



## *European Aviation Safety Agency*

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**EASA**

**TYPE-CERTIFICATE  
DATA SHEET**

**EASA.IM.A.516  
CESSNA MODEL C400 (LC41-550FG)**

**Type Certificate Holder:**

**Cessna Aircraft Company**  
P.O. Box 7704  
Wichita, Kansas 67277  
USA

**Manufacturer:**

**Cessna Aircraft Company**  
P.O. Box 7704  
Wichita, Kansas 67277  
USA

**For variants:** C400 (LC41-550FG)

Issue 01: 19-Feb-2009

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**SECTION 1: Model C400 (LC41-550FG)**

**A.I. General**

Data Sheet No.: EASA IM.A.516

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| 1. a) Type:                                | Model C400 (LC41-550FG)  |
| b) Variant:                                | N/A  |
| 2. Airworthiness Category:                 | Utility Category   |
| 3. Type Certificate Holder:                | Cessna Aircraft Company<br>P.O. Box 7704<br>Wichita, Kansas 67277<br>USA |
| 4. Manufacturer:                           | Cessna Aircraft Company<br>P.O. Box 7704<br>Wichita, Kansas 67277<br>USA |
| 5. Application Date at country of origine: | 24-Oct-2002  |
| 6. EASA Certification Application Date:    | 03-Jun-2008  |
| 7. EASA Type Certification Date:           | 19 Feb 2009  |

**A.II. Certification Basis**

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|--|---|
| 1. Reference Date for determining the applicable requirements: | 24-Oct-2002                               |
| 2. (Reserved)  |   |
| 3. (Reserved)  |   |
| 4. Certification Basis:  | as defined in EASA CRI A-01               |
| 5. Airworthiness Requirements:                                 | JAR 23, Amdt. 1, dated 1 Feb 2001         |
| 6. Requirements elected to comply:                             | None                                      |
| 7. EASA Special Conditions:                                    | as defined in EASA CRI A-01               |
| 8. (Reserved):   |   |
| 9. EASA Equivalent Safety Findings:                            | None                                      |
| 10. EASA Environmental Standards:                              | ICAO, Annex 16, Vol I, Chapter 10, 10.4b) |

**A.III. Technical Characteristics and Operational Limitations**

1. Type Design Definition: Master Drawing List RC011000, latest FAA approved Revision
2. Description: Single-engine, composite, four-place, low wing airplane, Fixed tricycle landing gear
3. Equipment: See Original delivery documents,  
For Minimum Equipment list refer to AFM
4. Dimensions:
  - Span 10.9 m(35.8 ft.)
  - Length 7.68 m(25.2 ft.)
  - Height 2.74 m(9.0 ft.)
  - Area 13.1 m<sup>2</sup> (141.2 ft<sup>2</sup>)
5. Engines: Teledyne Continental TSIO-550-C  
  
The EASA Engine Type Certification standard includes that of FAA TC E5SO, 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: 2600 RPM (310 hp)  
  
For power-plants limits refer to AFM and Pilot's Operating Handbook, Part No. RC50005, latest rev.
6. (Reserved)
7. Propellers: Hartzell Model HC-H3YF-1RF/F7693DF or HC-H3YF-1RF/F7693DFK.  
Hartzell Spinner Assembly, Part No. C-6446-1  
The EASA Propeller Type Certification standard includes that of FAA TC P35EA, 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 1.98 m (78.0 in.) Minimum Diameter: not under 1.96 m (77.0 in.) Number of Blades: 3
8. Fluids:
  - 8.1 Fuel: 100/100LL minimum grade aviation gasoline
  - 8.2 Oil: engine MIL-C-6529 or SAE J1966 Aviation Grade Straight Mineral Oil, for first 25 engine hours. After 25 engine hours, MHS-24 Aviation Grade Ashless Dispersant Oil.
  - 8.3 Coolant: n/a
9. Fluid capacities:
  - 9.1 Fuel: Wing Fuel Tanks
    - Total: 401 litres (106 US Gallons)
    - Usable: 386 litres (102 US Gallons)

- 9.2 Oil: engine 7.6 liters (10.0 qts.) drainable. See Engine TCDS E5SO
10. Airspeed Limits (IAS):  
Design Manoeuvring Speed  $v_A$ : 158 KIAS (162 KCAS)  
Flap Extended Speed  $v_{FE}$ : 117 KIAS (120 KCAS)  
Maximum Cruising Speed  $v_{NO}$ : 181 KIAS (185 KCAS)
11. Maximum Operating Altitude: 4267.2 m (14,000 ft) MSL without FAA approved oxygen system installed.  
7620 m (25,000 ft) MSL with FAA approved oxygen system installed.
12. Conditions  
Capability: VFR Day, VFR Night, IFR  
Flights into known or forecast icing conditions is prohibited
13. Maximum Masses:  
Take-off 1633 kg (3600 lbs.)  
Landing 1551 kg (3420 lbs.)  
Ramp 1633 kg (3600 lbs.)
14. Centre of Gravity Range (aft of Datum):  
**Forward Limits:** Straight line variation from 2.667 m (105 in.) aft of datum at 1179.34 kg to 1315.42 kg (2600 to 2900 lbs.) to 2.763 m (108.8 in.) aft of datum at 1633 kg (3600 lbs.).  
**Aft Limits:** 2.8448 m (112 in.) aft of datum at 1315.42 kg to 1633 kg (2900 to 3600 lbs.).
15. Datum: The forward edge of the wing saddle is located 2.465 m (97.05 inches) aft of the reference datum.  
Refer to the latest revision of "Airplane Maintenance Manual", Document No. RC050001, for detailed instructions
16. (Reserved)
17. Levelling Means: Plumb target and plumb line hanger are located in the rear seat area.
18. Minimum Flight Crew: 1 (Pilot)
19. Maximum Passenger Seating Capacity: 3
20. (Reserved)
21. Baggage / Cargo Compartments 9.07 kg (20 lbs.) allowed on the hat shelf.  
54.43 kg (120 lbs.) total.
- Wheels and Tyres  
Nose Wheel Tire Size 5.00 - 5  
Main Wheel Tire Size 6.00 - 6
22. Component Operation Time: refer to Maintenance Manual  
23. Additional Limitations: Airframe Life Limit: 25,200 flight hours

**A.IV. Operating and Service Instructions**

Airplane Flight Manual (AFM):

Document No. RC050005, latest approved revision

Airplane Maintenance Manual (AMM)  
(Including Airworthiness Limitations)

Document No. RC050001, latest revision

**A.V. Notes**

The basic required equipment as prescribed in the applicable airworthiness regulations must be installed in the airplane for certification.

NOTE 1: A current weight and balance report with a list of equipment included in the certificated empty weight must be provided for each aircraft at the time of original airworthiness certification.

NOTE 2: FAA Approved Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM): Part number RC050005 or later FAA approved revisions are applicable to the Model C400. The Airplane must be operated according to the appropriate AFM or POH/AFM. Required placards are included in the AFM or POH/AFM.

NOTE 3: Exterior colors are limited to those specified in the latest FAA approved revision to Chapter 4 of "*Airplane Maintenance Manual*," Document No. RC050001.

NOTE 4: Production Basis: Production Certificate No. PC-4, dated December 5, 2007, for serial numbers 411001 and up. Previously Production Certificate No. 719NM, dated November 1, 2005.

**CHANGE RECORD**

Issue	Date	Changes
1	19-Feb-2009	Initial Issue