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**TYPE-CERTIFICATE**

**DATA SHEET**

NO. EASA.IM.A.053

**for**  
CESSNA 206 SERIES (STATIONAIR)

**Type Certificate Holder**  
Textron Aviation Inc.

One Cessna Boulevard  
Wichita, Kansas 67215  
USA

For models: 206H  
T206H



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## **SECTION 1: GENERAL, Model 206H Type Design**

### **A. General**

- |  |   |
|--|---|
| 1. a) Type:                            | Model 206H  |
| b) Variant:                            | N/A   |
| 2. Airworthiness Category:             | FAR-23 Normal Category  |
| 3. Type Certificate Holder             | Textron Aviation Inc.<br>One Cessna Boulevard<br>Wichita, Kansas 67215<br>USA |
| 4. Manufacturer:                       | Textron Aviation Inc.<br>One Cessna Boulevard<br>Wichita, Kansas 67215<br>USA |
| 5. JAA Certification Application Date: | N/A   |
| 6. JAA recommendation Date:            | N/A   |
| 7. EASA Type Certification Date:       | 28 September 2003   |

### **B. Certification Basis**

- |  |  |
|--|--|
| 1. Reference Date for determining the applicable requirements: | FAA Application date 24 February 1998  |
| 2. (Reserved)  |  |
| 3. (Reserved)  |  |
| 4. Certification Basis:  | As defined in FAA TCDS A4CE  |
| 5. Airworthiness Requirements:                                 | FAR 23 as defined in FAA TCDS A4CE, and JAR-23, Change 1, plus Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 5, dated 17 March 2008 for the Nav III avionics option. |
| 6. Requirements elected to comply:                             | None   |



- |                                     |  |
|-------------------------------------|--|
| 7. EASA Special Conditions:         | As defined in CRI A-01 for the Nav III avionics option only. |
| 8. EASA Exemptions:                 | None   |
| 9. EASA Equivalent Safety Findings: | None   |
| 10. EASA Environmental Standards:   | CS 36 (ICAO Annex 16, Volume I, as applicable.)              |

**C. Technical Characteristics and Operational Limitations**

- |                            |   |
|----------------------------|---|
| 1. Type Design Definition: | Master Drawing List, Document No.206-97-001, latest FAA Approved Revision.            |
| 2. Description:            | Single-engine, all-metal, six-place, high-wing airplane, fixed tricycle landing gear. |
| 3. Equipment:              | See Original delivery documents   |
| 4. Dimensions:             |   |
| Span                       | 10.9728 m (36.00 ft.)   |
| Length                     | 8.52424 m (27.97 ft.)   |
| Height                     | 2.54635 m (8.35 ft.)  |
| Wing Area                  | 16.3045 m <sup>2</sup> (175.50 ft <sup>2</sup> )                                      |
| 5. Engines:                | Lycoming IO-540-AC1A5   |

The EASA Engine Type Certification standard includes that of FAA TC 1E4, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable.

5.1 Engine Limits: For all operations: 2700 RPM (300 hp)

For power-plants limits refer to Airplane Flight Manual and Pilot's Operating Handbook, Part No. 206HPHUS00 or 206HPHAUS00 (Garmin) or 206HPHBUS00 (GFC-700) or latest revision.



6. Propellers: a. McCauley Constant Speed propeller limits  
McCauley Model : B3D36C432/80VSA-1

The EASA Propeller Type Certification standard includes that of FAA TC P58GL, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable.

Maximum Diameter: not over 2.0066 m (79 in.)  
Minimum Diameter: not under 1.9685 m (77.5 in.)  
Number of Blades: 3  
(1) McCauley Governor DC290D1/T37  
(2) Cessna Spinner: 2150151

7. Fluids:

7.1 Fuel: 100/100LL minimum grade aviation gasoline

7.2 Oil: Engine MIL-L-6082 or SAE J1966 Aviation Grade Straight Mineral Oil or MIL-L-22851 or SAE J1899 Aviation Grade Ashless Dispersant Oil. Oil conforming to Textron Lycoming Service Instruction No. 1014, latest revision, must be used after first 50 hours or once oil consumption has stabilized.

