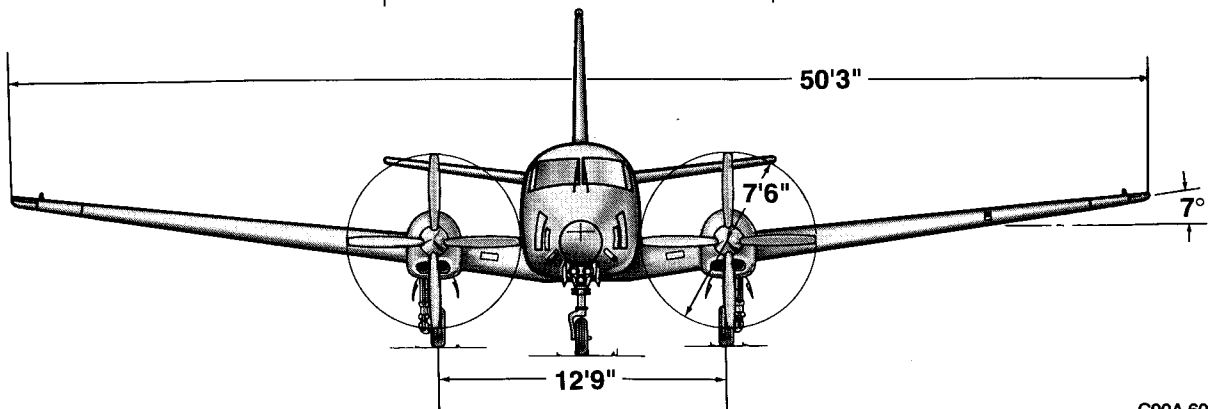
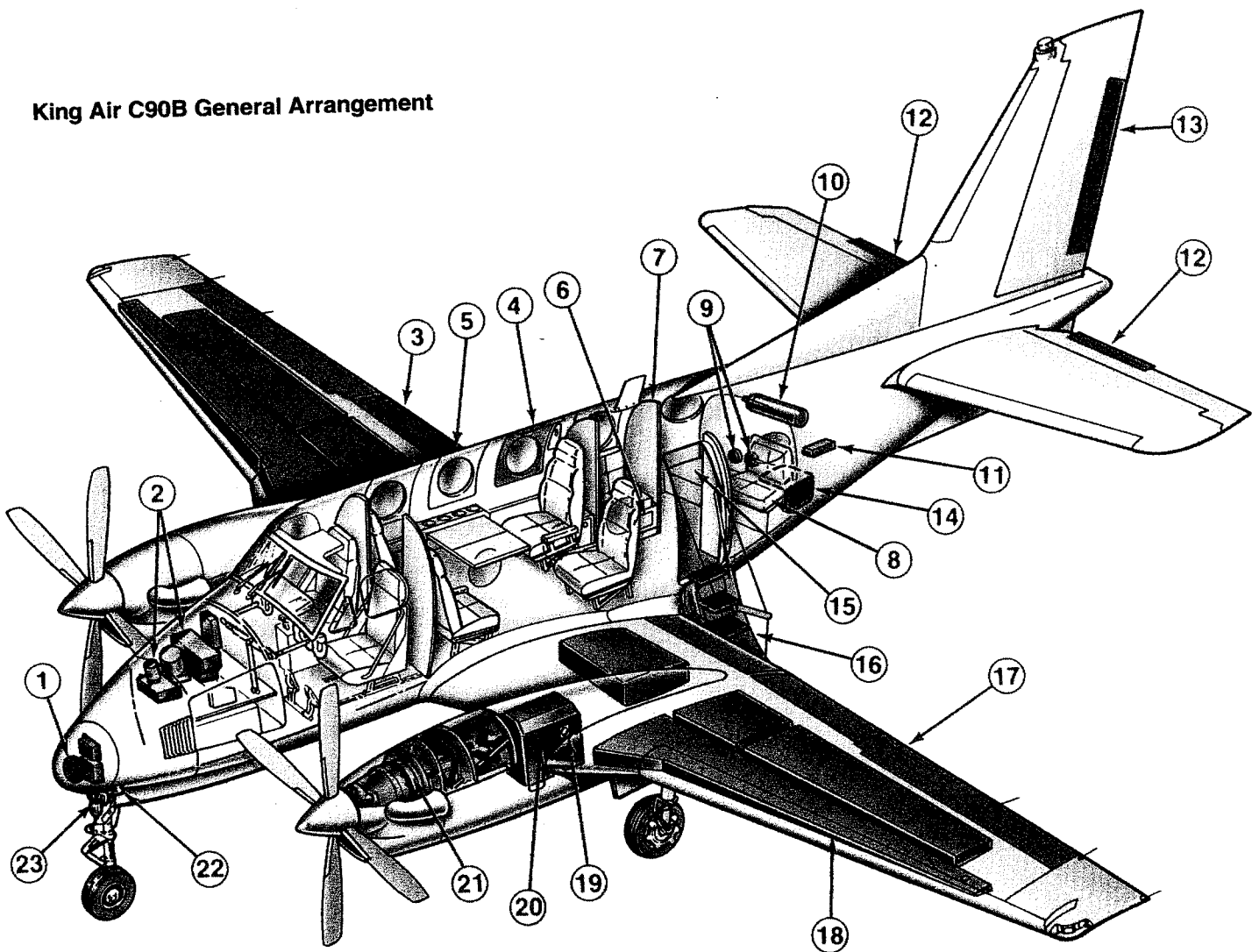


