



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

**TYPE CERTIFICATE DATA SHEET Nº EA-1999T06**

Type Certificate Holder:

**CESSNA AIRCRAFT CO.**  
P.O. Box 7704  
Wichita, KA - 67277  
**USA**

EA-1999T06-04  
Sheet 01

CESSNA  
206H  
T206H

December 2007

This data sheet, which is part of Type Certificate No.1999T06 prescribes conditions and limitations under which the product, for which the Type Certificate was issued, meets the airworthiness requirements of the Brazilian Aeronautical Regulations.

**I - Model 206 H (Normal Category), approved 18 June 1999.**

<b>ENGINE</b>	Lycoming IO-540-AC1A5, rated 300 hp
<b>OIL</b>	MIL-L-6082 aviation grade straight mineral oil MIL-L-22851 ashless dispersant oil
<b>ENGINE LIMITS</b>	For all operations, 2700 rpm
<b>PROPELLER AND PROPELLER LIMITS</b>	McCaughey model: <u>B3D36C432/80 VSA-1, constant speed</u> Diameter: not over 79 in, not under 77.5 in Pitching settings at 30 in sta.: Low 12.6°, High 30.0° Cessna Spinner: 2150151 McCaughey Governor: DC290D1 / T37
<b>AIRSPEED LIMITS</b>	Never exceed ( $V_{NE}$ ): 182 kias (180 kcas) Maneuvering ( $V_A$ ): 125 kias (123 kcas) Max. structural cruise ( $V_{NO}$ ): 149 kias (147 kcas) Flaps extended ( $V_{FE}$ ): 100 kias (100 kcas)
<b>MAXIMUM WEIGHTS</b>	Maximum ramp: 1 639 kg (3 614 lb) Maximum takeoff: 1 633 kg (3 600 lb) Maximum landing: 1 633 kg (3 600 lb)
<b>FUEL CAPACITY</b>	For the S/N 20608001 thru 20608173 348.22 liters (92 US gal) total; 333.08 liters (88 US gal) usable. <b>For S/N 20608174 and on</b> <b>348.22 liters (92 US gal) total; 329.33 liters (87 US gal) usable.</b> [Two 174.11 liters (46 US gal) integral tanks in wings at 118.1 cm (46.5 in) aft of datum]. See Note 1 for data on unusable fuel.

**CERTIFICATION BASIS**

RBHA 23 Brazilian Requirements for Aeronautical Certification, which endorses the FAR 23 effective 01 February 1965, as amended by 23-1 through 23-6, except as follows:

- RBHA/FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amdt. 23-7.
- RBHA/FAR 23.807 and 23.1524 as amended by Amdt. 23-10.
- RBHA/FAR 23.507; 23.771; 23.853(a), (b) and (c); 23.1365 as amended by Amdt. 23-14.
- RBHA/FAR 23.951 as amended by Amdt. 23-15.
- RBHA/FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amdt. 23-17.
- RBHA/FAR 23.1301 as amended by Amdt. 23-20.
- RBHA/FAR 23.1353; and 23.1559 as amended by Amdt. 23-21.
- RBHA/FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amdt. 23-23.
- RBHA/FAR 23.441 and 23.1549 as amended by Amdt. 23-28.
- RBHA/FAR 23.1093 as amended by Amdt. 23.29. FAR 23.779 and 23.781 as amended by Amdt. 23-33.
- RBHA/FAR 23.1; 23.51 and 23.561 as amended by Amdt. 23-34.
- RBHA/FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amdt. 23-42.
- RBHA/FAR 23.961; 23.1107(b); 23.1143(g); 23.1147(b); 23.1303; 23.1357; 23.1361 and 23.1385 as amended by Amdt. 23.43.
- RBHA/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 Amdt. 23-44.
- RBHA/FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amdt. 23-45.

