UNITED KINGDOM
CIVIL AVIATION AUTHORITY

FA15
Issue 3
July 1998
BEECH
SUPER KING AIR
MODEL 200 Series
MODEL B200 Series
MODEL 300 Series
MODEL B300 Series

TYPE CERTIFICATE DATA SHEET NO. FA15

This data sheet which is part of CAA Type Certificate No. FA15, prescribes conditions and limitations under which the product, for which the type certificate was issued, meets the airworthiness requirements of the Civil Aviation Authority.

TYPE CERTIFICATE HOLDER: **Raytheon Aircraft Company**
9709 E Central
Wichita
Kansas 67201
USA

MANUFACTURER: Raytheon Aircraft Company

AIRCRAFT TYPE/ MODEL NUMBER(S): Beech 200, 200C, B200, B200C, 300, B300 and 300LW

NOTE: Refer to paragraph below headed "Modifications" for further information regarding the required modification standard of the acceptable type design.

TYPE DESIGN DEFINITION:	Beech 200, B200	Beech Drg. 101-005004
	Beech B200C, 200C	Beech Drg. 101-005020
	Beech 300	Beech Drg. 101-005064, 101-012128 & Change Order F38958
	Beech B300	Beech Drg. 130-005002
	Beech 300 LW	Beech Drg. 101-005064-3

CERTIFICATION BASIS:

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

Model 200 Series

1. FAR Part 23, effective February 1, 1965, as amended by 23-1 through 23-9, Amendment 23-11, FAR paragraphs 23.175 and associated FAR's 23.143(a), 23.145(d), 23.153, 23.161 (c)(3), and 23.173(a) as amended by Amendment 23-14; FAR 23.951(c) and FAR 23.997(d) as amended by Amendment 23-15 (B200 series, only); FAR 23.1545(a) as amended by Amendment 23-23 and FAR 23.1325(e) as amended by Amendment 23-20 (B200 series only); FAA Special Conditions 23-47-CE-5 issued October 30, 1972, Amendment 1 dated December 18, 1973, and Amendment 2 dated January 12, 1979; FAR paragraph 25.929 and 25.1419 of FAR part 25 as amended to December 31, 1972 and FAR 25.831 (d) through Amendment 25-41 (for all Model 200 and B200 series aircraft approved for 35,000 feet); SFAR 27 through Amendment 27-4; FAR part 36 through Amendment 36-10; and FAR 23.1305(n) as amended by Amendment 23-26; For B200 through Serial Number BB-1438 and B200C through Serial Number BL-138 FAR Part 36 through Amendment 36-10. For B200 Serial Numbers BB-1439, BB-1444 and after, and B200C Serial Numbers BL-139 and after FAR Part 36 through Amendment 36-20.

   Compliance with ice protection has been demonstrated in accordance with FAR 25.1419 when ice protection equipment is installed in accordance with the airplane equipment list.

   Equivalent Safety Findings:
   FAR 23.621 (BB-2 through BB-1042 only); 23.997 (d) (all models except B200 series);
   FAR 23.1443 through Amendment 23-9 (BB-38, BB-39, BB-42, BB-44, BB-54 and after), plus any earlier serial modified by Beechcraft kits 101-5007 and 101-5008 in compliance with Beechcraft Service Instruction No. 0776-341; BL-1 and after.

2. UK Special Conditions for Certification in Transport Categories, beech 200 Super King Air, Issue 3 dated 19 June 1986.

Model 300/300LW

1. Special Federal Aviation Regulation (SFAR) 41C, effective September 13, 1982 see NOTE 8; part 23 of the Federal Aviation Regulations (FARs) effective February 1, 1965 through Amendment 23-9; Amendment 23-11; Amendments 23-14; Paragraphs 23.143(a), 23.145(d), 23.153, 23.161 (c)(3), 23-173(a), 23.175, 23.427, 23.441, and 23.445, Amendment 23-15, Paragraphs 23.951 (c) and 23.997 (d); Amendment 23-23, paragraph 23.1545 (a); Amendment 23-26, Paragraphs 23.967 and 23.1305(n); Special Conditions No. 23-47-CE-5, including Amendments Nos. 1, 2 and 3 dated November 15, 1982, and 4 dated October 17, 1986; Part 25 of the FAR, Para 25.929 effective February 1, 1965; Amendment 25-23, Para. 25.1419; Amendment 25-41, Para. 25.831(d); Part 36 of the FARs, through Amendment 36-10 and SFAR 27, through Amendment 27-4. Compliance with ice protection has been demonstrated in accordance with FAR 25.1419 when ice protection equipment is installed in accordance with the Equipment List.

