



SUPPLEMENTAL TYPE-CERTIFICATE DATA SHEET

Supplemental Type Certificate 10063798

for

AIRBUS A330-300 and A330-200

Passenger to Freighter Conversion

Supplemental Type Certificate Holder

Elbe Flugzeugwerke GmbH

Grenzstr. 1, 01109

Dresden, Germany

For Models: A330-300/200 Passenger-to-Freighter



SECTION 1: A330-200/300 P2F SERIESI. General

1.	Type/ Model/ Variant	A330-200/300 converted by EASA STC 10063798 referenced as A330-300/200P2F
2.	Performance Class	A
3.	Certifying Authority	EASA
4.	Manufacturer	Elbe Flugzeugwerke GmbH (EFW) Grenzstr. 1, 01109 Dresden, Germany
5.	EASA Certification Application Date	13 March 2013 (A330-300P2F) and 4 March 2016 (A330-200P2F)
6.	EASA STC Date	22 Nov 2017 (A330-300P2F) and 17 Jul 2018 (A330-200P2F)

II. Certification Basis

- Reference Date for determining the applicable airworthiness requirements
13 March 2013

(Note: Though the application date for A330-200P2F STC is on 4 March 2016, it is a non-significant major change to A330-300P2F STC. Hence, the applicable airworthiness requirement in effect is on the date where the application of A330-300P2F STC is made.)
- Reference Date for determining the applicable operational suitability requirements
6 October 2016
- Airworthiness Requirements
 - For significant changes, CS25 Amendment 12 is used.
 - For secondary changes (not elected to CS25 Amendment 12), not significant changes, unaffected areas and unchanged: A330 pax certification basis as per EASA TCDS EASA.A.004.



Regulations at the latest Amendment level: CS25 Amdt 12

25.23	25.25	25.27
25.29	25.301	25.303
25.305(a)(b)(c)	25.307(a)	25.365
25.561	25.562	25.571(a)(b)(e)
25.581	25.601	25.603
25.605	25.607	25.609
25.611(a)	25.613(a)(b)	25.619
25.623	25.625	25.629
25.771(e)	25.775(d)	25.783(a)(1)(2)(3)(4)(5)(b)(c)(d)(e)(f)
25.785(a)(b)(c)(d)(f)(1)(3)(i)(j)(k)	25.787	25.789
25.791	25.793	25.795(b)(1)(2)
25.801	25.803(a)	25.807(a)(3)(g)(1)(i)(1)
25.809(b)(c)(d)(e)(g)(i)	25.810(a)	25.811(a)(b)(c)(d)(2)(e)(f)(g)
25.812(a)(b)(2)(c)(d)(e)	25.813(b)(c)(4)(ii)(5)(i)(ii)(7)(8)	25.843
25.851(a)(1)(2)(3)(5)(6)(7)(8)(b)(c)	25.853(a)(c)(f)(g)(h)	25.855(a)(b)(c)(d)(e)(f)(g)(h)(2)(i)(j)
25.856(a)	25.857(c)(e)	25.858
25.863(a)(b)	25.869(a)(c)	25.899
25.981	25.1301	25.1309
25.1316	25.1321(d)(e)	25.1322
25.1353	25.1360	25.1365(b)(c)
25.1411(a)(b)(c)(d)(e)(f)(g)(1)	25.1415(a)(b)(c)(d)	25.1423(c)
25.1431(a)(c)(d)	25.1439	25.1441(a)(b)(c)
25.1443(c)(e)	25.1445(a)(1)	25.1447(a)(c)(1)(3)
25.1449	25.1453	25.1459(e)
25.1529	25.1535	25.1541
25.1557(a)(c)(d)	25.1561	25.1581
25.1583(c)(1)(2)	25.1705(a)(b)(3)(4)(9)(11)(13) (15)(16)	25.1709
25.1713	25.1717	25.1721
25.1729		

Regulations at the Amendment level: JAR 25 Change 14

25.321	25.331	25.333
25.341	25.343	25.345
25.349	25.351	25.373
25.777(a)(b)(c)(g)	25.1381(a)(b)	

Regulations at the Amendment level in TCDS EASA.A.004 JAR 25 Change 13

25.337	25.471(a)(b)	25.479
25.481	25.483	25.485
25.487	25.489	25.491
25.493	25.495	25.499
25.503	25.507(a)(b)	25.509
25.511	25.601	25.603
25.607	25.609	25.611
25.671(b)(d)	25.683(a)	25.685(a)(c)
25.689(a)(2)(c)	25.773(a)(2)	25.783
25.809(a)	25.831(a)(b)(c)(d)(e)	25.841(a)(b)(2)(3)
25.903(d)(1)	25.993(a)(b)(c)(f)	25.1103(d)
25.1301	25.1309	25.1322
25.1351(a)	25.1353(a)(b)	25.1357(a)(f)
25.1403 (for A330-200P2F only)	25.1435(a)(b)(c)	25.1438
25.1455	25.1461	25.1555(a)

