Civil Aviation Authority

FA45
Issue 1
March 1993
BEECH AIRCRAFT CORPORATION
BEECH JET Model 400
Model 400A

TYPE CERTIFICATE DATA SHEET NO. FA45

This data sheet is part of CAA Type Certificate No. FA45, and gives the basis upon which the Certificate was issued, together with other information to define the product.

Aircraft Manufacturer:	BEECH AIRCRAFT CORPORATION P O Box 85 Wichita Kansas 67201 USA
Type to which the Certificate relates:	Beech Model 400
Approved variants:	Beech Model 400A

CERTIFICATION BASIS

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

Model 400

Part 25 of the Federal Aviation Regulations effective February 1, 1965 as amended by 25-1 through 25-40 plus 25.1351(d), 25.1353(c)(5) and 25.1450 of Amendment 25-41; FAR 25.29; FAR 25.255 and FAR 25.1353(c)(6) of Amendment 25-42 and FAR 25.361(b) of Amendment 25-46. Part 36 of the Federal Aviation Regulations effective December 1, 1969 as amended by 36-1 through 36-12.

UK Additional Requirements for Certification in the Private or Transport Category.

Model 400A

Part 25 of the Federal Aviation Regulations effective February 1, 1965 as amended by 25-1 through 25-40 plus FAR 25.1335, 25.1351(d), 25.1353(c)(5) and 25.1447 of Amendment 25-41; FAR 25.29, FAR 25.255 and FAR 25.1353(c)(6) of Amendment 25-42 and FAR 25.361(b) and 25.1329(h) of Amendment 25-46. Part 36 of the Federal Aviation Regulations effective December 1, 1969 as amended by 36-1 through 36-17; SFAR 27 effective February 1, 1974 as amended by 27-1 through 27-7 and Special Conditions No. 25-ANM-32 dated February 22,1990 (High Altitude Operation at 45,000ft), and Special Conditions No. 25-ANM-33 dated June 18, 1990 (Lightning and Radio Frequency Energy Protection).

BCAR Section D Issue 13 and associated Papers and UK Additional Requirements for Certification in the Private or Transport Category.

FLIGHT MANUAL

The limitations, recommended procedures and information required are contained in the FAA approved Airplane Flight Manual for United Kingdom Registered Aircraft, the applicable reference being:-

Model 400 - P/N 128-590001-55

Model 400A - P/N 128-590001-113

AIRWORTHINESS CATEGORY

UK Transport Category (Passenger)

PERFORMANCE GROUP

UK Group A

MINIMUM CREW

The minimum flight crew is two pilots.

MAXIMUM NUMBER OF OCCUPANTS

The number of persons including crew, is not to exceed 11.
This number is limited by an approved seating layout.

POWER UNITS

Two Pratt and Whitney Canada Inc., JT15D-5 turbofan engines.

FUEL CAPACITY

The capacity of the fuel tanks, in Imp gallons, is:

	Model 400			**Model 400A**		
Tank	Usable	Unusable	Total	Usable	Unusable	Total
L H Wing	214.8	6.7	220.4	177.9	3.0	180.9
R H Wing	214.8	6.7	220.4	177.9	3.0	180.9
Fuselage	176.5	4.4	180.9	254.6	1.0	255.6
Total	606.1	17.8	620.7	610.4	7.0	617.4

OIL CAPACITY

The capacity of each engine oil system is 1.69 Imp. gallons.

MAXIMUM WEIGHTS

	Model 400	**Model 400A**
Taxying	15850 lb (7189 kg)	16300 lb (7384 kg)
Take-off	15780 lb (7158 kg)	16100 lb (7293 kg)
Landing	14220 lb (6450 kg)	15700 lb (7112 kg)
Zero Fuel	12470 lb (5656 kg)	13000 lb (5889 kg)

NUMBER OF WHEELS AND MAXIMUM TYRE PRESSURES

Number of wheels in the nose-wheel unit	1
Number of main-wheel units	2
Number of wheels in each main-wheel unit	1

Maximum tyre pressures:

Nose wheel	120 lbf/in²
Main wheels	120 lbf/in²

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