2. UK Special Conditions for Certification in Private or Transport Categories, Beech Model 300, Issue 2 dated 17 June 1986.

Model B300

1. FAR Part 23 effective February 1, 1965, as amended by Amendments 23-1 through 23-34; FAR Part 36 effective December 1, 1969, as amended by Amendment 36-1 through 36-15; SFAR 27 effective February 1, 1974, as amended by Amendments 27-1 through 27-6 and Exemption No. 5077 from compliance with Section 23.207(c). Special Conditions 23-ACE-4BA effective August 13, 1990, apply to Electronic Flight Instrument System (EFIS) equipped airplanes. FAR 23 Sections 23.201, 23.203 and 23.205 through Amendment 23-45 (S/N FN-1 and up only).0

   Effective January 20, 1994, FAR 23.1457 as amended by Amendment 23.35.

Model B300 (continued)

   Exemption 5599 from compliance with 23.53(c)(1), for use of ground minimum control speed (V_{mcg}) for determination of takeoff decision speed (V_1), Serials FL-111, FM-9, FN-2 and after, or prior airplanes modified by Beech Kit No. 130-3004).

   Compliance with ice protection has been demonstrated in accordance with FAR 23.1419 when ice protection equipment is installed in accordance with the Equipment List.

2. UK Special Conditions for Certification in Private or Transport Categories, Beech Model B300, Issue 1 dated 31st July 1992.

CERTIFICATION CATEGORY: Transport Category (Passenger)
Private Category

PERFORMANCE CATEGORY:

Model 200 Series	Group C
Model 300	Group A
Model 300LW	Group C
Model B300	Group B

FLIGHT MANUAL:

Models 200, 200C, B200 and B200C

The limitations, recommended procedures and information required are contained in the FAA approved Airplane Flight Manual for Beech Model 200, 200C, Part No. 101-590010-127 and UK Supplement Part No. 101-590010-185.

Model B200, B200C, Part No. 101-590010-147
Model B200, B200C (BB-1439, BB-1444 and after), Part No. 101-599990010-307.

Model 300/300LW

The limitations, recommended procedures and information required are contained in the FAA approved Beechcraft Super King Air 300 Pilot's Operating Handbook Part No. 101-590097-3 and UK Supplement Part No. 101-590097-67 (300) or 101-590097-95 (300LW).

Model B300

The limitations, recommended procedures and information required are contained in the FAA approved Beechcraft Super King Air 300 Pilot's Operating Handbook Part No. 130-590031-1 or 130-590031-71 and UK Supplement Part No. 130-590031-45.

ENGINE:

200 and 200C	-	Two Pratt and Whitney of Canada PT6A-41 engines.
B200 and B200C	-	Two Pratt and Whitney of Canada PT6A-42 engines.
300, 300LW and B300	-	Two Pratt and Whitney of Canada PT6A-60A engines.

PROPELLER:

200 and 200C	2 Hartzell HC-B3TN-3G or HC-B3TN-3N hubs B200 and B200C Hartzell T10178B-3R or T10178NB blades for: BB-1 through BB-815; BB-817 through BB-824; BL-1 through BL-29; or Hartzell T10178K-3R or T10178NK-3R blades for : BB-816, BB-825 through BB-1438, BB-1440 through BB-1443; BL-30 through BL-72; BL-124 through BL-138.
(B200C Serials BL-73 through BL-123)	2 McCauley 4HFR34C754 hubs with McCauley 94LA-0 blades.
BB-1193 through BB-1438, BB-1440 through BB-1443, BB-1463, (B200C Serials) BL-124 through BL-138	2 McCauley 3GFR34C702 hubs with McCauley 100LA-2 blades

full feathering and reversing three-bladed propeller.

