

Beechcraft®

Debonair®

35-A33 *and* 35-B33

Pilot's Operating Handbook *and* FAA Approved Airplane Flight Manual

FAA Approved in Utility Category based on CAR 3. This document must be carried in the airplane at all times, and be kept within reach of the pilot during all flight operations.

This handbook includes the material required to be furnished to the pilot by CAR 3.

Airplane Serial Number: _____

Airplane Registration Number: _____

FAA Approved: _____

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Beech Aircraft Corporation
DOA CE-2

This handbook supersedes all BEECH published owner's manuals and check lists issued for this airplane with the exception of FAA Approved Airplane Flight Manual Supplements.

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CRUISE POWER SETTINGS

75% MAXIMUM CONTINUOUS POWER (OR FULL THROTTLE)
@ AVERAGE CRUISE WEIGHTS = 2800 LBS.

PRESS ALT.	ISA -36°F (-20°C)								STANDARD DAY (ISA)								ISA +36°F (+20°C)							
	OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW		TAS		OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW		TAS		OAT		ENGINE SPEED	MAN. PRESS	FUEL FLOW		TAS	
	°F	°C	RPM	IN HG	PSI	GPH	KTS	MPH	°F	°C	RPM	IN HG	PSI	GPH	KTS	MPH	°F	°C	RPM	IN HG	PSI	GPH	KTS	MPH
SL	26	-3	2450	23.4	7.4	13.4	145	167	63	17	2450	24.0	7.4	13.4	148	171	99	37	2450	24.5	7.4	13.4	152	174
2000	19	-7	2450	22.9	7.4	13.4	148	170	56	13	2450	23.4	7.4	13.4	151	174	92	33	2450	24.0	7.4	13.4	154	178
4000	12	-11	2450	22.4	7.4	13.4	151	173	49	9	2450	22.8	7.4	13.4	154	177	85	29	2450	23.5	7.4	13.4	157	181
6000	5	-15	2450	21.8	7.4	13.4	153	176	42	5	2450	22.2	7.4	13.4	157	180	78	25	2450	23.1	7.2	13.2	159	183
8000	-1	-19	2450	21.3	7.4	13.4	156	180	35	1	2450	21.6	6.9	12.9	157	181	71	21	2450	21.7	6.3	12.1	166	180
10000	-9	-23	2450	20.1	6.7	12.7	156	179	27	-3	2450	20.1	6.2	12.0	155	179	63	17	2450	20.1	5.6	11.2	154	177
12000	-16	-27	2450	18.6	6.0	11.8	153	177	20	-7	2450	18.6	5.5	11.1	152	175	56	13	2450	18.6	5.1	10.5	151	173
14000	-23	-31	2450	17.3	5.4	10.9	150	173	13	-11	2450	17.3	5.0	10.3	149	171	49	9	2450	17.3	4.7	9.7	146	168
16000	-31	-35	2450	16.0	4.9	10.1	146	168	5	-15	2450	16.0	4.6	9.6	144	166	41	5	2450	16.0	4.4	9.1	140	161

NOTES:

1. FULL THROTTLE MANIFOLD PRESSURE SETTINGS ARE APPROXIMATE.
2. SHADED AREA REPRESENTS OPERATION WITH FULL THROTTLE.

FUEL CELLS (A33)

Either the 44-gallon usable (50-gallon capacity) standard system or the 63-gallon usable (70-gallon capacity) optional system is available. The standard system consists of a rubber fuel cell in each wing leading edge with a flush type filler cap. If installed an additional 19 gallons of usable fuel is available in two auxiliary 10-gallon fuel cells in the wings, outboard of the wheel wells. Both auxiliary cells are connected to a common port in the fuel selector valve, so that both feed simultaneously when the fuel selector is set to AUX.

The two optional 10-gallon auxiliary tanks may be filled after removing the pressure-type filler caps, located aft and outboard of the main tank filler caps. Do not overfill the tanks.

The fuel injection system returns about 10 gallons per hour of excess fuel. Fuel return lines are routed through the selector valve to each main cell. Except for the auxiliary cells, fuel is returned to the cell from which it is drawn. The auxiliary cells return fuel to the left main cell only. To provide space for the returned fuel from the auxiliary cells, the left main cell should be used to approximately half full before switching to auxiliary.

If the engine is allowed to stop firing, due to insufficient fuel, refer to the EMERGENCY PROCEDURES section for the Air Start procedures.

A33 FUEL SYSTEM SCHEMATIC