7.3 Coolant: Not Applicable

8. Fluid capacities:

8.1 Fuel: Units 20608001 through 20608173

Total: 348.258 liters (92 US Gallons)  
Usable: 333.116 liters (88 US Gallons)

Units 20608174 and on

Total: 348.258 liters (92 US Gallons)  
Usable: 329.331 liters (87 US Gallons)

8.2 Oil: Maximum: 10.4099 liters (11.0 qts.)  
at 0.32512 m (12.8 in.) forward of datum

Minimum: 5.67812 liters (6.0 qts.) usable

9. Air Speeds: Maneuvering 125 KIAS (123 KCAS)  
Max. Structural Cruising 149 KIAS (147 KCAS)  
Never Exceed 182 KIAS (180 KCAS)



Flaps Extended 100 KIAS (100 KCAS)

10. Maximum Operating Altitude: With a portable oxygen system, the aircraft is limited to 4785.36 m (15,700 ft MSL). Oxygen must be provided as required by the operating rules.

11. Operational Capability: VFR Day and Night  
IFR Day and Night

12. Maximum Masses: Maximum Ramp: 1639.28 kg (3614 lbs.)  
Maximum Takeoff: 1632.98 kg (3600 lbs.)  
Maximum Landing: 1632.98 kg (3600 lbs.)

13. Centre of Gravity Range:

**Forward Limits:** Liner variation from 1.0795 m (42.5 in.) aft of datum at 1632.93 kg (3600 lbs.) to 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.): 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.) or less.

**Aft Limits:** 1.26238 m (49.7 in.) aft of datum at 1632.93 kg (3600 lbs.) or less.

14. Datum: Front Face of Firewall (Fuselage Station 0.0)

15. (Reserved)

16. Levelling Means: Left side of Tailcone at 3.85699 m (151.85 in.) and 4.57835 m (180.25 in.) aft of datum.

17. Minimum Flight Crew: 1 (Pilot)

18. Maximum Passenger Seating Capacity: 6 [2 at 0.8636 m (34.0 in.) to 1.2192 m (48.0 in.) aft of datum, 2 at 1.7526 (69.0 in) to 2.0066 m (79.0 in.) aft of datum, 2 at 2.4892 m (98.0 in) aft of datum].

19. Baggage / Cargo Compartment 81.6466 kg (180 lbs.) at 2.7686 kg (109 in.) to 3.6830 m (145 in.) aft of datum.

20. Wheels and Tires

Nose Wheel Tire Size 5.00 x 5  
Main Wheel Tire Size 6.00 x 6

21. Control Surface Movements

Wing Flaps: Down 40° +1°, -2°  
Elevator Tab: Up 25° +1°, -0° Down 5° +1°, -0°  
Ailerons: Up 21° ± 2° Down 14°30' ± 2°  
Elevator: Up 21° ± 1° Down 17° ± 1°



Rudder: (Relative to stabilizer)  
Right:  $24^{\circ} \pm 1^{\circ}$  Left:  $24^{\circ} \pm 1^{\circ}$   
(Parallel to 0.00 W.L.)  
Right:  $27^{\circ}13' \pm 1^{\circ}$  Left:  $27^{\circ}13' \pm 1^{\circ}$   
(Perpendicular to hinge line)

#### **D. Operating and Service Instructions**

Airplane Flight Manual (AFM):	Document No.206HPHUS00 or 206HPHAUS00 (Garmin) or 206HPHBUS00 (GFC-700), latest approved revision
Airplane Maintenance Manual (AMM) (Including Airworthiness Limitations)	Document No. 206HMM00 or latest revision

#### **E. Operational Suitability Data**

Master Minimum Equipment List (MMEL)	206MMELEU, Initial Issue, EASA approved 24 November 2015, or any later EASA approved issue.
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#### **F. Notes**

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis, Note 6) must be installed in the airplane for certification.

NOTE 1: Weight and Balance:

Serial Nos.20608001 through 20608173 :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 10.8862 kg (24 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

Serial Nos.20608174 and on :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 13.6078 kg (30 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

NOTE 2: FAA Approved Airplane Flight Manual (AFM), or Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): Part number 206HPHUS00 or later FAA approved revisions are applicable to the Model 206H. The Airplane must be operated according to the appropriate AFM or POH/AFM. Required placards are included in the AFM or POH/AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200280, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any





discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA Approved Airplane Flight Manual (AFM): Part Number 206HPHAUS-00 (or later FAA approved revisions) are applicable to the Model 206H equipped with Garmin G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200280, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA Approved Airplane Flight Manual (AFM): Part Number 206HPHBUS-00 (or later FAA approved revisions) are applicable to the Model 206H equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200280, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

NOTE 3: The CHT probe must be installed on Head #3.