3.1. Special Conditions

a. A330-200/300 Existing Special Conditions

SC A-2	Interaction of systems and structure
SC A-3	Design manoeuvre requirements
SC S-10.2	Effects of external radiation upon aircraft systems
SC S-23	Electrical wiring and miscellaneous electrical requirements
SC H-01	Enhanced Airworthiness Programme for aeroplane systems – ICA on EWIS

b. New Special Conditions for A330-200/300 P2F

D-02	Courier Compartment
D-03	Fire Protection of Essential systems/ equipment with Class E cargo compartments
D-04	Access to Class E Cargo Compartment in Flight

3.2. Environmental Protection Requirements

As there is no change to the engine, performance, CG or design weights of the aircraft, the noise and emissions requirements are not affected by the change.

4. Operational Suitability Requirements

4.1 Master Minimum Equipment List

CS-MMEL Amendment 1

4.2 Flight Crew Data (FCD)

CS-FCD Initial Issue

III. Technical Characteristics and Operational Limitations

1. STC Design Definition

For A330-300P2F, as defined in Document Master List 398/AED/011 Rev B or later approved revision and Master Drawing List 398/MDL/001 Rev N or later approved revision.

For A330-200P2F, as defined in Document Master List 398/AED/011 Rev F or later approved revision and Master Drawing List 398/MDL/001 Rev P or later approved revision.



2. Description

The A330P2F modification converts the passenger airplane into a freighter with the following major features:

- a. A courier compartment with the Courier Stowage option can accommodate up to a maximum of 6 occupants. The courier compartment with the Flight Crew Rest Compartment (FCRC) option can accommodate up to a maximum of 4 occupants.
- b. Installation of a 9g barrier net and smoke curtain
- c. Installation of Main Deck Cargo Door (MDCD)
- d. Installation of MDCD Frame Shell
- e. Conversion of the main cabin to a Class E cargo compartment (with in-flight access)
- f. Reinforcement of Main Deck Cargo Compartment Floor Structures

3. Equipment

For A330-300P2F, as defined in Document Master List 398/AED/011 Rev B or later approved revision and Master Drawing List 398/MDL/001 Rev N or later approved revision.

For A330-200P2F, as defined in Document Master List 398/AED/011 Rev F or later approved revision and Master Drawing List 398/MDL/001 Rev P or later approved revision.

4. Dimensions

Remains the same as defined in TCDS EASA.A.004.

5. Engines

Remains the same as defined in TCDS EASA.A.004.

6. Auxiliary Power Unit

Remains the same as defined in TCDS EASA.A.004.

7. Propellers

Remains the same as defined in TCDS EASA.A.004.

8. Fluids (Fuel, Oil, Additives, Hydraulics)

Remains the same as defined in TCDS EASA.A.004.

9. Fluid Capacities

Remains the same as defined in TCDS EASA.A.004.

10. Airspeed Limits

Remains the same as defined in TCDS EASA.A.004.

11. Flight Envelope

Remains the same as defined in TCDS EASA.A.004.

12. Operating Limitations

12.1. Approved Operations

See the appropriate A330 PAX Approved Airplane Flight Manual and A330P2F Airplane Flight Manual Supplement Envelope (A330P2F/AFM-ENV)



12.2. Other Limitations

See the appropriate A330 PAX Approved Airplane Flight Manual and A330P2F Airplane Flight Manual Supplement Envelope (A330P2F/AFM-ENV)

13. Maximum Certified Masses

Remains the same as defined in TCDS EASA.A.004.

14. Centre of Gravity Range

Remains the same as defined in TCDS EASA.A.004.

15. Datum

Remains the same as defined in TCDS EASA.A.004.

16. Mean Aerodynamic Chord (MAC)

Remains the same as defined in TCDS EASA.A.004.

17. Levelling Means

Remains the same as defined in TCDS EASA.A.004.

18. Minimum Flight Crew

Two (2): Pilot and Co-pilot. Remains the same as defined in TCDS EASA.A.004.

19. Minimum Supernumeraries

No minimum supernumerary is required.

20. Maximum Seating Capacity

Courier compartment, installed with Courier Stowage option, can accommodate up to 6 supernumeraries; or

Courier compartment, installed with Flight Crew Rest Compartment (FCRC) option, can accommodate up to 4 supernumeraries.

