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
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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

2. Description

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

4. Dimensions
<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>9.000 m</td>
<td>29.53 ft</td>
</tr>
<tr>
<td>Length</td>
<td>7.437 m</td>
<td>24.40 ft</td>
</tr>
<tr>
<td>Height</td>
<td>2.455 m</td>
<td>8.05 ft</td>
</tr>
<tr>
<td>Wing area</td>
<td>10.31 m²</td>
<td>111.00 sqft</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th>Flap UP</th>
<th>Flap DOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max positive</td>
<td>+5</td>
</tr>
<tr>
<td>Max negative</td>
<td>-2.5</td>
</tr>
</tbody>
</table>

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
   BCV-00-39-00 “Aircraft Maintenance Manual”, Issue 0
   N/A
   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

2. Description

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

4. Dimensions
<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (m)</th>
<th>Value (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>9.000</td>
<td>29.53</td>
</tr>
<tr>
<td>Length</td>
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<tr>
<td>Height</td>
<td>2.455</td>
<td>8.05</td>
</tr>
<tr>
<td>Wing area</td>
<td>10.31</td>
<td>111.00</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th>Flap UP</th>
<th>Flap DOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max positive</td>
<td>+2.0</td>
</tr>
<tr>
<td>Max negative</td>
<td>0</td>
</tr>
</tbody>
</table>

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 $V_{NO}$: 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`

   `BCV-00-39-00 “Aircraft Maintenance Manual”, Issue 1 rev.0 or later approved revision`

   `N/A`

   `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.
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;
   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
8. Interpretative Material and Means of Compliance     CS-VLA 177(a)(2) and CS VLA 177(a)(3)
   [Static lateral stability]
   ASTM F3064/F3064M-18a
As per AMC & GM to CS-23 Issue 4, the following acceptable means of compliance are used for CS 23.2440 Amdt. 6: ASTM F3066/F3066M-18 para. 8.1 to 8.7 [Titanium Firewall]
C.III. Technical Characteristics and Operational Limitations

1. Type Design Definition  

2. Description  

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

4. Dimensions  
<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>9.000 m</td>
<td>29.53 ft</td>
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<tr>
<td>Length</td>
<td>7.437 m</td>
<td>24.40 ft</td>
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<tr>
<td>Height</td>
<td>2.455 m</td>
<td>8.05 ft</td>
</tr>
<tr>
<td>Wing area</td>
<td>10.31 m²</td>
<td>111.00 sqft</td>
</tr>
</tbody>
</table>

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  
<table>
<thead>
<tr>
<th>Flap</th>
<th>Flap DOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max positive</td>
<td>+4.4</td>
</tr>
<tr>
<td>Max negative</td>
<td>-2.0</td>
</tr>
</tbody>
</table>

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 $V_{NO}$: 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

<table>
<thead>
<tr>
<th>Surface</th>
<th>Up</th>
<th>±1°</th>
<th>Down</th>
<th>±1°</th>
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<tbody>
<tr>
<td>Aileron (Left / Right)</td>
<td>14°</td>
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<td>13°</td>
<td>±1°</td>
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<tr>
<td>Elevator</td>
<td>25°</td>
<td>±1°</td>
<td>8°</td>
<td>±1°</td>
</tr>
<tr>
<td>Rudder</td>
<td>25°</td>
<td>±2°</td>
<td>25°</td>
<td>±2°</td>
</tr>
<tr>
<td>Elevator trim</td>
<td>DWN: 30°</td>
<td>±2°</td>
<td>UP: 4°</td>
<td>±1°</td>
</tr>
<tr>
<td>Flap</td>
<td>Take-off: 15° ±1°</td>
<td>Landing: 30° ±2°</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
   - BCV-00-39-02 “BK 160-200 Aircraft Maintenance Manual”, rev.0 or later approved revision
   - N/A
   - included in the AFM
5. Illustrated Parts Catalogue
   - BCV-00-39-03 “BK 160-200 Illustrated Parts Catalogue”, rev. 0
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.
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;
   CS 23.2440 Amdt. 6:
   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]
   ESF to CS-VLA 1147
   [Mixture control]
   ESF CS-VLA 777 (a) ;(b);(e)(1)(2); (f)
   [Cockpit controls – flaps]

