UNITED KINGDOM
CIVIL AVIATION AUTHORITY

FA34
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Dornier 228

TYPE CERTIFICATE DATA SHEET No. FA 34

This data sheet which is part of CAA Type Certificate No.FA 34 prescribes conditions and limitations under which the product, for which the type certificate was issued, meets the airworthiness requirements of the Civil Aviation Authority. UK Certification is based on LBA certification as indicated in Data Sheet 2031.

TYPE CERTIFICATE HOLDER: Dornier Luftfahrt GmbH

MANUFACTURER: Dornier Luftfahrt GmbH
Postfach 1103
D-82230 Wessling
Germany

AIRCRAFT TYPE/
MODEL NUMBER(S): Dornier 228
228-100, 228-200, 228-201(K), 228-202(K)

TYPE DESIGN DEFINITION:

Production

228-100
Production No. 1001 - KZA-007 001 B00F - May 1985 & Deviation No. 629.
Production No's. 1002-1010 - KZA-007 000 B00D - July 1982.
Production No's. 1011-1035 - KZA-007 000 C00D - May 1983.
Production No's. From 1036 - KZA-007 000 D00D - April 1984.
228-200
Production No's. 1002-1010 - KZA-008 000 A00D - August 1982.
Production No's. 1011-1035 - KZA-008 000 B00D - May 1983.
Production No's. From 1036 - KZA-008 000 C00D - April 1984.
228-201
Production No's. 1002-1010 - KZA-018 000 A00D - August 1984.
Production No's. 1011-1035 - KZA-018 000 B00D - August 1984.
Production No's. from 1036 - KZA-018 000 C00D - December 1984.
228-202
Production No's. from 1134 - KZB-028 000 A00D - July 1986.

CERTIFICATION BASIS:

The following requirements were the basis of certification of the type design:

FAR Part 23, dated 1 February 1965 as amended by 23-1 through 23-23 excluding paragraph 23.1(Amendment 23-6).

FAR Part 135 Appendix A, dated 1 December 1978.

Findings of Equivalent Level of Safety were made for paragraph 23.207(c) and Part 135, Appendix A, paragraph 32(c)(2) on 228-100 aircraft, and paragraph 23.207(c) on 228-200, -210(k) and-202(k) aircraft.

SFAR 41C (ICAO - Annex 8) of 13 September 1982 for the 228-201(k) and -202(K).

UK Special Conditions.

CERTIFICATION CATEGORY:

UK : Transport Category (Passenger)

PERFORMANCE CATEGORY:

UK : Group C Models: 228-100, 228-200
Group A Models : 228-201(K), 228-202(K)

FLIGHT MANUAL:

The limitations, recommended procedures and information required are contained in the following Flight Manuals:

LBA Approved United Kingdom Airplane Flight Manuals Edition 2 for Dornier 228-100, 228-200, 228-201(K) equipped with keel (K) and 228-202 equipped with keel (K).

ENGINE:

Two Garrett AIResearch TPE 331-5-252D and TPE 331-5B-252D engines each fitted with one Hartzell HC-B4TN-5ML propeller hub with the following blade types:

PROPELLER:

Model 228-100/-200/-201(K) Propeller blade types LT 10574 and LT 10574A, B, AB, AS, ASB, FNS, FNSB, FS or FSB.

Model 228-202(K) Propeller blade types LT 10574AS, ASB, FNS, FNSB, FS, or FSB only.

MAXIMUM WEIGHTS:

	228-100/200	228-201(K)	228-201(K)
Maximum Taxying weight	12 632 lb (5730kg)	13 250 lb (6010 kg)	13 735 lb (6230 kg)
Maximum take-off weight	12 566 lb (5700 kg)	13 184 lb (5980 kg	13 669 lb (6200 kg)
Maximum landing weight	12 566 lb (5700 kg)*	12 677 lb (5750 kg)	13 007 lb (5900 kg)
Maximum zero fuel weight	12 214 lb (5540 kg)	12 324 lb (5590 kg)	12 324 lb (5590 kg)
Maximum aerobatic weight			

*Maximum landing weight 13 007 lb (5900 kg) if main landing gear to A-510 000 COOD (LH) and A-520-COOD (RH) standard.

DIMENSIONS:

228-100 Series	Ft	M
Length	49’4	15.04
Wingspan	55’8	16.97
Height	15’11	4.86
Wing Area (units^2)	344’	32

228-200 Series	Ft	M
Length	54’4	16.56
Wingspan	55’8	16.97
Height	15’11	4.86
Wing Area (units^2)	344’	32

MINIMUM CREW: UK: One pilot

MAXIMUM OCCUPANTS/PASSENGERS:

The total number of occupants including crew shall not exceed 20 on the 228-100 aircraft and 21 on 228-200 /-201(K) / -202(K) aircraft, and shall not exceed the number for which seating accommodation approved for take-off and landing is provided.

OPERATING LIMITATIONS: Refer to relevant CAA approved Flight Manuals.

MANDATORY MAINTENANCE INSTRUCTIONS:

a) Airplane Maintenance Manual Dornier 228 Edition 8 - January 1984.
b) Airplane Wiring Diagram Manual Dornier 228 Edition 8 - January 1984
c) Airplane Structural Repair Manual Dornier 228 Edition 1 - June 1984
d) Airplane Illustrated Parts Manual Dornier 228 Edition 30 - October 1982
e) Service Bulletins and Service Information.
f) Maintenance records for equiptment parts of other manufacturers according to “List of Applicable Publications (LOAP)” in Airplane Maintenance Manual.

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