



European Aviation Safety Agency

EASA

**TYPE CERTIFICATE
DATA SHEET**

BALLONS CHAIZE HOT AIR BALLOONS

Manned Free Hot Air Balloon

Type Certificate Holder:

BALLONS CHAIZE

CHEMIN DE MIRECOULY
07 100 ANNONAY
FRANCE

For models: CS-Type; JZ-Type; JZX-Type; DC-Type

Issue 07 25 May 2018
Issue: 06 04 Janvier 2017
Issue: 05 12 May 2016
Issue: 04 12 January 2015
Issue: 03, 4 July 2014
Issue: 02, 26 July 2013
Issue: 01, 25 October 2010
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SECTION 1 GENERAL, All Types and Variants

I. General

- | | |
|--|---|
| 1. Data Sheet No: EASA.BA.015 | Issue Date: 25 May 2018 |
| 2. Type / Variant or Model | |
| - Type: | Ballons Chaize Hot Air Balloons |
| - Model, Variant: | CS,
JZ,
JZX,
DC |
| 3. Airworthiness Category: | Normal |
| 4. Type Certificate Holder: | Ballons Chaize
Chemin de Mirecouly
07100 Annonay
FRANCE |
| 5. Manufacturer: | Ballons Chaize
Chemin de Mirecouly
07100 Annonay
France |
| | Former Manufacturers : |
| | ALTISPH'AIR
14 rue des Bruyères
64140 MORLAAS
FRANCE |
| | ANNONAY AIR CONCEPT
7 rue Vidal
07100 ANNONAY
FRANCE |
| | BALLONS CHAIZE
Annonay Air Concept
Chemin des Falcons
07100 ANNONAY
FRANCE |
| 6. National DGAC-FR Certification Date : | Refer to Sections 2 and 3 |
| 7. DGAC-FR Initial Application Date: | Refer to Sections 2 and 3 |
| 8. EASA Application Date: | Refer to Sections 2, 3 and 4 |
| 9. EASA Type Certification Date: | Refer to Sections 2, 3 and 4 |
| 10. Certification History | This EASA TCDS incorporates the data of 'Chaize JZ/JZX Type' TC data sheet N°. 182, édition n° 7, dated April 2001 issued by the DGAC France and replaces it. The corresponding Certificat de Navigabilité de type N°. 182 initially issued by the DGAC France 7 December 1992 and last amended 19 April 2001 is replaced by the TC EASA.BA.015.
The CS-model, former DGAC France TC N°. 79 with its TCDS N°. 152, was already part of the TCDS EASA.BA.015 Iss. 0 |

II. Certification Basis

- | | |
|--|--|
| 1. Reference Date for determining the applicable requirements: | Refer to Tables 2.1, 3.1 and 4.1 in Section 2 and 3 |
| 2. DGAC-FR Type Certificate Data Sheet No: | for CS Type: N°. 152, Issue 8
for JZ Type N°. 182, Issue 7
for JZX Type N°. 182, Issue 7 |
| 3. Certification Basis: | Refer to Tables 2.1, 3.1 and 4.1 in Section 2, 3 and 4:
- Conditions Techniques Générales CTG 015, édition no. 1 of 27 October 1975, marked (□)
- Conditions Techniques Générales CTG 015, édition no. 2 of 3 March 1980, and CTG 015/A introducing the requirements of FAR 31 Amdt. 4, marked (□□)
- Certification Specifications and Acceptable Means of Compliance for Hot Air Balloons CS-31HB Amdt. 1 dated 5 December 2011 marked (□□□) |
| 4. Airworthiness Requirements: | Refer to Tables 2.1, 3.1 and 4.1 in Section 2 and 3:
- FAR 31 change 2;
Additional Technical Conditions, CTG 015 – Section I;
Acceptable Means of Compliance, CTG 015 – Section II;
Free Manned Balloons Certification, CTG 015 – Section III;
Basic Technical Conditions, CTG 015 – Section IV
marked (○)
- CS 31HB Amdt. 1
marked (○○) |
| 5. Special Conditions: | None |
| 6. Reversion and Exemptions: | None |
| 7. Equivalent Safety Findings: | None |