Note: Persons authorized to occupy the courier compartment are as defined in A330P2F Airplane Flight Manual Supplement Envelope (A330P2F/AFM-ENV)

21. Baggage/ Cargo Compartment

Refer to A330P2F Weight and Balance Manual Supplement Envelope (A330P2F/WBM-ENV)

22. Wheels and Tires

Remains the same as defined in TCDS EASA.A.004.

23. ETOPS

Refer to A330P2F CMP Document Supplement Envelope (A330P2F/AMC 20-6/CMP)



IV. Operating and Service Instructions

1. Airplane Flight Manual (AFM)

For A330-300P2F, refer to Airplane Flight Manual Supplement, A330P2F/AFM-ENV Revision 01 or later approved revisions.

For A330-200P2F, refer to Airplane Flight Manual Supplement, A330P2F/AFM-ENV Revision 03 or later approved revisions.

2. Instructions for Continued Airworthiness and Airworthiness Limitations

For A330-300P2F, refer to Instructions for Continued Airworthiness Document, 398/AED/ICA Revision B or later approved revisions.

For A330-200P2F, refer to Instructions for Continued Airworthiness Document, 398/AED/ICA Revision C or later approved revisions.

3. Weight and Balance Manual (WBM)

For A330-300P2F, refer to Weight and Balance Manual Supplement Envelope, A330P2F/WBM-ENV Revision 00 or later approved revisions.

For A330-200P2F, refer to Weight and Balance Manual Supplement Envelope, A330P2F/WBM-ENV Revision 01 or later approved revisions.

V. Operating Suitability Data (OSD)

The Operational Suitability Data elements listed below are approved by the European Aviation Safety Agency under the EASA Type Certificate [original TC number] as per Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014.

1. Master Minimum Equipment List

- a. For A330-300P2F, the MMEL reference A330P2F/MMEL-ENV Revision 01 or later approved revisions.
- b. For A330-200P2F, the MMEL reference A330P2F/MMEL-ENV Revision 02 or later approved revisions.
- c. Required for entry into service by EU operator

2. Flight Crew Data

- a. For A330-300P2F, the Flight Crew Data reference 398/TST/OSD-FCD Revision B or later approved revisions.
- b. For A330-200P2F, the Flight Crew Data reference 398/TST/OSD-FCD Revision C or later approved revisions.
- c. Required for entry into service by EU operator

3. Cabin Crew Data

Not applicable



4. SIM Data
Not applicable
5. Maintenance Certifying Staff Data
Not applicable
6. Other
(e.g. EFB, special operations and special equipment, ..)
Not applicable



VI. Notes

1. Additional information is provided in EASA TCDS (EASA.A.004).
2. This modification must be installed concurrently with the following :
 - a. Powered Cargo Loading System per EASA STC 10063797
 - b. Courier Module, including the following options, per EASA STC 10063796
 - i. Courier Stowage
 - ii. Flight Crew Rest Compartment (FCRC)
 - c. Lavatory per EASA STC 10063795
 - d. Airbus Cockpit Computer Modification
 - i. EIS1 V515X Standard [Mod no. 204448]; or
EIS2 L10 Standard [Mod no. 205162]
 - ii. FWC T7 Standard [Mod no. 205228]
 - iii. SDAC C11 Standard [Mod no. 203928]
 - iv. FDIU L10 Standard [Mod no. 204717]; or
FDIMU L10 Standard [Mod no. 58688]; or
FDIMU FL1 Standard [Mod no. 201383]



SECTION 2: ADMINISTRATIVE**I. Acronyms and Abbreviations**

AFM	Airplane Flight Manual
CS	Certification Specification
EASA	European Aviation Safety Agency
EIS	Electronic Instrument System
ETOPS	Extended Range Operations with Two-Engined Aeroplanes
EU	European Union
EWIS	Electrical Wiring Interconnection System
FCD	Flight Crew Data
FDIU	Flight Data Interface Unit
FDIMU	Flight Data Interface and Management Unit
FWC	Flight Warning Computer
ICA	Instructions for Continued Airworthiness
JAR	Joint Aviation Requirements
MMEL	Master Minimum Equipment List
OSD	Operational Suitability Data
P2F	Passenger-to-Freighter
SC	Special Condition
SDAC	System Data Acquisition Concentrator
SIM	Simulator
STC	Supplemental Type Certificate
TC	Type Certificate
TCDS	Type Certificate Data Sheet

II. Supplemental Type Certificate Holder Record

Elbe Flugzeugwerke GmbH (EFW)

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III. Change Record

Issue	Date	Changes
Issue 01	22 Nov 2017	Initial Issue
Issue 02	17 Jan 2018	Typographic changes
Issue 03	17 Jul 2018	Model -200 included
Issue 04	13 Nov 2018	Correction of typos
Issue 05	30 July 2019	Updating of STC Revisions
Issue 06	12 Aug 2019	Updating of STC Revisions

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