NOTE 4: Model 206H airplanes, serial numbers 20608060 through 20608091 may differ structurally and are, therefore, not eligible for any weight increases above the approved maximum takeoff weight limit of 3,600 pounds unless compliance with Cessna Document AI206-57-01 (latest revision) has been accomplished and documented with an appropriate logbook entry. Any exceptions must first be coordinated with the Wichita Aircraft Certification Office.

NOTE 5: Special Ferry Flight Authorization. Flight Standards District Offices are authorized to issue Special overweight ferry flight authorizations. This airplane is structurally satisfactory for ferry flight if maintained within the following limits: (1) Takeoff weight must not exceed 130% of the maximum weight for Normal Category, and (2) The Never Exceed Airspeed ( $V_{NE}$ ) and Maximum Structural Cruising Speed ( $V_C$ ) must be reduced by 30%; and (3) Forward and aft center of gravity limits may not be exceeded; and (4) Structural load factors of 2.5 g. to -1.0 g. may not be exceeded. Requirements for any additional oil should be established in accordance with Advisory Circular AC23.1011-1. Increased stall speeds and reduced climb performance should be expected for the increased weights. Flight characteristics and performance at the increased weights have not been evaluated. Flight Permit for operations of overweight aircraft may be found in Advisory Circular AC21-4B.

NOTE 6: FAA Certification Basis (Model 206H)

Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows:



FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7.  
FAR 23.807 and 23.1524 as amended by Amendment 23-10.  
FAR 23.507; 23.771; 23.853(a),(b) and (c); and 23.1365 as amended by Amendment 23-14.  
FAR 23.951 as amended by Amendment 23-15.  
FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17.  
FAR 23.1301 as amended by Amendment 23-20.  
FAR 23.1353; and 23.1559 as amended by Amendment 23-21.  
FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23.  
FAR 23.441 and 23.1549 as amended by Amendment 23-28.  
FAR 23.1093 as amended by Amendment 23-29.  
FAR 23.779 and 23.781 as amended by Amendment 23-33.  
FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34.  
FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amendment 23-42.  
FAR 23.961; 23.1107(b); 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43.  
FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44.  
FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45.

FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21.

Additions for the Gamin G1000 Integrated Cockpit System (ICS) only:

14 CFR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C.  
14 CFR 23.1589 as amended by Amendment 23.13.  
14 CFR 23.771(a) as amended by Amendment 23.14.  
14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17.  
14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20.  
14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21.  
14 CFR 23.603 and 23.605 as amended by Amendment 23-23.  
14 CFR 23.1529 as amended by Amendment 23-26.  
14 CFR 23.561(e); 23.1523; 23.1581(a)(2); 23.1538(a)(1), (a)(2), (b)(h) and 23.1585(a)(b)(d) as amended by Amendment 23-34.  
14 CFR 23.301 as amended by Amendment 23-42.  
14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43.  
14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45.  
14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321(a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329(g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431 (a)(b)(d)(e) as amended by Amendment 23-49.



14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (b)(4); 23.1553; 23.1555(a)(b); 23.1563(a) and 23.1567(a) as amended by Amendment 23.50.

14 CFR 23.777(a)(b); 23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23.51.

14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52.

14 CFR 23.901 (a)(b) as amended by Amendment 23-53.

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20,

14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.

Equivalent Safety Items:

(1) Throttle Control

FAR § 23.1143(g), Number 97-4, FAA letter November 25, 1997

(2) Mixture Control

FAR § 23.1147(b), Number 97-4, FAA letter November 25, 1997

(3) Fuel Tank Sump

FAR § 23.971, Number ACE-02-03, FAA letter January 3, 2002 (Units 20608174 and on)

(4) Anticollision Lights

FAR § 23.1401(d), Number ACE-02-02, FAA letter January 3, 2002 (Units 20608174 and on)

(5) Aviation White Color

14CFR § 23.1397(c), Refer to ACE-07-12, FAA letter 11/29/07

Date of Application for Amended Type Certificate was October 25, 1996.

Type Certificate No. A4CE was amended November 26, 1997.