III. Technical Characteristics and Operational Limitations

- | | |
|----------------------------|--|
| 1. Type Design Definition: | Refer to Tables 2.1, 3.1 and 4.1 in Section 2, 3 and 4: |
| 2. Description: | Manned free hot-air balloon with the natural shape envelope of 1 540 – 5000 m ³ volume, vertical or horizontal construction with 12-32 gores. Parachute in top for control and rapid deflation. Turning vents optional. Single backed up, or double burner as heater system. Conventional wicker baskets suspended beneath the envelope by stainless-steel cables and karabiners with a screw gate. Stainless steel, duralumin or titanium fuel cylinders and other equipment/instruments fixed on the inner side of the basket wall. |
| 3. Equipment: | - Altimeter
- Rate of climb/descent indicator
- Melting link for the envelope overheating check
- Fuel quantity gauge |
| 4. Envelope: | Refer to Section 2, 3 and 4, see Table 2.2, 3.2 or 4.2 |
| 5. Burner: | Refer to Section 2, 3 and 4, see Table 2.3, 3.3 or 4.3 |

- | | |
|---|---|
| 6. Basket: | Refer to Section 2, 3 and 4, see Table 2.4, 3.4 or 4.4 |
| 7. Mass: | Minimum Landing Weight & Maximum take-off mass: Refer to Section 2, 3 or 4 see Table 2.2, 3.2 or 4.2 |
| 8. Maximum Envelope Temperature: | for CS Types (polyamide fabric): 120°C
for JZ Types (polyamide fabric): 120°C
for JZX Types (polyester fabric): 130°C
for DC Types (polyamide fabric): 120°C |
| 9. Minimum Flight Crew: | 1 Pilot |
| 10. Maximum number of persons on board: | In accordance with approved Flight Manual |
| 11. Other Limitations: | <ul style="list-style-type: none">- The balloon is approved for VFR-Day flight- Life limited parts – see Airworthiness Limitations Section (ALS) in the Maintenance Manual |

IV. Operating and Service Instructions

Flight Manual: Manuel Utilisateur – Ballons Chaize, Réf: Manuel-1401001, Version 07_6, or later EASA approved revision,

Supplements concerning combinations with other manufacturer's parts:

- | | | |
|-----------------|----------------------|--|
| - Supplément 4 | – Base Cameron, | Version 01_03, or later EASA approved revision |
| - Supplément 5 | – Base Kubíček, | Version 01_02, or later EASA approved revision |
| - Supplément 6 | – Base Lindstrand, | Version 01_02, or later EASA approved revision |
| - Supplément 7 | – Base Ultramagic, | Version 01_03, or later EASA approved revision |
| - Supplément 8 | – Base Thunder&Colt, | Version 01_02, or later EASA approved revision |
| - Supplément 9 | – Base Raven, | Version 01_01, or later EASA approved revision |
| - Supplément 10 | – Base Sky Balloons, | Version 01_01, or later EASA approved revision |
| - Supplément 11 | – Base Schroeder, | Version 01_02, or later EASA approved revision |

Maintenance Manual: Manuel de maintenance et instructions de suivi de navigabilité série: JZ/JZX/CS/DC, Réf: ManE-1307001, Version : 03_3, or later EASA accepted revision

Applicable to:

1. CS Type, JZ Type and JZX balloons (up to including s/n 231 and NG001 and up);
2. DC Type balloons (from s/n DC001 and up).

V. Notes

1. Manufacturing confined to approved Part 21 Subpart F or Subpart G organisation (Commission Regulation (EU) No 748/2012 of 03/08/2012)
2. Two Fuel Cells approved for use at less per model
3. Combinations with other manufacturer's parts (bottom ends).
 - See approved AFM and related supplements