RBHA 36 Brazilian Requirements for Noise Certification effective on 01 March 1989, corresponding to FAR 36 effective on 01 December 1969, as amended by Amdts 36-1 through 36-21.

Equivalent Safety Items:

- (1) Throttle Control RBHA/FAR 23.1143(g) Number 97-4, FAA letter 25 November 1997
- (2) Mixture Control RBHA/FAR 23.1147(b) Number 97-4, FAA letter 25 November 1997.

In addition to the previous certification basis above mentioned, the following RBHA/FAR 23 paragraphs, specific to the Garmin G1000 Integrated Cockpit System (ICS) NAV III optional installation on the Models 206H and T206H, are applicable:

- RBHA/FAR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C.
- RBHA/FAR 23.1589 as amended by Amendment 23-13.
- RBHA/FAR 23.771(a) as amended by Amendment 23-14.
- RBHA/FAR 23.607 and 23.1309(a)(1)(2), (c) as amended by Amendment 23-17.
- RBHA/FAR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20.
- RBHA/FAR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21.
- RBHA/FAR 23.603 and 23.605 as amended by Amendment 23-23.
- RBHA/FAR 23.1529 as amended by Amendment 23-26.



- CERTIFICATION BASIS (Cont.)**
- RBHA/FAR 23.561(e); 23.1523; 23.1581(a)(2); 23.1583(a)(1), (a)(2), (b)(h) and 23.1585(a)(b)(d) as amended by Amendment 23-34.
  - RBHA/FAR 23.301 as amended by Amendment 23-42
  - RBHA/FAR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43.
  - RBHA/FAR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45.
  - RBHA/FAR 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), (b)(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.
  - RBHA/FAR 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.
  - RBHA/FAR 23.777(a)(b); 23.955(a)(2) and 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23-51.
  - RBHA/FAR 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.
  - RBHA/FAR 23-53: 23.901(a)(b) as amended by Amendment 23-53.
  - Special Conditions as follows: No. 23-150-SC, Special Condition "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)".

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

- RBHA/FAR 23.1335 as amended by Amendment 23-20.
- RBHA/FAR 23.1309 (a)(3), (a)(4), (f)(2); 23.1329 (a)(c)(d)(e)(f); 23.1351 (a)(2)(ii); 23.1431 (c) as amended by Amendment 23-49.

**S/N'S ELIGIBLE** 20608001 and on

**II - Model T206H (Normal Category), approved 18 June 1999.**

**ENGINE** Lycoming TIO-540-AJ1A, rated 310 hp

**OIL** MIL-L-22851 ashless dispersant oil

**ENGINE LIMITS** For all operations, 2500 rpm.

<b>PROPELLER AND PROPELLER LIMITS</b>	McCaughey model:	<u>B3D36C432 / 80 VSA-1, constant speed.</u>
	Diameter:	not over 79in, not under 77.5in
	Pitching settings at 30in sta.:	Low 12.9°, High 33.8°
	Cessna Spinner:	2150151
	McCaughey Governor:	DC290D1 / T25

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**AIRSPEED LIMITS**

Never exceed ( $V_{NE}$ ):	182 kias (179 kcas)
Maneuvering ( $V_A$ ):	125 kias (123 kcas)
Max. Structural cruise ( $V_{NO}$ ):	149 kias (147 kcas)
Flaps extended ( $V_{FE}$ ):	100 kias (100 kcas)

**MAXIMUM WEIGHTS**

Maximum ramp:	1 641 kg (3 617 lb)
Maximum takeoff:	1 633 kg (3 600 lb)
Maximum landing:	1 633 kg (3 600 lb)

**FUEL CAPACITY**

For S/N T20608001 thru T20608361  
348.22 liters (92 US gal) total; 333.08 liters (88 US gal) usable.

**For S/N T20608362 and on  
348.22 liters (92 US gal) total; 329.33 liters (87 US gal) usable.**

[Two 174.11 liters (46 US gal) integral tanks in wings at  
118.1 cm (46.5 in) aft of datum].