B200 Series

BB-1439, BB-1444 & after except BB-1463)(B200C Serials BL-139 & after)	2 McCauley 4HFR34C771 hubs with McCauley 94LA-0 blades
BB-1439, BB-1444 & after except BB-1463)(B200C Serials BL-139 & after)	2 Hartzell HC-E4N-3G hubs with Hartzell D9390SK-1R blades.

full feathering and reversing three-bladed propeller,

300 and 300LW	Two Hartzell HC-B4MP-3B. Hartzell M10476K or M10476NK blades.

full feathering and reversing four-bladed propeller.

Model B300	Two Hartzell HC-B4MP-3C hubs with Hartzell M10476K or M10476NK blades.

full feathering and reversing four-bladed propeller.

MAXIMUM WEIGHTS:

Model 200, 200C	Lb	Kg
Maximum Taxying weight	12,590	5711
Maximum take-off weight	12,500	5670
Maximum landing weight	12,500	5670
Maximum zero fuel weight	10,400	4717

Model B200 and B200C	Lb	Kg
Maximum Taxying weight	12,590	5711
Maximum take-off weight	12,500	5670
Maximum landing weight	12,500	5670
Maximum zero fuel weight	11,000	4989

Model 300	Lb	Kg
Maximum Taxying weight	14,100	6396
Maximum take-off weight	14,000	6350
Maximum landing weight	14,000	6350
Maximum zero fuel weight	11,500	5216

Model 300LW	Lb	Kg
Maximum Taxying weight	12,600	5715
Maximum take-off weight	12,500	5670
Maximum landing weight	12,500	5670
Maximum zero fuel weight	11,500	5216

Model B300	Lb	Kg
Maximum Taxying weight	15,100	6849
Maximum take-off weight	15,000	6804
Maximum landing weight	15,000	6804
Maximum zero fuel weight	12,500	5670

DIMENSIONS:

Model 200	Ft	M
Length	43’10”	13.36
Wingspan	54’6”	16.61
Height	14’10”	4.52
Wing area (Units^2)	303.0	28.14

Model 300/300LW	Ft	M
Length	43’10”	13.36
Wingspan	54’6”	16.61
Height	14’4”	4.37
Wing area (Units^2)	303.0	28.14

Dimensions (continued**)**

Model 300/300LW	Ft	M
Length	43'10"	13.36
Wingspan	54'6"	16.61
Height	14'4"	4.37
Wing area (Units^2)	303.0	28.14

Model B300	Ft	M
Length	46'8"	14.22
Wingspan	57'11"	17.65
Height	14'4"	4.37
Wing area (Units^2)	310.0	28.79

MINIMUM CREW:

Models 200 Series, 300, 300LW and B300

UK: Except where otherwise prescribed by the appropriate operating regulations, one pilot.

MAXIMUM OCCUPANTS/PASSENGERS:

Model 200 Series

Serial No. BB-179 and before, except Serial No. BB-55: Number of persons, including crew, is not to exceed 12. This number is limited by the cabin air supply available.

Serial No. BB-55 and BB-180 and after: Number of persons, including crew, is not to exceed 15. This number is limited by the maximum number of passengers for which simulated crash evacuation has been demonstrated.

Model 300 and 300LW

Number of persons including crew, is not to exceed 15. This number is limited by the maximum number of passengers for which simulated crash evacuation has been demonstrated.

Model B33

Number of persons including crew, is not to exceed 17. This number is limited by the maximum number of passengers for which simulated crash evacuation has been demonstrated.

OPERATING LIMITATIONS: See associated Airplane Flight Manuals.

MANDATORY MAINTENANCE INSTRUCTIONS: See related Maintenance Manual references.

NOISE:

Model	CAA Noise Type Certificate
200	92
200C	
B200	80
B200C	80
300	73
B300	161
300LW	

- END -