TYPE-CERTIFICATE

DATA SHEET

No. EASA.A.607

for
BS 115

Type Certificate Holder
BLACKSHAPE S.P.A.

Strada Statale 16 KM 841+900
70043 Monopoli (BA)
ITALY

For models: BS 115
BK 160
BK 160-200
BK 160TR

Contents

SECTION A: BS 115

A.I. General

1. Type/ Model /Variant	
1.1 Type	BS 115
1.2 Model	BS 115
1.3 Variant	--
2. Airworthiness Category	Normal
3. Manufacturer	Blackshape SPA SS 16 KM 841+900 Z.I. 70043 Monopoli (BA) Italy
4. EASA Type Certification Application Date	14 March 2013
5. State of Design Authority	N/A
6. State of Design Authority Type Certificate Date	N/A
7. EASA Type Certification Date	03 April 2017

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	15 September 2014
2. Airworthiness Requirements	CS-VLA Amdt. 1, 5 May 2009
3. Special Conditions	none
4. Exemptions	none
5. (Reserved) Deviations	none
6. Equivalent Safety Findings	none
7. Environmental Protection	see TCDSN EASA.A.607

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Document No. “TDDCR-BS115-001” Type Design Data Configuration Report, latest applicable issue.

2. Description: Single-engine low wing monoplane, tandem two-seater configuration. Equipped with retractable landing gear and variable pitch constant speed propeller. Airframe made by composite material carbon fibre reinforced epoxy (CFRP).

3. Equipment: Equipment list as reported in BCV-00-38-00 “BS115 Airplane Flight Manual” Section 6

4. Dimensions

Span	9.000 m	29.53 ft
Length	7.437 m	24.40 ft
Height	2.455 m	8.05 ft
Wing area	10.31 m2	111.00 sqft

5. Engine

5.1. Model: Lycoming IO-320-D1B

5.2 Type Certificate: TCDS no. US 1E12

5.3 Limitations: Max Take-off Power: 160 shp

Max Continuous Power: 160 shp

Other limitations are listed in BCV-00-38-00 “BS115 Airplane Flight Manual” Section 2

6. Load factors

	Flap UP	Flap DOWN
Max positive	+5	+2.0
Max negative	-2.5	0

7. Propeller

7.1 Model: Hartzell Raptor series

Hub: 3C1-L675A1

Governor: S-1-78

Blades: 76C03-7

7.2 Type Certificate: TCDS No. IM.P.137

7.3 Number of blades: 3

7.4 Diameter: 1.75 m (69 in)

7.5 Sense of Rotation: Clockwise (pilot’s view)

8. Fluids

8.1 Fuel	Refer to AFM, Section 2 for engine fuels
8.2 Oil	Refer to AFM, Section 2 for engine oil
8.3 Coolant	N/A

9. Fluid capacities

9.1 Fuel	2 tanks, 64 litres (17 USG) each. Total usable capacity: 113.5 litres (30 USG).
9.2 Oil	
Total:	7.57 litres (8 quart)
Minimum:	3.78 litres (4 quart)
9.3 Coolant system capacity	N/A

10. Air Speeds

Never Exceed Speed V_{NE}: 172 KCAS
Max. structural cruising speed V_{NO}: 150 KCAS
Operating Manoeuvring speed V_A: 123 KCAS
Max. speed with landing gear extended: V_{LE}: 90 KCAS
Max. speed for landing gear operation V_{LO}: 90 KCAS
Max. speed with flaps fully deployed V_{FE}: 90 KCAS

11. Maximum Operating Altitude: 11500 ft – Density Altitude

12. Approved Operations Capability: Day VFR
Flights in known icing conditions is prohibited

13. Maximum Masses

Max. Take-off:	750 kg (1653 lbs)
Max. Landing	750 kg (1653 lbs)

14. Centre of Gravity Range

23% MAC 31% MAC at 750 Kg
16.5% MAC 31% MAC at 712 Kg
Mean Aerodynamic Chord: 1360.26 mm

15. Datum: 800 mm aft of composite bulkhead.
165 mm up from airplane fuselage centreline.

16. Control surface deflections

Aileron (Left / Right)	Up: 28° ±2° Down: 23° ±2°
Elevator	Up: 29° ±1° Down: 8° ±1°
Rudder	Left: 25° ±2° Right: 25° ±2°
Elevator trim	UP: 25° ±1° Down: 15° ±1°
Flap	Take-off: 15° ±1° Landing: 30° ±1°