King Air C90B Three View



C90A-607-18

King Air C90B General Arrangement



1. Weather Radar Antenna
2. Communications, Navigation and Radar Equipment
3. Outboard Flap Section
4. Ground Escape Hatch
5. Inboard Flap Section
6. Liquid Storage Cabinet
7. Lavatory Privacy Curtain
8. Belted Lavatory
9. Pressurization Safety and Dump Valves
10. Oxygen Bottle
11. Emergency Locator Transmitter
12. Elevator Trim Tabs

13. Rudder Trim Tab
14. Rear Fuselage Access Door
15. Baggage Area
16. Airstair Door
17. Aileron Trim Tab
18. Leading Edge Fuel Tanks
19. Wing Ice Check Light
20. Nacelle Fuel Tank
21. PT6A-21 Turboprop Engine
22. Heated Pitot Mast
23. Landing and Taxi Lights

Table 1

Specifications – King Air C90B

Model Designation – Passenger	C90B
Crew – FAA Certificated	1
Occupants – Max. FAA Cert. (incl. crew)	13
Passengers – Normal Corp. Config.	6
Engines – P & W Turboprop	2 PT6A-21
Propellers – 4 Blade (Opt.), Constant-speed, Full-feathering, Counter-weighted, Hydraulically-actuated	2 McCauley (full reversing)
Landing Gear – Retractable, Tricycle	Hydraulic
Wing Area	293.94 sq. ft.

Maximum Certificated Weights

Maximum Ramp Weight	10,160 pounds
Maximum Take-off Weight	10,100 pounds
Maximum Landing Weight	9,600 pounds
Maximum Zero Fuel Weight	No Structural Limitation
Maximum Weight in Baggage Compartment:	
Rear Baggage Compartment	350 pounds
Nose Baggage Compartment (Baggage and Avionics)	350 pounds

Cabin and Entry Dimensions

Cabin Width (Maximum)	54 inches
Cabin Length (Partition to Partition)	155 inches
Cabin Length (Maximum between pressure bulkheads)	214 inches
Cabin Height (Maximum)	57 inches
Airstair Entrance Door Width (Minimum)	27 inches
Airstair Entrance Door Height (Minimum)	51.6 inches
Sill Height (Maximum)	48 inches
Pressurized Compartment Volume	313.6 cubic feet

Rear Baggage Compartment Volume 53.5 cubic feet

**Nose Avionics/Baggage Compartment
Volume** 16 cubic feet

Specific Loadings

Wing Loading: 32.8 pounds per square foot
Power Loading: 8.8 pounds per shaft horsepower

King Air C90B Configuration

The King Air C90B is powered by Pratt & Whitney 550 shp (flat rated) PT6A-21 turbo-prop engines.

In addition to the standard airplane configurations, Beechcraft offers many optional items which are available at additional cost and weight. The basic configurations, dimensions, weights, and specifications are summarized in Table 1 on page 2-4. Refer to the respective airplane POH for detailed, up-to-date information.