Special Conditions as follows:

No. 23-150-SC, (Special Conditions: Cessna Aircraft Company; Cessna Model 206H Airplane; Installation of Electronic Flight Instrument System and the Protection of the System From High Intensity Radiated Fields (HIRF)

**NOTE 7: Production Basis (Model 206H)**

Production Certificate No. PC-4 issued November 25, 1998. Applies to airplane serial numbers 20608001 and on. Textron Aviation Inc. is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

**NOTE 8.** The following serials are manufactured under the name Cessna Aircraft Company: 20608001 thru 20608353.

**NOTE 9.** Company name change effective 7/29/15. The following serials are manufactured under the name Textron Aviation Inc.: 20608354 and On.





**SECTION 2: GENERAL, Model T206H Type Design**

**A. General**

- |  |   |
|--|---|
| 1. a) Type:                            | Model T206H   |
| b) Variant:                            | N/A   |
| 2. Airworthiness Category:             | FAR-23 Normal Category  |
| 3. Type Certificate Holder:            | Textron Aviation Inc.<br>One Cessna Boulevard<br>Wichita, Kansas 67215<br>USA |
| 4. Manufacturer:                       | Textron Aviation Inc.<br>One Cessna Boulevard<br>Wichita, Kansas 67215<br>USA |
| 5. JAA Certification Application Date: | N/A   |
| 6. JAA recommendation Date:            | N/A   |
| 7. EASA Type Certification Date:       | 28 September 2003   |

**B. Certification Basis**

- |  |  |
|--|--|
| 1. Reference Date for determining the applicable requirements: | FAA application date 24 February 1998  |
| 2. (Reserved)  |  |
| 3. (Reserved)  |  |
| 4. Certification Basis:  | As defined in FAA TCDS A4CE  |
| 5. Airworthiness Requirements:                                 | FAR 23 as defined in FAA TCDS A4CE, and JAR-23, Change 1, plus Special Conditions as defined in Garmin G-1000 EASA CRI A-01, Issue 5, dated 17 March 2008 for the Nav III avionics option. |
| 6. Requirements elected to comply:                             | None   |



- |                                     |  |
|-------------------------------------|--|
| 7. EASA Special Conditions:         | As defined in CRI A-01 for the Nav III avionics option only. |
| 8. EASA Exemptions:                 | None   |
| 9. EASA Equivalent Safety Findings: | None   |
| 10. EASA Environmental Standards:   | CS 36 (ICAO Annex 16, Volume I, as applicable.)              |

**C. Technical Characteristics and Operational Limitations**

- |                            |   |
|----------------------------|---|
| 1. Type Design Definition: | Master Drawing List, Document No.T206-98-001, latest FAA Approved Revision.   |
| 2. Description:            | Single-engine, all-metal, six-place, high-wing airplane, fixed tricycle landing gear.   |
| 3. Equipment:              | See Original delivery documents   |
| 4. Dimensions:             |   |
| Span                       | 10.9728 m (36.00 ft.)   |
| Length                     | 8.52424 m (27.97 ft.)   |
| Height                     | 2.54635 m (8.35 ft.)  |
| Wing Area                  | 16.3045 m <sup>2</sup> (175.50 ft <sup>2</sup> )  |
| 5. Engines:                | Lycoming TIO-540-AJ1A   |
|                            | The EASA Engine Type Certification standard includes that of FAA TC E14EA, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable. |

5.1 Engine Limits:	Maximum Takeoff: 2500 RPM (310 hp) Maximum Continuous Power: 2500 RPM (310 hp)
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For power-plants limits refer to Airplane Flight Manual and Pilot's Operating Handbook, Part No. T206HPHUS00 or T206HPHAUS00 (Garmin) or T206HPHBUS00 (GFC-700) or T206HPHCUS00 (G1000 NXi) or latest revision.