17. Levelling Means	Baggage compartment surface
18. Minimum Flight Crew	1 pilot seated in the front seat
19. Maximum Passenger Seating Capacity	1
20. Baggage/ Cargo Compartments	33 kg capacity, 2.5 m aft of datum
21. Wheels and Tyres	Nose Landing Gear: 5.00-5” Main Landing Gear: 4.00-5” For approved tyres and ratings, see AMM
22 Serial Numbers Eligible	S/N BCV.001 and subsequent

A.IV. Operating and Service Instructions

1. Flight Manual	BCV-00-38-00 “BS115 Aircraft Flight Manual”, Issue 1
2. Maintenance Manual	BCV-00-39-00 “Aircraft Maintenance Manual”, Issue 0
3. Structural Repair Manual	N/A
4. Weight and Balance Manual	included in the AFM
5. Illustrated Parts Catalogue	N/A

A.V. Notes

N/A

SECTION B: BK 160

B.I. General

1. Type/ Model / Variant	
1.1 Type	BS 115
1.2 Model	BK 160 (refer to B.V. Note 1)
1.3 Variant	--
2. Airworthiness Category	Normal
3. Manufacturer	Blackshape SPA SS 16 KM 841+900 Z.I. 70043 Monopoli (BA) Italy
4. EASA Type Certification Application Date	14 March 2013
5. State of Design Authority	N/A
6. State of Design Authority Type Certificate Date	N/A
7. EASA Type Certification Date	03 April 2017

B.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	15 September 2014
2. Airworthiness Requirements	CS-VLA Amdt. 1, 5 May 2009
3. Special Conditions	SC-CVLA-div01-02 “CS-VLA Aeroplanes with MTOM of more than 750 Kg” SC-OVLA.div03-02 – Night VFR Operation with VLA
4. Exemptions	none
5. (Reserved) Deviations	none
6. Equivalent Safety Findings	ESF to SC-OVLA.div-03-02 SC 1143 and SC 1147 ESF to CS VLA.161 (b)(2)(ii) Amdt 1
7. Environmental Protection	see TCDSN EASA.A.607

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Document No. “TDDCR-BS115-004” Type Design Data Configuration Report, latest applicable issue.

2. Description: Single-engine low wing monoplane, tandem two-seater configuration. Equipped with retractable landing gear and variable pitch constant speed propeller. Airframe made by composite material carbon fibre reinforced epoxy (CFRP).

3. Equipment: Equipment list as reported in BCV-00-38-00 BS115 Airplane Flight Manual Section 6

4. Dimensions

Span	9.000 m	29.53 ft
Length	7.437 m	24.40 ft
Height	2.455 m	8.05 ft
Wing area	10.31 m2	111.00 sqft

5. Engine

5.1. Model: Lycoming IO-320-D1B

5.2 Type Certificate: TCDS no. US 1E12

5.3 Limitations:
Max Take-off Power: 160 shp
Max Continuous Power: 160 shp
Other limitations are listed in BCV-00-38-00 “BS115 Airplane Flight Manual” Section 2

6. Load factors

	Flap UP	Flap DOWN
Max positive	+4.4	+2.0
Max negative	-2.0	0

7. Propeller

7.1 Model: Hartzell Raptor series
Hub: 3C1-L675A1
Governor: S-1-78
Blades: 76C03-7

7.2 Type Certificate: TCDS No. IM.P.137

7.3 Number of blades: 3

7.4 Diameter: 1.75 m (69 in)

7.5 Sense of Rotation: Clockwise (pilot’s view)

8. Fluids

8.1 Fuel: Refer to AFM, Section 2 for engine fuels

8.2 Oil: Refer to AFM, Section 2 for engine oil

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel	2 tanks, 64 litres (17 USG) each. Total usable capacity: 121 litres (32 USG).
9.2 Oil	
	Total: 7.57 litres (8 quart)
	Minimum: 3.78 litres (4 quart)
9.3 Coolant system capacity	N/A
10. Air Speeds	Never Exceed Speed V_{NE}: 172 KCAS
	Max. structural cruising speed V_{NO}: 148 KCAS
	Operating Manoeuvring speed V_A: 122 KCAS
	Max. speed with landing gear extended: V_{LE}: 90 KCAS
	Max. speed for landing gear operation V_{LO}: 90 KCAS
	Max. speed with flaps fully deployed V_{FE}: 90 KCAS
11. Maximum Operating Altitude	11500 ft – Density Altitude
12. Approved Operations Capability	Day/Night VFR
	Flights in known icing conditions is prohibited
13. Maximum Masses	
	Max. Take-off: 850 kg (1874 lbs)
	Max. Landing 850 kg (1874 lbs)
14. Centre of Gravity Range	23% MAC 31% MAC at 850 Kg
	19% MAC 31% MAC at 765 Kg
	Mean Aerodynamic Chord: 1360.26 mm
15. Datum	800 mm aft of composite bulkhead.
	165 mm up from airplane fuselage centreline.