See Note 1 for data on unusable fuel.

**CERTIFICATION BASIS**

RBHA 23 Brazilian Requirements for Aeronautical Certification, which endorses the FAR 23 effective 01 February 1965, as amended by 23-1 through 23-6, except as follows:

- RBHA/FAR 23.423; 23.611; 23.619; 23.623; 23.689; 23.775; 23.871; 23.1323; and 23.1563 as amended by Amdt. 23-7.
- RBHA/FAR 23.807 and 23.1524 as amended by Amdt. 23-10.
- RBHA/FAR 23.507; 23.771; 23.853(a), (b) and (c); 23.1365 as amended by Amdt. 23-14.
- RBHA/FAR 23.951 as amended by Amdt. 23-15.
- RBHA/FAR 23.607; 23.675; 23.685; 23.733; 23.787; 23.1309 and 23.1322 as amended by Amdt. 23-17.
- RBHA/FAR 23.1301 as amended by Amdt. 23-20.
- RBHA/FAR 23.1353; and 23.1559 as amended by Amdt. 23-21.
- RBHA/FAR 23.603; 23.605; 23.613; 23.1329 and 23.1545 as amended by Amdt. 23-23.
- RBHA/FAR 23.441 and 23.1549 as amended by Amdt. 23-28.
- RBHA/FAR 23.779 and 23.781 as amended by Amdt. 23-33.
- RBHA/FAR 23.1; 23.51 and 23.561 as amended by Amdt. 23-34.
- RBHA/FAR 23.301; 23.331; 23.351; 23.427; 23.677; 23.701; 23.735; and 23.831 as amended by Amdt. 23-42.
- RBHA/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 Amdt. 23.43.
- RBHA/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 Amdt. 23-44.
- RBHA/FAR 23.33; 23.53; 23.305; 23.321; 23.485; 23.621; 23.655 and 23.731 as amended by Amdt. 23-45.

RBHA 36 Brazilian Requirements for Noise Certification, effective on 01 March 1989 corresponding to FAR 36 effective on 01 December 1969, as amended by Amdts. 36-1 through 36-21.

**Equivalent Safety Items:**

- (1) Throttle Control, RBHA/FAR 23.1143(g) - Number 97-4, FAA letter 25 November 1997.
- (2) Mixture Control, RBHA/FAR 23.1147(b) - Number 97-4, FAA letter 25 November 1997.

**CERTIFICATION BASIS (Cont.)**

In addition to the previous certification basis above mentioned, the following RBHA/FAR 23 paragraphs, specific to the Garmin G1000 Integrated Cockpit System (ICS) NAV III optional installation on the Models 206H and T206H, are applicable:

- RBHA/FAR 23.303; 23.307; 23.601; 23.1163(a)(1)(2); 23.1367 and 23.1381 as amended by Amendment 23-N/C.
- RBHA/FAR 23.1589 as amended by Amendment 23-13.
- RBHA/FAR 23.771(a) as amended by Amendment 23-14.
- RBHA/FAR 23.607 and 23.1309(a)(1)(2), (c) as amended by Amendment 23-17.
- RBHA/FAR 23.1301; 23.1327 and 23.1547(e) as amended by Amendment 23-20.
- RBHA/FAR 23.1501 and 23.1541(a)(1), (a)(2), (b)(1), (b)(2) as amended by Amendment 23-21.
- RBHA/FAR 23.603 and 23.605 as amended by Amendment 23-23.
- RBHA/FAR 23.1529 as amended by Amendment 23-26.
- RBHA/FAR 23.561(e); 23.1523; 23.1581(a)(2); 23.1583(a)(1), (a)(2), (b)(h) and 23.1585(a)(b)(d) as amended by Amendment 23-34.
- RBHA/FAR 23.301 as amended by Amendment 23-42
- RBHA/FAR 23.1322; 23.1331 and 23.1357(a)(b)(c)(d) as amended by Amendment 23-43.
- RBHA/FAR 23.305; 23.773(a)(1), (a)(2); 23.1525 and 23.1549 as amended by Amendment 23-45.
- RBHA/FAR 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), (b)(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.
- RBHA/FAR 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.
- RBHA/FAR 23.777(a)(b); 23.955(a)(2) and 23.1337(a)(1), (a)(2), (b)(1), (c) as amended by Amendment 23-51.
- RBHA/FAR 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.
- RBHA/FAR 23.901(a)(b) as amended by Amendment 23-53.
- Special Conditions as follows: No. 23-150-SC, Special Condition "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)".