SECTION 2: CS-model definition and certification data

Table 2.1: Type Design

Model	Type design document n°	Reference date	Airworthiness Requirements (see II.4)	Certification basis (see II.3)	Approval date
CS 1600 F12	MDL-1706001-V1_0	1 July 1975	○	□	7 November 1975
CS 1600 F24	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 1800 F12	MDL-1706001-V1_0	1 January 1979	○	□	11 May 1979
CS 1800 F24	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 2000 F12	MDL-1706001-V1_0	1 July 1975	○	□	7 November 1975
CS 2000 F24	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 2200 F12	MDL-1706001-V1_0	1 January 1979	○	□	11 May 1979
CS 2200 F16	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 2200 F24	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 2200 F32	MDL-1706001-V1_0	1 January 1979	○	□	11 May 1979
CS 3000 F16	MDL-1706001-V1_0	1 January 1979	○	□	27 August 1981
CS 3000 F24	MDL-1706001-V1_0	12 May 2016			12 May 2016
CS 3000 F32	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 3700 F24	MDL-1706001-V1_0	11 November 2016	○○	□□□	November 2016
CS 4000 F16	MDL-1706001-V1_0	1 January 1979	○	□	11 May 1979
CS 4000 F32	MDL-1706001-V1_0	1 st November, 2003	○	□	March 2006
CS 4500 F24	MDL-1706001-V1_0	11 November 2016	○○	□□□	November 2016
CS 5000 F24	MDL-1706001-V1_0	13 April 2015	○○	□□□	April 2015
CS5500 F24	MDL-1706001-V1_0	18 March 2018	○○	□□□	April 2018

Table 2.2: Envelopes

Model	Type design document n°	Approval date	Volume [m³]	Gores [-]	MLM [kg]	MTOM [kg]
CS 1600 F12	MDL-1706001-V1_0	7 November 1975	1 540	12	N/A	500
CS 1600 F24	MDL-1706001-V1_0	March 2006	1 540	24	N/A	500
CS 1800 F12	MDL-1706001-V1_0	11 May 1979	1 850	12	N/A	500
CS 1800 F24	MDL-1706001-V1_0	March 2006	1 850	24	N/A	500
CS 2000 F12	MDL-1706001-V1_0	7 November 1975	2 150	12	N/A	500
CS 2000 F24	MDL-1706001-V1_0	March 2006	2 150	24	N/A	500
CS 2200 F12	MDL-1706001-V1_0	11 May 1979	2 650	12	N/A	750
CS 2200 F16	MDL-1706001-V1_0	March 2006	2 650	16	N/A	750
CS 2200 F24	MDL-1706001-V1_0	March 2006	2 650	24	N/A	750
CS 2200 F32	MDL-1706001-V1_0	11 May 1979	2 650	32	N/A	750
CS 3000 F16	MDL-1706001-V1_0	27 August 1981	3 350	16	N/A	1 000
CS 3000 F24	MDL-1706001-V1_0	May 2016	3030	24	N/A	1000
CS 3000 F32	MDL-1706001-V1_0	March 2006	3 350	32	N/A	1 000
CS 3700 F24	MDL-1706001-V1_0	11 november 2016	3700m3	24	540	1260
CS 4000 F16	MDL-1706001-V1_0	11 May 1979	4 250	16	N/A	1 100
CS 4000 F32	MDL-1706001-V1_0	March 2006	4 250	32	N/A	1 100
CS4500 F24	MDL-1706001-V1_0	11 November 2016	4550m3	24	700	1460
CS 5000 F24	MDL-1706001-V1_0	12 May 2016	5 000	24	700	1 700
CS5500 F24	MDL-1706001-V1_0	18 March 2018	5500m3	24	700	1850

Table 2.3: Burners

Model	Description	Applicable load frames (measures)	Drawing n°.	Certification basis	Approval date
Chaize 303	Double	900 x 600	303	CTG15	11 May 1979
Chaize 304	Single	640 x 615	304	CTG15	7 November 1975

Table 2.4: Baskets

Model	Description [m]	Drawing n°.	Certification basis	Approval date
A 100	1.10 x 1.10	DDEF-1409007-v1_0	CTG 015A	18 Nov 2014
A 101	1.10 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 200	1.30 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 201	1.10 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A201 C	1.20 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 300	1.50 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 301	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 302	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 303 T	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 401	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 403	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 403 T	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A501	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 503	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014
A 503 T	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 Nov 2014