16. Control surface deflections

Aileron (Left / Right)	Up: 14° ±1°
	Down: 13° ±1°
Elevator	Up: 25° ±1°
	Down: 8° ±1°
Rudder	Left: 25° ±2°
	Right: 25° ±2°
Elevator trim	DWN: 30° ±2°
	UP: 4° ±1°
Flap	Take-off: 15° ±1°
	Landing: 30° ±2°

17. Levelling Means	Baggage compartment surface
18. Minimum Flight Crew	1 pilot seated in the front seat
19. Maximum Passenger Seating Capacity	1
20. Baggage/ Cargo Compartments	33 kg capacity, 2.5 m aft of datum
21. Wheels and Tyres	Nose Landing Gear: 5.00-5” Main Landing Gear: 4.00-5”
	For approved tyres and ratings, see AMM
22. Serial Numbers Eligible	s/n BCV.21005 and subsequent (refer to B.V. Note 2)

B.IV. Operating and Service Instructions

1. Flight Manual	BCV-00-38-00 “BS115 Aircraft Flight Manual”, Issue 2 rev.0 or later approved revision (see B.V. Note 3)
2. Maintenance Manual	BCV-00-39-00 “Aircraft Maintenance Manual”, Issue 1 rev.0 or later approved revision
3. Structural Repair Manual	N/A
4. Weight and Balance Manual	included in the AFM
5. Illustrated Parts Catalogue	N/A

B.V. Notes

1) BK 160 model consists of BS 115 model modified as per major changes MOD-BCV-17-020 “BS 115 weight increase to 850 kg” (EASA Approval 10071128), major change MOD-BCV-17-021 “Internal Muffler (EASA Approval 10071131) and MOD-BCV-17-026 “BS 115 Night-VFR” (EASA Approval 10071129).

2) Aircraft S/N BCV.21003 and S/N BCV.21004 were originally produced as BS 115 model with applied Major Changes see B.V. Note 1) resulting in conformity of these 2 aircraft with basic specifications of BK 160 model.

3) Aircraft Flight Manual BCV-00-38-00 has been renamed at Issue 2 revision 3 as “BK160 Aircraft Flight Manual”, consistently with its applicability.

SECTION C: BK 160-200

C.I. General

1. Type/ Model / Variant	
1.1 Type	BS 115
1.2 Model	BK 160-200
1.3 Variant	--
2. Airworthiness Category	Normal
3. Manufacturer	Blackshape SPA SS 16 KM 841+900 Z.I. 70043 Monopoli (BA) Italy
4. EASA Type Certification Application Date	25 August 2021
5. State of Design Authority	N/A
6. State of Design Authority Type Certificate Date	N/A
7. EASA Type Certification Date	30 May 2022

C.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	25 August 2021 (refer to C.V. Note 1)
2. Airworthiness Requirements	CS-VLA Amdt. 1, 5 May 2009 amended with CS 23.2605(b) Amdt. 5; in addition, for aircraft embodying: MOD-BCV-22-013 “Titanium Firewall”: CS 23.2440 Amdt. 6. CS-ACNS Issue 1, 17 December 2013.
3. Special Conditions	SC-CVLA-div01-02 [CS-VLA Aeroplanes with MTOM of more than 750 Kg] SC-OVLA.div03-02 [Night VFR Operation with VLA] SC-ELA.2015-01 [Lithium Battery Installation]
4. Exemptions	none
5. (Reserved) Deviations	none
6. Equivalent Safety Findings	ESF to SC-OVLA.div-03-02 SC 1143 and SC 1147 ESF to CS VLA.161 (b)(2)(ii) Amdt 1
7. Environmental Protection	see TCDSN EASA.A.607

C.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Document No. "TDDCR-BK160200-001" Type Design Data Configuration Report, latest applicable issue.

2. Description: Single-engine low wing monoplane, tandem two-seater configuration. Equipped with retractable landing gear and variable pitch constant speed propeller. Airframe made by composite material carbon fibre reinforced epoxy (CFRP).