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

- RBHA/FAR 23.1335 as amended by Amendment 23-20.
- RBHA/FAR 23.1309 (a)(3), (a)(4), (f)(2); 23.1329 (a)(c)(d)(e)(f); 23.1351 (a)(2)(ii); 23.1431 (c) as amended by Amendment 23-49.

**S/N'S ELIGIBLE**

T20608001 and on

**DATA PERTINENT TO ALL MODELS**

<b>FUEL</b>	100 / 100LL minimum grade aviation gasoline		
<b>CG RANGE</b>	Aft limits: 126.2 cm (49.7 in) aft of datum at 1 633 kg (3 600 lb) or less. Forward limits: linear variation from 107.9 cm (42.5 in) aft of datum at 1 633 kg (3 600 lb) to 83.8 cm (33.0 in) aft of datum at 1 134 kg (2 500 lb); 83.8 cm (33.0 in) aft of datum at 1 134 kg (2 500 lb) or less.		
<b>EMPTY WEIGHT CG RANGE</b>	None		
<b>DATUM</b>	Front face of firewall (fuselage station 0.0)		
<b>LEVELING MEANS</b>	Left side of tailcone at 385.7 cm (151.8 in) and 457.8 cm (180.3 in) aft of datum.		
<b>MEAN AERODYNAMIC CHORD</b>	149.4 cm (58.80 in). Leading edge of MAC is WL 333.8 cm (131.4 in) and FS 319.5 cm (125.8 in).		
<b>NUMBER OF SEATS</b>	6 [2 at 86.4 cm (34.0 in) to 121.9 cm (48.0 in) aft of datum; 2 at 175.3 cm (69.0 in) to 200.7 cm (79.0 in) aft of datum; 2 at 248.9 cm (98.0 in) aft of datum] .		
<b>MAXIMUM BAGGAGE</b>	81.7 kg (180 lb) at 276.9 cm (109.0 in) to 368.3 cm (145.0 in) aft of datum.		
<b>OIL CAPACITY</b>	10.41 liters (11.0 quarts) at 32.5 cm (12.8 in) forward of datum; 5.68 liters (6 quarts) usable.		
<b>CONTROL SURFACE MOVEMENTS</b>	Elevator:	Up $21^{\circ} \pm 1^{\circ}$ (relative to stabilizer)	Down $17^{\circ} \pm 1^{\circ}$
	Elevator tab:	Up $25^{\circ} +1^{\circ}, -0^{\circ}$	Down $5^{\circ} +1^{\circ}, -0^{\circ}$
	Rudder:	Right $24^{\circ} \pm 1^{\circ}$ (parallel to 0.00 W.L.)	Left $24^{\circ} \pm 1^{\circ}$
		Right $27^{\circ}13' \pm 1^{\circ}$	Left $27^{\circ}13' \pm 1^{\circ}$ (perpendicular to hinge line)
	Aileron:	Up $21^{\circ} \pm 2^{\circ}$	Down $14^{\circ}30' \pm 2^{\circ}$
	Wing flaps:	Down $40^{\circ} +1^{\circ}, -2^{\circ}$	
<b>IMPORT ELIGIBILITY</b>	<p>A Brazilian Certificate of Airworthiness may be issued on the basis of on an FAA Export Certificate on Airworthiness (or a third country Export Certificate on Airworthiness, in case of used aircraft imported from such country), including the following statement:</p> <p>“The aircraft covered by this certificate has been inspected, tested and found to be in conformity with the Brazilian approved type design as defined by the Brazilian Type Certificate No. 1999T06 and in condition of safe operation”.</p> <p>The ANAC Report H.10-1600-04, dated 03 December 2007, or any further respective revisions, contains the Brazilian requirements for the acceptance of these airplanes. (See note 4)</p> <p>Application for the Brazilian Type Certificate was dated 11 August 1997.</p>		