6. Propellers: McCauley Constant Speed Propeller  
Hub: B3D36C432/80VSA-1
- The EASA Propeller Type Certification standard includes that of FAA TC P58GL, based on individual EU member state acceptance or certification of this standard prior to 28 September 2003, Other standards conforming to TC/TCDS standards Certificated by individual EU member States prior to 28 September 2003 are also acceptable.
- Maximum Diameter: not over 2.0066 m (79 in.)  
Minimum Diameter: not under 1.9685 m (77.5 in.)  
Number of Blades: 3  
(1) Hydraulic governor: McCauley Governor DC290D1/T25  
(2) Propeller spinner: Cessna 2150151
7. Fluids:
- 7.1 Fuel: 100/100LL minimum grade aviation gasoline
- 7.2 Oil: Engine MIL-L-6082 or SAE J1966 Aviation Grade Straight Mineral Oil or MIL-L-22851 or SAE J1899 Aviation Grade Ashless Dispersant Oil. Oil conforming to Textron Lycoming Service Instruction No. 1014, latest revision, must be used after first 50 hours or once oil consumption has stabilized.
- 7.3 Coolant: Not Applicable
8. Fluid capacities:
- 8.1 Fuel: Units T20608001 through T20608361  
Total: 348.258 liters (92 US Gallons)  
Usable: 333.116 liters (88 US Gallons)
- Units T20608362 and on  
Total: 348.258 liters (92 US Gallons)  
Usable: 329.331 liters (87 US Gallons)
- 8.2 Oil: Maximum: 10.4099 liters (11.0 qts.)  
at 0.32512 m (12.8 in.) forward of datum  
Minimum: 5.67812 liters (6.0 qts.) usable
9. Air Speeds:                      Maneuvering                      125 KIAS (123 KCAS)  
   Maximum Structural Cruising                      149 KIAS (147 KCAS)  
   Never Exceed                      182 KIAS (180 KCAS)



Flaps Extended

100 KIAS (100 KCAS)

10. Maximum Operating Altitude: With a portable oxygen system, the aircraft is limited to 8229.6 m (27,000 ft MSL). Oxygen must be provided as required by the operating rules.
11. Operational Capability: VFR Day and Night  
IFR Day and Night
12. Maximum Masses: Maximum Ramp: 1640.64 kg (3617 lbs.)  
Maximum Takeoff: 1632.93 kg (3600 lbs.)  
Maximum Landing: 1632.93 kg (3600 lbs.)

13. Centre of Gravity Range:

**Forward Limits:** Liner variation from 1.0795 m (42.5 in.) aft of datum at 1632.93 kg (3600 lbs.) to 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.): 0.8382 m (33.0 in.) aft of datum at 1133.98 kg (2500 lbs.) or less.

**Aft Limits:** 1.26238 m (49.7 in.) aft of datum at 1632.93 kg (3600 lbs.) or less.

14. Datum: Front Face of Firewall (Fuselage Station 0.0)
15. (Reserved)
16. Levelling Means: Left side of Tailcone at 3.85699 m (151.85 in.) and 4.57835 m (180.25 in.) aft of datum.
17. Minimum Flight Crew: 1 (Pilot)
18. Maximum Passenger Seating Capacity: 6 [2 at 0.8636 m (34.0 in.) to 1.2192 m (48.0 in.) aft of datum; 2 at 1.7526 (69.0 in) to 2.0066 m (79.0 in.) aft of datum; 2 at 2.4892 m (98.0 in) aft of datum].
19. Baggage / Cargo Compartment 81.6466 kg (180 lbs.) at 2.7686 kg (109 in.) to 3.683 m (145 in.) aft of datum.
20. Wheels and Tires
- |                      |          |
|----------------------|----------|
| Nose Wheel Tire Size | 5.00 x 5 |
| Main Wheel Tire Size | 6.00 x 6 |
21. Control Surface Movements
- |               |   |
|---------------|---|
| Wing Flaps:   | Down 40° +1°, -2°   |
| Elevator Tab: | Up 25° +1°, -0° Down 5° +1°, -0°  |
| Ailerons:     | Up 21° ± 2° Down 14°30' ± 2°  |
| Elevator:     | Up 21° ± 1° Down 17° ± 1°<br>(Relative to stabilizer)   |
| Rudder:       | Right: 24° ± 1° Left: 24° ± 1°<br>(Parallel to 0.00 W.L.)<br>Right: 27°13' ± 1° Left: 27°13' ± 1° |





(Perpendicular to hinge line)

**D. Operating and Service Instructions**

Airplane Flight Manual (AFM):	Document No. T206HPHUS00 or T206HPHAUS00 (Garmin) or T206HPHBUS00 (GFC-700), or T206HPHCUS00 (G1000 NXi) latest approved revision.
Airplane Maintenance Manual (AMM) (Including Airworthiness Limitations)	Document No. 206HMM00 or latest Revision

**E. Operational Suitability Data**

Master Minimum Equipment List (MMEL)	206MMELEU, Initial Issue, EASA approved 24 November 2015, or any later EASA approved issue.
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**F. Notes**

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis, Note 6) must be installed in the airplane for certification.

