	 Initial Issue EASA TCDS G115 (see notes 1) for all G 115 Models based on LBA TCDS's (see notes 1 in sections A.V to K.V), initiated by changed company name and production of further model G 115E airplanes equipped i.a.w. change note no. OÄM1078-068. Compared with the baseline LBA TCDS's, the information was changed in general as follows: Common scope and format of contents for all models, TC-holder and manufacturer for new airplanes or spare parts changed to GROB Aircraft AG in chapters I, General dimensions amended in chapters III, Kinds of Operation amended in chapters III, Reference to valid instructions for operation and service changed in chapters V, including reference to Service Bulletin used for distribution 	Initial Issue, 28 Aug-2009
Issue 2	20 Dec 2011	Update reference to Aircraft Maintenance Manual associated with service life extension for models G 115, G 115A, G 115B, G 115C and G 115C2 approved with Change note MÄM1078-150 and implemented with Service Bulletin MSB1078-161.	Initial Issue, 28 Aug-2009
Issue 3	03 May 2016	Update of note referring to paint schemes. Further editorial changes. MÄM 1078-196 Note: Issue 3 has not been published by EASA.	Initial Issue, 28 Aug-2009
Issue 4	06 Sep 2023	TC Holder updated Point 5 "TC-Holder" in Sections A.I to K.I. deleted Section H: Introduction of OCN 565-268 and 269 Acronyms: List amended Editorial corrections	01 Sep 2017



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