7. Environmental Protection     see TCDSN EASA.A.607
8. Interpretative Material and Means of Compliance

CS-VLA 177(a)(2) and CS VLA 177(a)(3)
[Static lateral stability]

As per AMC & GM to CS-23 Issue 3, the following acceptable means of compliance are used for CS 23.2605(b) Amdt. 5: CS VLA.1305 complemented with ASTM F3064/F3064M-18a par 6.2.1.6.
[Fuel low-level annunciation]

As per AMC & GM to CS-23 Issue 3, the following acceptable means of compliance are used for CS 23.2605(c) Amdt. 5: ASTM F3061/F3061M-17.
[Landing Gear Warning Silencer]

As per AMC & GM to CS-23 Issue 4, the following acceptable means of compliance are used for CS 23.2440 Amdt. 6: ASTM F3066/F3066M-18 para. 8.1 to 8.7
[Titanium Firewall]
D.III. Technical Characteristics and Operational Limitations


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

4. Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
<th>Unit</th>
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</tr>
<tr>
<td>Wing area</td>
<td>10.31 m²</td>
<td>111.00 sqft</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Load Factor</th>
<th>Flap UP</th>
<th>Flap DOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max positive</td>
<td>+4.4</td>
<td>+2.0</td>
</tr>
<tr>
<td>Max negative</td>
<td>-2.0</td>
<td>0</td>
</tr>
</tbody>
</table>

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 $V_{NO}$: 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

   BCV-00-39-01 “BK 160TR Aircraft Maintenance Manual”,
   rev. 0 or later approved revision

   N/A

   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
None
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

<table>
<thead>
<tr>
<th>TC Holder</th>
<th>Period</th>
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</thead>
<tbody>
<tr>
<td>Blackshape S.p.A.</td>
<td>Effective</td>
</tr>
<tr>
<td>SS 16 KM 841+900 Z.I.</td>
<td></td>
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<tr>
<td>70043 Monopoli (BA)</td>
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</tr>
<tr>
<td>Italy</td>
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### III. Change Record

<table>
<thead>
<tr>
<th>Issue</th>
<th>Date</th>
<th>Changes</th>
<th>TC Issue No. &amp; Date</th>
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<tbody>
<tr>
<td>Issue 01</td>
<td>03 April 2017</td>
<td>Initial Issue</td>
<td>Initial Issue, 03 April 2017</td>
</tr>
<tr>
<td>Issue 02</td>
<td>17 Dec 2018</td>
<td>Change to maximum operating altitude, definition of eligible serial numbers and elevator deflections.</td>
<td>Initial Issue, 03 April 2017</td>
</tr>
<tr>
<td>Issue 03</td>
<td>02 Oct. 2019</td>
<td>Added Variant <em>BK160 Gabriël</em> incorporating major changes: MOD-BCV-17-020, MOD-BCV-17-021 and MOD-BCV-17-026</td>
<td>Initial Issue, 03 April 2017</td>
</tr>
<tr>
<td>Issue 04</td>
<td>12 May 2020</td>
<td>Variant BK 160 transformed to a new separate model BK 160 – document general restructuration</td>
<td>Issue 01, 12 May 2020</td>
</tr>
<tr>
<td>Issue 05</td>
<td>18 March 2022</td>
<td>Administrative corrections in sections A.IV. and B.IV. performed based on the DOA audit.</td>
<td>Issue 01, 12 May 2020</td>
</tr>
<tr>
<td>Issue 06</td>
<td>07 June 2022</td>
<td>Added Model BK 160-200 incorporating major changes: MOD-BCV-19-004, MOD-BCV-21-008 and MOD-BCV-20-010</td>
<td>Issue 02, 07 June 2022</td>
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<tr>
<td>Issue 07</td>
<td>22 June 2022</td>
<td>Added Model BK 160TR</td>
<td>Issue 03, 14 June 2022</td>
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<td>Issue 08</td>
<td>13 December 2023</td>
<td>MOD-BCV-22-013 (BK 160-200; BK 160TR)</td>
<td>Issue 03, 14 June 2022</td>
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