Table 2.5: Approved combinations of envelopes and baskets for CS models

Envelope Model	Basket														
	A 100	A 101	A 200	A 201	A 201 C	A 300	A 301	A 302	A 303 T	A 401	A 403	A 403 T	A 501	A 503	A 503 T
CS 1600 F12	●	●	---	---	---	---	---	---	---	---	---	---	---	---	---
CS 1600 F24	●	●	---	---	---	---	---	---	---	---	---	---	---	---	---
CS 1800 F12	●	●	●	●	---	---	---	---	---	---	---	---	---	---	---
CS 1800 F24	●	●	●	●	---	---	---	---	---	---	---	---	---	---	---
CS 2000 F12	---	---	●	●	●	---	---	---	---	---	---	---	---	---	---
CS 2000 F24	---	---	●	●	●	---	---	---	---	---	---	---	---	---	---
CS 2200 F12	---	---	●	●	●	●	●	●	●	---	---	---	---	---	---
CS 2200 F16	---	---	●	●	●	●	●	●	●	---	---	---	---	---	---
CS 2200 F24	---	---	●	●	●	●	●	●	●	---	---	---	---	---	---
CS 2200 F32	---	---	●	●	●	●	●	●	●	---	---	---	---	---	---
CS 3000 F16	---	---	●	●	●	●	●	●	●	●	●	●	---	---	---
CS3000 F24	---	---	●	●	●	●	●	●	●	●	●	●	---	---	---
CS 3000 F32	---	---	●	●	●	●	●	●	●	●	●	●	---	---	---
CS3700 F24	---	---			●	●	●	●	●	●	●	●	●	---	---
CS 4000 F16	---	---	---	---	---	●	●	●	●	●	●	●	●	●	●
CS 4000 F32	---	---	---	---	---	●	●	●	●	●	●	●	●	●	●
CS 4500 F24	---	---	---	---	---	●	●	●	●	●	●	●	●	●	●
CS 5000 F24	---	---	---	---	---	---	---	---	---	●	●	●	●	●	●
CS 5500 F24	---	---	---	---	---	---	---	---	---	●	●	●	●	●	●

Legend: ● combination approved
 --- combination not approved

SECTION 3: JZ/JZX-model definition and certification data

Table 3.1: Type Design

Model	Type design document n°	Reference date	Airworthiness Requirements (see II.4)	Certification basis (see II.3)	Approval date
JZ 18 F12	MDL-1706001-V1_0	June 2016	○	□□	30 March 1993
JZ 18 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 20 F12	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 20 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 22 F12	MDL-1706001-V1_0	June 2016	○	□□	27 July 1994
JZ 22 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 25 F12	MDL-1706001-V1_0	June 2016	○	□□	27 July 2009
JZ 25 F16	MDL-1706001-V1_0	June 2016	○	□□	30 March 1993
JZ 25 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 25 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 30 F16	MDL-1706001-V1_0	June 2016	○	□□	7 December 1992
JZ 30 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ34 F16	MDL-1706001-V1_0	June 2016	○	□□	3 January 2017
JZ 34 F24	MDL-1706001-V1_0	June 2016	○	□□	3 January 2017
JZ 35 F16	MDL-1706001-V1_0	June 2016	○	□□	27 July 1994
JZ 35 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZ 40 F16	MDL-1706001-V1_0	June 2016	○	□□	7 December 1992
JZ 40 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 18 F12	MDL-1706001-V1_0	June 2016	○	□□	30 March 1993
JZX 18 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 20 F12	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 20 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 22 F12	MDL-1706001-V1_0	June 2016	○	□□	27 July 1994
JZX 22 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 25 F12	MDL-1706001-V1_0	June 2016	○	□□	27 July 2009
JZX 25 F16	MDL-1706001-V1_0	June 2016	○	□□	30 March 1993
JZX 25 F24	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 25 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 30 F16	MDL-1706001-V1_0	June 2016	○	□□	7 December 1992
JZX 30 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 35 F16	MDL-1706001-V1_0	June 2016	○	□□	27 July 1994
JZX 35 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999
JZX 40 F16	MDL-1706001-V1_0	June 2016	○	□□	7 December 1992
JZX 40 F32	MDL-1706001-V1_0	June 2016	○	□□	11 June 1999