3. Equipment: Equipment list as reported in BCV-00-38-06 Airplane Flight Manual Section 6

4. Dimensions

Span	9.000 m	29.53 ft
Length	7.437 m	24.40 ft
Height	2.455 m	8.05 ft
Wing area	10.31 m2	111.00 sqft

5. Engine

5.1. Model: Lycoming IO-320-D1B

5.2 Type Certificate: TCDS no. US 1E12

5.3 Limitations:

Max Take-off Power: 160 shp

Max Continuous Power: 160 shp

Other limitations are listed in BCV-00-38-06 "Aircraft Flight Manual" Section 2

6. Load factors

	Flap UP	Flap DOWN
Max positive	+4.4	+2.0
Max negative	-2.0	0

7. Propeller

7.1 Model: Hartzell Raptor series

Hub: 3C1-L675A1

Governor: S-1-78

Blades: 76C03-7

7.2 Type Certificate: TCDS No. IM.P.137

7.3 Number of blades: 3

7.4 Diameter: 1.75 m (69 in)

7.5 Sense of Rotation: Clockwise (pilot's view)

8. Fluids

8.1 Fuel: Refer to AFM, Section 2 for engine fuels

8.2 Oil: Refer to AFM, Section 2 for engine oil

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel	2 tanks, 64 litres (17 USG) each. Total usable capacity: 121 litres (32 USG).
9.2 Oil	
	Total: 7.57 litres (8 quart)
	Minimum: 3.78 litres (4 quart)
9.3 Coolant system capacity	N/A
10. Air Speeds	Never Exceed Speed V_{NE}: 172 KCAS
	Max. structural cruising speed V_{NO}: 148 KCAS
	Operating Manoeuvring speed V_A: 122 KCAS
	Max. speed with landing gear extended: V_{LE}: 110 KCAS
	Max. speed for landing gear operation V_{LO}: 110 KCAS
	Max. speed with flaps fully deployed V_{FE}: 100 KCAS
11. Maximum Operating Altitude	11500 ft – Density Altitude
12. Approved Operations Capability	Day/Night VFR
	Flights in known icing conditions is prohibited
13. Maximum Masses	
	Max. Take-off: 850 kg (1874 lbs)
	Max. Landing 850 kg (1874 lbs)
14. Centre of Gravity Range	23% MAC 28.5% MAC at 850 Kg
	19% MAC 28.5% MAC at 765 Kg
	Mean Aerodynamic Chord: 1360.26 mm
15. Datum	800 mm aft of composite bulkhead.
	165 mm up from airplane fuselage centreline.

16. Control surface deflections

Aileron (Left / Right)	Up: 14° ±1°
	Down: 13° ±1°
Elevator	Up: 25° ±1°
	Down: 8° ±1°
Rudder	Left: 25° ±2°
	Right: 25° ±2°
Elevator trim	DWN: 30° ±2°
	UP: 4° ±1°
Flap	Take-off: 15° ±1°
	Landing: 30° ±2°

17. Levelling Means	Baggage compartment surface
18. Minimum Flight Crew	1 pilot seated in the front seat
19. Maximum Passenger Seating Capacity	1
20. Baggage/ Cargo Compartments	33 kg capacity, 2.5 m aft of datum
21. Wheels and Tyres	Nose Landing Gear: 5.00-5” Main Landing Gear: 4.00-5”
	For approved tyres and ratings, see AMM
22. Serial Numbers Eligible	s/n BCV.21009 and subsequent

C.IV. Operating and Service Instructions

1. Flight Manual	BCV-00-38-06 “BK 160-200 Aircraft Flight Manual”, rev.0 or later approved revision
2. Maintenance Manual	BCV-00-39-02 “BK 160-200 Aircraft Maintenance Manual”, rev.0 or later approved revision
3. Structural Repair Manual	N/A
4. Weight and Balance Manual	included in the AFM
5. Illustrated Parts Catalogue	BCV-00-39-03 “BK 160-200 Illustrated Parts Catalogue”, rev. 0

C.V. Notes

1) The model BK 160-200 was classified according to 21.A.101 as a non-significant change to TC of the BK 160, for which the original reference date was 15 September 2014.
2) TCDS Annex 2 contains reference to AMC material used by the TC holder in case that CS-23 amendment 5, or later, is applicable.