**REQUIRED EQUIPMENT**

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

**NOTES:**

**NOTE 1** Weight and balance. Current weight and balance report including list of equipment in certificated empty weight, and loading instructions when necessary must be provided for each aircraft at the time of original certification.

The certificated basic empty weight and corresponding center of gravity location must include unusable fuel of 10.89 kg (24 lb) at 121.9 cm (48 in) aft of datum, and full oil of 9.34 kg (20.6 lb) at 32.5 cm (12.8 in) forward of datum.

**NOTE 2** AFM, Markings and Placards:

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) 206HPHBR-00 (or later approved revision), which corresponds to the FAA approved Flight Manual No. 206HPHUS-00 (or later FAA approved revision) is applicable to Model 206H. The airplane must be operated according to the appropriate FAA Approved Brazilian Flight Manual.

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) No. 206HPHABR-00 (or later approved revision), which corresponds to the FAA Approved Flight Manual No. 206HPHAUS-00 (or later FAA approved revisions) are applicable to the Model 206H equipped with Garmin G1000 Integrated Cockpit System (ICS) NAV III. The airplane must be operated according to the appropriate FAA approved Brazilian AFM.

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) No. 206HPHBRR-00 (or later approved revision), which corresponds to the FAA Approved Flight Manual 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.

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) No. T206HPHBR-00 (or later approved revision), which corresponds to the FAA Approved Flight Manual No. T206HPHUS-00 (or later FAA approved revisions) is applicable to the Model T206H. The airplane must be operated according to the appropriate FAA approved Brazilian AFM.

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) No. T206HPHABR-00 (or later approved revision), which corresponds to the FAA Approved Flight Manual No. T206HPHAUS-00 (or later FAA approved revisions) is applicable to the Model T206H equipped with Garmin G1000 Integrated Cockpit System (ICS) NAV III. The airplane must be operated according to the appropriate FAA approved Brazilian AFM.

FAA Approved Brazilian Airplane Flight Manual (POH/AFM) No. T206HPHBRR-00 (or later approved revision), which corresponds to the FAA Approved Flight Manual T206HPHBUS-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 to be translated into Portuguese language are listed in the ANAC Report H.10-1600-0 "Brazilian Requirements for the Acceptance of the Model 206H" and H.10-1601-0 "Brazilian Requirements for the Acceptance of the Model T206H".

**NOTE 3** Continuing Airworthiness. See Maintenance Manual, Chapter 4, "Airworthiness Limitations" for inspections, mandatory retirement life information, and other requirements for continued airworthiness.

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- NOTE 4** The differences of the Brazilian airplanes in relation to the basic FAA type design are summarized below:
1. The Brazilian Airplane Flight Manuals approved by FAA, on behalf of ANAC, are required.
  2. Markings and placards in Portuguese language (see note 2).
- NOTE 5** The CHT probe must be installed on Head # 3 (for model 206H) and on Head # 5 (for model T206H).
- NOTE 6** The Garmin G1000 Integrated Cockpit System (ICS) NAV III is an optional installation for 206H and T206H models only and it is installed in the production line (not applicable to the used aircraft).

  
for **CLÁUDIO PASSOS SIMÃO**  
Gerente Geral, Certificação de Produtos Aeronáuticos  
(Manager, Aeronautical Products Certification)