Table 3.2: Envelopes

Model	Type design document n°	Approval date	Volume [m³]	Gores [-]	MTOM [kg]
JZ 18 F12	MDL-1706001-V1_0	4 January 2017	1 887	12	570
JZ 18 F24	MDL-1706001-V1_0	4 January 2017	1 887	24	570
JZ 20 F12	MDL-1706001-V1_0	4 January 2017	2 138	12	650
JZ 20 F24	MDL-1706001-V1_0	4 January 2017	2 138	24	650
JZ 22 F12	MDL-1706001-V1_0	4 January 2017	2 408	12	725
JZ 22 F24	MDL-1706001-V1_0	4 January 2017	2 408	24	725
JZ 25 F12	MDL-1706001-V1_0	4 January 2017	2 547	12	815
JZ 25 F16	MDL-1706001-V1_0	4 January 2017	2 547	16	815
JZ 25 F24	MDL-1706001-V1_0	4 January 2017	2 547	24	815
JZ 25 F32	MDL-1706001-V1_0	4 January 2017	2 547	32	815
JZ 30 F16	MDL-1706001-V1_0	4 January 2017	3 100	16	963
JZ 30 F32	MDL-1706001-V1_0	4 January 2017	3 100	32	963
JZ34 F16	MDL-1706001-V1_0	4 January 2017	3400	16	1080
JZ 34 F24	MDL-1706001-V1_0	4 January 2017	3400	24	1080
JZ 35 F16	MDL-1706001-V1_0	4 January 2017	3 515	16	1 120
JZ 35 F32	MDL-1706001-V1_0	4 January 2017	3 515	32	1 120
JZ 40 F16	MDL-1706001-V1_0	4 January 2017	4 080	16	1 300*
JZ 40 F32	MDL-1706001-V1_0	4 January 2017	4 080	32	1 300*
JZX 18 F12	MDL-1706001-V1_0	4 January 2017	1 887	12	570
JZX 18 F24	MDL-1706001-V1_0	4 January 2017	1 887	24	570
JZX 20 F12	MDL-1706001-V1_0	4 January 2017	2 138	12	650
JZX 20 F24	MDL-1706001-V1_0	4 January 2017	2 138	24	650
JZX 22 F12	MDL-1706001-V1_0	4 January 2017	2 408	12	725
JZX 22 F24	MDL-1706001-V1_0	4 January 2017	2 408	24	725
JZX 25 F12	MDL-1706001-V1_0	4 January 2017	2 547	12	815
JZX 25 F16	MDL-1706001-V1_0	4 January 2017	2 547	16	815
JZX 25 F24	MDL-1706001-V1_0	4 January 2017	2 547	24	815
JZX 25 F32	MDL-1706001-V1_0	4 January 2017	2 547	32	815
JZX 30 F16	MDL-1706001-V1_0	4 January 2017	3 100	16	963
JZX 30 F32	MDL-1706001-V1_0	4 January 2017	3 100	32	963
JZX 35 F16	MDL-1706001-V1_0	4 January 2017	3 515	16	1 120
JZX 35 F32	MDL-1706001-V1_0	4 January 2017	3 515	32	1 120
JZX 40 F16	MDL-1706001-V1_0	4 January 2017	4 080	16	1 300*
JZX 40 F32	MDL-1706001-V1_0	4 January 2017	4 080	32	1 300*

* MTOM = 1 260 kg must not be exceeded with the baskets A 101, A 201, A 301, A 302 A 303 T

Table 3.3: Burners

Model	Description	Applicable load frame measures [mm]	Drawing n°.	Certification basis	Approval date
T&C Mk II / Mk III	single	730 x 670	Colt 2 / Colt 3	CTG15	1991
T&C Mk II / Mk III	double	730 x 670	Colt 2 / Colt 3	CTG15	1991
T&C Mk II / Mk III	triple	1 000 x 1 000	Colt 2 / Colt 3	CTG15	1991

Table 3.4: Baskets

Model	Description [m]	Drawing n°.	Certification basis	Approval date.
A 100	1.10 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 101	1.10 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 200	1.30 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 201	1.10 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A201 C	1.20 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 300	1.50 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 301	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 302	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 303 T	1.10 x 1.50	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 401	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 403	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 403 T	1.30 x 1.70	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A501	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 503	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 503 T	1.50 x 2.00	DDEF-1409007-V1_0	CTG 015A	18 November 2014