SECTION D: BK 160TR

D.I. General

1. Type/ Model / Variant	
1.1 Type	BS 115
1.2 Model	BK 160TR
1.3 Variant	--
2. Airworthiness Category	Normal
3. Manufacturer	Blackshape SPA SS 16 KM 841+900 Z.I. 70043 Monopoli (BA) Italy
4. EASA Type Certification Application Date	7 April 2020
5. State of Design Authority	N/A
6. State of Design Authority Type Certificate Date	N/A
7. EASA Type Certification Date	14 June 2022

D.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements	7 April 2020
2. Airworthiness Requirements	CS-VLA Amdt. 1, 5 May 2009 amended with CS 23.2605(b)(c) Amdt. 5 in addition, for aircraft embodying: MOD-BCV-22-013 “Titanium Firewall”: CS 23.2440 Amdt. 6; MOD-BCV-21-027 “Autopilot – Garmin GFC 500“: CS 23 Amdt. 5: 23.2205, 23.2225(a), 23.2300(a), 23.2500, 23.2510(a), 23.2520(a). CS-ACNS Issue 2, 30 April 2019.
3. Special Conditions	SC-CVLA-div01-02 [CS-VLA Aeroplanes with MTOM of more than 750 Kg] SC-OVLA.div03-02 [Night VFR Operation with VLA] SC-ELA.2015-01 [Lithium Battery Installation]
4. Exemptions	none
5. (Reserved) Deviations	none
6. Equivalent Safety Findings	ESF to SC-OVLA.div-03-02 SC 1143 and SC 1147 ESF to CS VLA.161 (b)(2)(ii) Amdt 1 [Longitudinal trim]

	ESF to CS VLA 1145(a) [Engine ignition switches] – see note 1
	ESF to CS-VLA 1147 [Mixture control] – see note 1
	ESF CS-VLA 777 (a) ;(b);(e)(1)(2); (f) [Cockpit controls – flaps] – see note 1
7. Environmental Protection	see TCDSN EASA.A.607

D.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Document No. "TDDCR-BK160-TR-001" Type Design Data Configuration Report, latest applicable issue.

2. Description: Single-engine low wing monoplane, tandem two-seater configuration. Equipped with retractable landing gear and variable pitch constant speed propeller. Airframe made by composite material carbon fibre reinforced epoxy (CFRP).

3. Equipment: Equipment list as reported in BCV-00-38-05 Airplane Flight Manual Section 6

4. Dimensions

Span	9.000 m	29.53 ft
Length	7.437 m	24.40 ft
Height	2.455 m	8.05 ft
Wing area	10.31 m2	111.00 sqft

5. Engine

5.1. Model: Lycoming IO-320-D1B

5.2 Type Certificate: TCDS no. US 1E12

5.3 Limitations:

Max Take-off Power: 160 shp

Max Continuous Power: 160 shp

Other limitations are listed in BCV-00-38-05 "Aircraft Flight Manual" Section 2

6. Load factors

	Flap UP	Flap DOWN
Max positive	+4.4	+2.0
Max negative	-2.0	0

7. Propeller

7.1 Model: Hartzell Raptor series

Hub: 3C1-L675A1

Governor: S-1-78

Blades: 76C03-7

7.2 Type Certificate: TCDS No. IM.P.137

7.3 Number of blades: 3

7.4 Diameter: 1.75 m (69 in)

7.5 Sense of Rotation: Clockwise (pilot's view)

8. Fluids

8.1 Fuel: Refer to AFM, Section 2 for engine fuels

8.2 Oil: Refer to AFM, Section 2 for engine oil

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel	2 tanks, 64 litres (17 USG) each. Total usable capacity: 121 litres (32 USG).
9.2 Oil	
	Total: 7.57 litres (8 quart)
	Minimum: 3.78 litres (4 quart)
9.3 Coolant system capacity	N/A
10. Air Speeds	Never Exceed Speed V_{NE}: 172 KCAS
	Max. structural cruising speed V_{NO}: 148 KCAS
	Operating Manoeuvring speed V_A: 122 KCAS
	Max. speed with landing gear extended: V_{LE}: 110 KCAS
	Max. speed for landing gear operation V_{LO}: 110 KCAS
	Max. speed with flaps fully deployed V_{FE}: 100 KCAS
11. Maximum Operating Altitude	11500 ft – Density Altitude
12. Approved Operations Capability	Day/Night VFR
	Flights in known icing conditions is prohibited
13. Maximum Masses	
	Max. Take-off: 850 kg (1874 lbs)
	Max. Landing 850 kg (1874 lbs)
14. Centre of Gravity Range	23% MAC 28.5% MAC at 850 Kg
	19% MAC 28.5% MAC at 800 Kg
	Mean Aerodynamic Chord: 1360.26 mm
15. Datum	800 mm aft of composite bulkhead.
	165 mm up from airplane fuselage centreline.