NOTE 1: Weight and Balance:

Serial Nos.T20608001 through T20608361 :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 10.8862 kg (24 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

Serial Nos.T20608362 and on :

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 13.6078 kg (30 lbs.) at 1.2192 m (48 in.) aft of datum, and full oil of 9.344 kg (20.6 lbs.) at 0.32513 (12.8 in.) forward of datum.

NOTE 2: FAA Approved Airplane Flight Manual (AFM), or Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): Part number T206HPHUS00 or later FAA approved revisions are applicable to the Model T206H. The Airplane must be operated according to the appropriate AFM or POH/AFM. Required placards are included in the AFM or POH/AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200281, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA Approved Airplane Flight Manual (AFM): Part Number T206HPHAUS-00 (or later FAA approved revisions) are applicable to the Model T206H equipped with Garmin



G1000 Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200281, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA Approved Airplane Flight Manual (AFM): Part Number T206HPHBUS-00 (or later FAA approved revisions) are applicable to the Model T206H equipped with Garmin G1000 Integrated Cockpit System and Garmin GFC-700 AFCS. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis must be installed as specified via the parts list for 1200281, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

FAA Approved AFM: Part Number T206HPHCUS-00 (or later FAA approved revisions) are applicable to the Model T206H equipped with Garmin G1000 NXi Integrated Cockpit System. The airplane must be operated according to the appropriate AFM. Required placards are included in the AFM, the applicable operating rules, or the certification basis, and must be installed as specified via the parts list for 1200281, Airplane Assembly (A useful placarding reference is the Textron Aviation Illustrated Parts Catalogue (IPC). Any discrepancies identified between the IPC and an aircraft under inspection need to be reconciled using the previously stated parts list).

NOTE 3: The CHT probe must be installed on Head #5.

NOTE 4: Model T206H airplanes, serial numbers T20608101 through T20608158 may differ structurally and are, therefore, not eligible for any weight increases above the approved maximum takeoff weight limit of 3,600 pounds unless compliance with Cessna Document A1206-57-01 (latest revision) has been accomplished and documented with an appropriate logbook entry. Any exceptions must first be coordinated with the Central Certification Branch.

NOTE 5: Special Ferry Flight Authorization. Flight Standards District Offices are authorized to issue Special overweight ferry flight authorizations. This airplane is structurally satisfactory for ferry flight if maintained within the following limits: (1) Takeoff weight must not exceed 130% of the maximum weight for Normal Category, and (2) The Never Exceed Airspeed ( $V_{NE}$ ) and Maximum Structural Cruising Speed ( $V_C$ ) must be reduced by 30%; and (3) Forward and aft center of gravity limits may not be exceeded; and (4) Structural load factors of 2.5 g. to -1.0 g. may not be exceeded. Requirements for any additional oil should be established in accordance with Advisory Circular AC23.1011-1. Increased stall speeds and reduced climb performance should be expected for the increased weights. Flight characteristics and performance at the increased weights have not been evaluated. Flight Permit for operations of overweight aircraft may be found in Advisory Circular AC21-4B.

NOTE 6: FAA Certification Basis (Model T206H)



Part 23 of the Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6, except as follows:

FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amendment 23-7.  
FAR 23.807 and 23.1524 as amended by Amendment 23-10.  
FAR 23.507; 23.771; 23.853(a),(b) and (c); and 23.1365 as amended by Amendment 23-14.  
FAR 23.951 as amended by Amendment 23-15.  
FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amendment 23-17.  
FAR 23.1301 as amended by Amendment 23-20.  
FAR 23.1353; and 23.1559 as amended by Amendment 23-21.  
FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amendment 23-23.  
FAR 23.441 and 23.1549 as amended by Amendment 23-28.  
FAR 23.779 and 23.781 as amended by Amendment 23-33.  
FAR 23.1; 23.51 and 23.561 as amended by Amendment 23-34.  
FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amendment 23-42.  
FAR 23.961; 23.1093; 23.1107(b); 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amendment 23-43.  
FAR 23.562(a), 23.562(b)2, 23.562(c)1, 23.562(c)2, 23.562(c)3, and 23.562(c)4 as amended by Amendment 23-44.  
FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amendment 23-45.