Table 3.5: Approved combinations of envelopes and burners for JZ/JZX models

Envelope Model	Burner		
	T&C Mk II / Mk III single	T&C Mk II / Mk III double	T&C Mk II / Mk III triple
JZ 18 F12	●	●	---
JZ 18 F24	●	●	---
JZ 20 F12	---	●	---
JZ 20 F24	---	●	---
JZ 22 F12	---	●	---
JZ 22 F24	---	●	---
JZ 25 F12	---	●	---
JZ 25 F16	---	●	---
JZ 25 F24	---	●	---
JZ 25 F32	---	●	---
JZ 30 F16	---	●	---
JZ 30 F32	---	●	---
JZ34 F16	---	●	●
JZ34 F24	---	●	●
JZ 35 F16	---	●	●
JZ 35 F32	---	●	●
JZ 40 F16	---	●	●
JZ 40 F32	---	●	●
JZX 18 F12	●	●	---
JZX 18 F24	●	●	---
JZX 20 F12	---	●	---
JZX 20 F24	---	●	---
JZX 22 F12	---	●	---
JZX 22 F24	---	●	---
JZX 25 F12	---	●	---
JZX 25 F16	---	●	---
JZX 25 F24	---	●	---
JZX 25 F32	---	●	---
JZX 30 F16	---	●	---
JZX 30 F32	---	●	---
JZX 35 F16	---	●	●
JZX 35 F32	---	●	●
JZX 40 F16	---	●	●
JZX 40 F32	---	●	●

Legend: ● combination approved
 --- combination not approved

Table 3.6: Approved combinations of envelopes and baskets for JZ/JZX models

Envelope Model	Basket													
	A 100	A 101	A 200	A 201	A 300	A 301	A 302	A 303 T	A 401	A 403	A 403 T	A 501	A 503	A 503 T
JZ 18 F12	●	●	---	---	---	---	---	---	---	---	---	---	---	---
JZ 18 F24	●	●	---	---	---	---	---	---	---	---	---	---	---	---
JZ 20 F12	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZ 20 F24	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZ 22 F12	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZ 22 F24	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZ 25 F12	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZ 25 F16	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZ 25 F24	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZ 25 F32	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZ 30 F16	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ 30 F32	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ34F16	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ34F24	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ 35 F16	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ 35 F32	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZ 40 F16	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JZ 40 F32	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JZX 18 F12	●	●	---	---	---	---	---	---	---	---	---	---	---	---
JZX 18 F24	●	●	---	---	---	---	---	---	---	---	---	---	---	---
JZX 20 F12	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZX 20 F24	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZX 22 F12	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZX 22 F24	●	●	●	●	---	---	---	---	---	---	---	---	---	---
JZX 25 F12	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZX 25 F16	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZX 25 F24	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZX 25 F32	●	●	●	●	●	●	●	●	---	---	---	---	---	---
JZX 30 F16	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZX 30 F32	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZX 35 F16	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZX 35 F32	●	●	●	●	●	●	●	●	●	●	●	---	---	---
JZX 40 F16	●	●	●	●	●	●	●	●	●	●	●	●	●	●
JZX 40 F32	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Legend: ● combination approved
 --- combination not approved

SECTION 4: DC-model definition and certification data

Table 4.1: Type Design

Model	Type design document n°	Reference date	Airworthiness Requirements (see II.4)	Certification basis (see II.3)	Approval date
DC 1800 F16	MDL-1706001-V1_0	June 2016	oo	□□□	4 July 2014
DC 2000 F16	MDL-1706001-V1_0	June 2016	oo	□□□	4 July 2014
DC 2200 F16	MDL-1706001-V1_0	June 2016	oo	□□□	4 July 2014

Table 4.2: Envelopes

Model	Type design document n°	Approval date	Volume [m³]	Gores [-]	MTOM [kg]	Min. Landing Mass [kg]
DC 1800	MDL-1706001-V1_0	4 January 2016	1 800	16	600	260
DC 2000	MDL-1706001-V1_0	4 January 2016	2 000	16	630	290
DC 2200	MDL-1706001-V1_0	4 January 2016	2 200	16	680	340

Table 4.3: Burners

Model	Description	Applicable load frame measures [mm]	Drawing n°.	Certification basis	Approval date
Chaize 303	Double	900 x 600	303	CTG15	11 May 1979

Table 4.4: Baskets

Model	Description [m]	Drawing n°.	Certification basis	Approval date.
A 100	1.10 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 101	1.10 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 200	1.30 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 201	1.10 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A201 C	1.20 x 1.30	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 300	1.50 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 301	1.50 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014
A 302	1.50 x 1.10	DDEF-1409007-V1_0	CTG 015A	18 November 2014

Table 4.5: Approved combinations of envelopes and baskets for DC models

Envelope Model	Basket						
	A 100	A 101	A 200	A 201	A 300	A 301	A 302
DC 1800	●	●	●	●	●	●	●
DC 2000	●	●	●	●	●	●	●
DC 2200	●	●	●	●	●	●	●

Legend: ● combination approved
--- combination not approved