16. Control surface deflections

Aileron (Left / Right)	Up: 14° ±1°
	Down: 13° ±1°
Elevator	Up: 25° ±1°
	Down: 8° ±1°
Rudder	Left: 25° ±2°
	Right: 25° ±2°
Elevator trim	DWN: 30° ±2°
	UP: 4° ±1°
Flap	Take-off: 15° ±1°
	Landing: 30° ±2°

17. Levelling Means	Baggage compartment surface
18. Minimum Flight Crew	1 pilot seated in the front seat
19. Maximum Passenger Seating Capacity	1
20. Baggage/ Cargo Compartments	33 kg capacity, 2.5 m aft of datum
21. Wheels and Tyres	Nose Landing Gear: 5.00-5” Main Landing Gear: 4.00-5”
	For approved tyres and ratings, see AMM
22. Serial Numbers Eligible	s/n BCV.21007 and subsequent

D.IV. Operating and Service Instructions

1. Flight Manual	BCV-00-38-05 “BK 160TR Aircraft Flight Manual”, rev. 0 or later approved revision
2. Maintenance Manual	BCV-00-39-01 “BK 160TR Aircraft Maintenance Manual”, rev.0 or later approved revision
3. Structural Repair Manual	N/A
4. Weight and Balance Manual	included in the AFM
5. Illustrated Parts Catalogue	BCV-00-39-04 “BK 160TR Illustrated Parts Catalogue”, rev. 0 or later approved revision

D.V. Notes

1) TCDS Annex 1 contains public non-proprietary data in Equivalent Safety Findings that are part of the applicable Certification Basis as recorded in this TCDS.
2) TCDS Annex 2 contains reference to AMC material used by the TC holder in case that CS-23 amendment 5, or later, is applicable.

SECTION ADMINISTRATIVE

I. Acronyms & Abbreviations

Acronyms

AFM – Aircraft Flight Manual
AMM – Aircraft Maintenance Manual
CRI – Certification Review Item
CS – Certification Specification
VLA – Very Light Aircraft
EASA – European Aviation Safety Agency
ESF – Equivalent Safety Finding
ICAO – International Civil Aviation Organization
IPC – Illustrated Part Catalogue
KCAS – Knots Calibrated Air Speed
KOEL – Kind of Operations Equipment List
MAC – Mean Aerodynamic Chord
MLW – Maximum Landing Weight
MTOW – Maximum Take-Off Weight
MZFW – Maximum Zero Fuel Weight
TC – Type Certificate
TCDS – Type Certificate Data Sheet
VFR – Visual Flight Rules
N-VFR –Night - Visual Flight Rules
Ft - feet

II. Type Certificate Holder Record

TC Holder	Period
Blackshape S.p.A. SS 16 KM 841+900 Z.I. 70043 Monopoli (BA) Italy	Effective

III. Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 01	03 April 2017	Initial Issue	Initial Issue, 03 April 2017
Issue 02	17 Dec 2018	Change to maximum operating altitude, definition of eligible serial numbers and elevator deflections.	Initial Issue, 03 April 2017
Issue 03	02 Oct. 2019	Added Variant *BK160 Gabrièl* incorporating major changes: MOD-BCV-17-020, MOD-BCV-17-021 and MOD-BCV-17-026	Initial Issue, 03 April 2017
Issue 04	12 May 2020	Variant BK 160 transformed to a new separate model BK 160 – document general restructuration	Issue 01, 12 May 2020
Issue 05	18 March 2022	Administrative corrections in sections A.IV. and B.IV. performed based on the DOA audit.	Issue 01, 12 May 2020
Issue 06	07 June 2022	Added Model BK 160-200 incorporating major changes: MOD-BCV-19-004, MOD-BCV-21-008 and MOD-BCV-20-010	Issue 02, 07 June 2022
Issue 07	22 June 2022	Added Model BK 160TR	Issue 03, 14 June 2022
Issue 08	13 December 2023	MOD-BCV-22-013 (BK 160-200; BK 160TR)	Issue 03, 14 June 2022
Issue 09	06 February 2025	Administrative corrections in Section C.II and D.II; Updated Model BK 160TR Certification Basis to incorporate change MOD-BCV-21-027; Added TCDS Annex 1 and 2.	Issue 03, 14 June 2022
Issue 10	1 December 2025	Amended total usable capacity for models BK160, BK160-200 and BK160TR.	Issue 03, 14 June 2022

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