FAR 36 dated December 1, 1969, as amended by Amendments 36-1 through 36-21.

Additions for the Garmin G1000 Integrated Cockpit System (ICS) only:

14 CFR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C.  
14 CFR 23.1589 as amended by Amendment 23.13.  
14 CFR 23.771(a) as amended by Amendment 23.14.  
14 CFR 23.607 and (Electrical System) 23.1309(a)(1)(2), (c) as amended by Amendment 23-17.  
14 CFR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20.  
14 CFR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21.  
14 CFR 23.603 and 23.605 as amended by Amendment 23-23.  
14 CFR 23.1529 as amended by Amendment 23-26.  
14 CFR 23.561(e); 23.1523; 23.1581(a)(2); 23.1538(a)(1), (a)(2), (b)(h) and 23.1585(a)(b)(d) as amended by Amendment 23-34.  
14 CFR 23.301 as amended by Amendment 23-42.  
14 CFR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43.  
14 CFR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45.  
14 CFR 23.1303(a)(b)(c)(f); 23.1309(a)(1)(i), (a)(1)(ii), (a)(2), (b)(1), (b)(2)(i), (b)(2)(ii), (b)(3), (b)(4)(i), (b)(4)(ii), (b)(4)(iii), (b)(4)(iv), (c)(1), (c)(2)(iii), (c)(3), (d), (e), (f)(1); 23.1311; 23.1321(a)(c)(d)(e); 23.1323(a), (b)(1), (b)(2), (c); 23.1329(g)(h); 23.1351(a)(1), (a)(2)(i), (b)(1)(iii), (b)(2)(3), (c)(4), (d)(1); 23.1353(a)(b)(c)(d)(e); 23.1359(c); 23.1361; 23.1365(a)(b)(d)(e)(f) and 23.1431 (a)(b)(d)(e) as amended by Amendment 23-49.



14 CFR 23.1325(a), (b)(1), (b)(2)(i), (b)(3), (c)(d)(e); 23.1543(b)(c); 23.1545(a), (b)(1), (b)(2), (b)(3), (b)(4); 23.1553; 23.1555(a)(b); 23.1563(a) and 23.1567(a) as amended by Amendment 23.50.

14 CFR 23.777(a)(b); 23.955(a)(2); 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23.51.

14 CFR 23.1305(a)(1), (a)(2), (a)(3), (b)(2), (b)(3)(i), (b)(4)(i), (b)(5), (b)(6)(i) as amended by Amendment 23-52.

14 CFR 23.901 (a)(b) as amended by Amendment 23-53.

Additions for the Garmin GFC-700 Automatic Flight Control System (AFCS) only:

14 CFR 23.1335 as amended by Amendment 23-20,

14 CFR 23.1329 (a)(c)(d)(e)(f) as amended by Amendment 23-49.

Additions for the Garmin GI 275 Electronic Flight Instrument Only:

14 CFR 23.1327 as amended by Amendment 23-20; 23.1501 as amended by Amendment 23-21; 23.1529 as amended by Amendment 23-26; 23.1523(b) and 23.1581(a)(1)(2) as amended by Amendment 23-34; 23.1322 and 23.1331 as amended by Amendment 23-43; 23.1525 as amended by Amendment 23-45; 23.1303(a)(b)(f), 23.1309(a)(1)(2)(b)(c)(1)(2)(iii)(3)(d)(e)(f), 23.1311(a)(b), 23.1321(a)(c)(d)(e), 23.1323(a)(c), 23.1351(a)(1)(2)(i), 23.1359(c), 23.1365(a)(d)(e) and 23.1431(a)(b) as amended by Amendment 23-49; 23.1325(a)(b)(1)(i)(ii)(iii)(2)(i), 23.1543(b)(c), 23.1545(a)(b)(1)(2)(3)(4) and 23.1555(a)(b) as amended by Amendment 23-50; 23.777(a)(b) as amended by Amendment 23-51; 23.1308(a)(b)(c) as amended by Amendment 23-57; 23.1306(a)(b) as amended by Amendment 23-61; 23.2010 and 23.2510 as amended by Amendment 23-64 (see NOTE 10). Effective serial numbers T2069639 and On

Additions for the 14 CFR Part 23, Amendment 64:

14 CFR 23.2000, 23.2005, 23.2010 as amended by Amendment 23-64 (see NOTE 11). Effective S/N T2069639 and On.

Additions for the Garmin G1000 NXi Integrated Cockpit Systems Only:

14 CFR 23.683, 23.867 as amended by Amendment 23-7. 23.613(a)(b) as amended by Amendment 23-45. 23.301(a), 23.337, 23.561(a)(b)(3)(e), 23.607(a)(b), 23.611 as amended by Amendment 23-48. 23.1329(b), 23.1351(g), 23.1353(h), 23.1359(a)(b) as amended by Amendment 23-49. 23.1431(c), 23.1555(e)(2), 23.1581(a)(b)(1)(3)(c)(d)(f), 23.1583(h)(m), 23.1585(j) as amended by Amendment 23-50. 23.1337(b)(c) as amended by Amendment 23-51. 23.2515, 23.2520 as amended by Amendment 23-64 (See NOTE 12). Effective S/N T2069786 and On.

#### Equivalent Safety Items:

(1)Throttle Control

FAR § 23.1143(g), Number 97-4, FAA letter October 1, 1998

(2)Mixture Control

FAR § 23.1147(b), Number 97-4, FAA letter October 1, 1998

(3)Fuel Tank Sump

FAR § 23.971, Number ACE-02-03, FAA letter January 3, 2002 (Units T20608362 and on)



(4)Anticollision Lights  
FAR§23.1401(d), Number ACE-02-02, FAA letter January 3, 2002 (Units T20608362 and on)  
(5)Aviation White Color  
14CFR§23.1397(c), Refer to ACE-07-12, FAA letter 11/29/07

Date of Application for Amended Type Certificate was October 30, 1996.  
Type Certificate No. A4CE was amended October 1, 1998.

Special Conditions as follows:

No. 23-150-SC, (Special Conditions: Cessna Aircraft Company; Cessna Model T206H Airplane; Installation of Electronic Flight Instrument System and the Protection of the System From High Intensity Radiated Fields (HIRF)

**NOTE 7: Production Basis (Model T206H)**

Production Certificate No. PC-4 issued November 25, 1998. Applies to airplane serial numbers T20608001 and on. Textron Aviation Inc. is authorized to issue airworthiness certificates under the delegation provisions of Delegation Option Authorization No. CE-1 in accordance with Part 21 of the Federal Aviation Regulations.

**NOTE 8.** The following serials are manufactured under the name Cessna Aircraft Company: T20608001 thru T20609184.

**NOTE 9.** Company name change effective 7/29/15. The following serials are manufactured under the name Textron Aviation Inc.: T20609185 and On.

**NOTE 10.** The Means of Compliance for 23.2510 [23-64] is Draft AC 20-184A.

**NOTE 11.** 14 CFR 23.2005 Certification Level and Performance Level: Level 2, Low Speed.

**NOTE 12.** The Means of Compliance for 23.2515 [23-64] and 23.2520 [23-64] is FAA Policy PS-ACE-23-10.

**SECTION 3: Reserved**



## ADMINISTRATIVE SECTION

### I. Acronyms

AFM	Airplane Flight Manual
Amdt.	Amendment
AMM	Airplane Maintenance Manual
EASA	European Union Aviation Safety Agency
MMEL	Master Minimum Equipment List
POH	Pilot's Operating Handbook
SC	Special Condition
TAI	Textron Aviation Inc.
TC	Type Certificate
TCDS	Type Certificate Data Sheet

### II. Type Certificate Holder Record

Cessna Aircraft Company transferred to Textron Aviation Inc. on 29 July 2015.

### III. Change Record

Issue	Date	Change	TC issue no & date
1	Sept. 2005	Initial	Sept. 2005
4	17.03.2008	-	-
5	14.04.2008	-	-
6	17.12.2015	Transfer of Type Certificate Holder and of Production Organisation, new Section E with OSD data introduced	17.12.2015
7	21.06.2018	Alignment of Type Name	21.06.2018
8	27.07.2020	Correction to section E to refer to the correct MMEL document: 206MMELEU dated 24 November 2015 (Ref OSD 10056094).	-
9	13.12.2021	Alignment with FAA TCDS Revision 50	-
10	<b>17.01.2025</b>	Alignment with FAA TCDS Revision 51. Additions for the Garmin G1000 NXi Integrated Cockpit System (NXI STC indraw).	

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