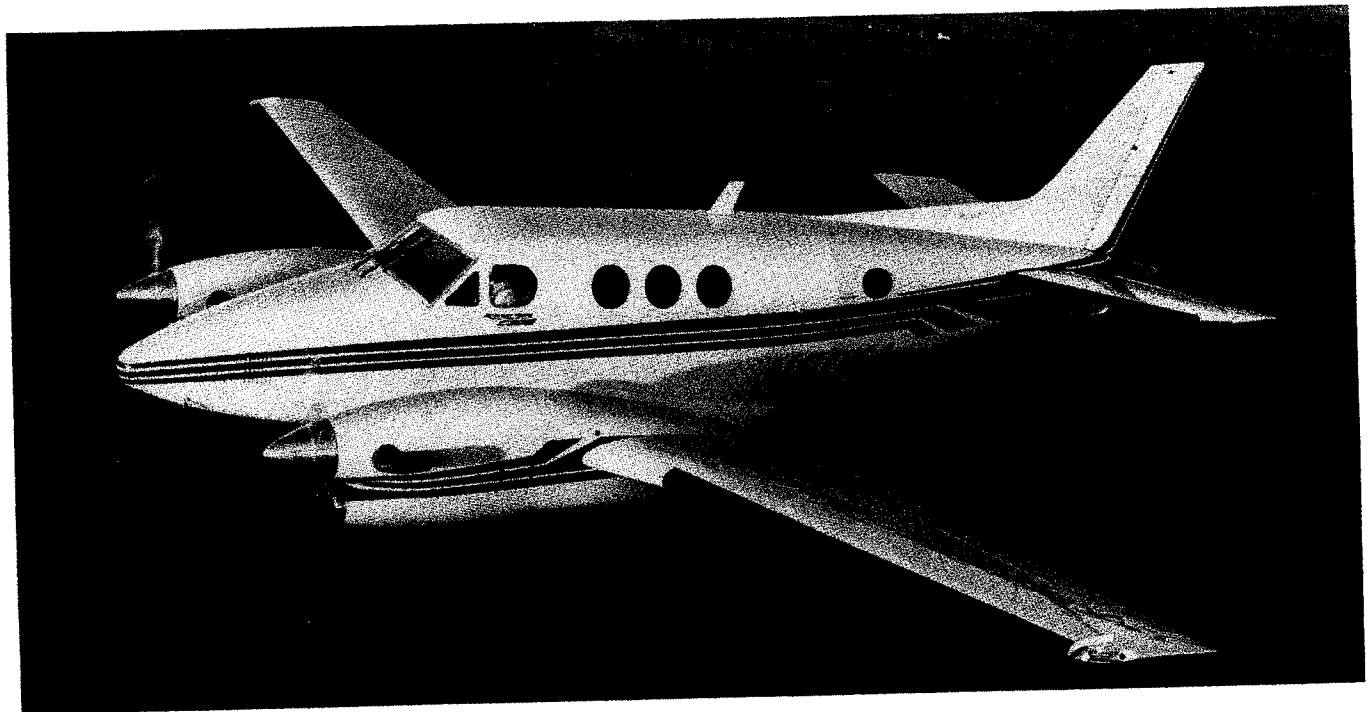
Operating Speeds

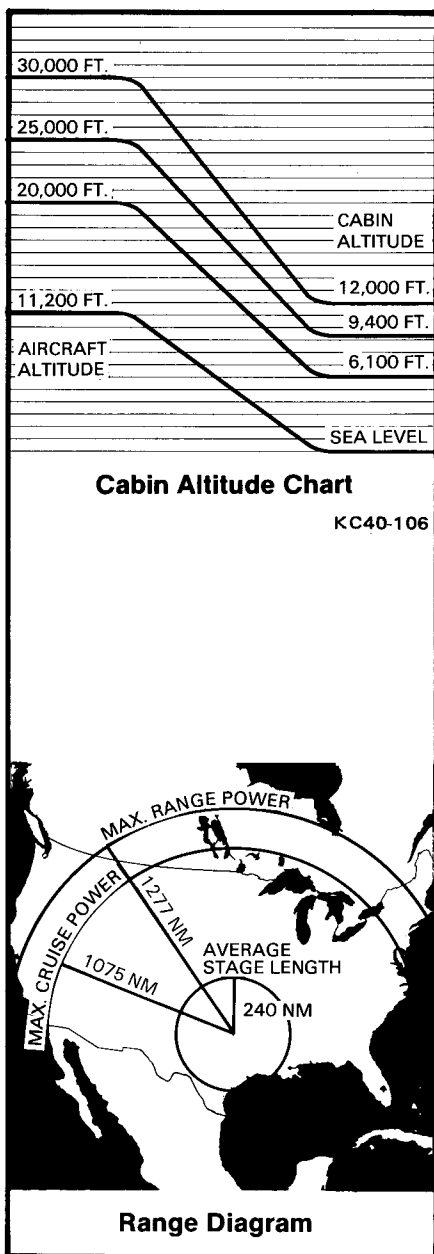
The Beechcraft King Air C90B qualifies as one of the most maneuverable corporate airplanes in the world. Insistence on handling ease in all flight regimes and tough construction techniques contribute to the following KIAS figures (calculated at Maximum Takeoff Weight - 10,100 pounds):

Maximum Operating Speed (VMO)	226 KIAS
Maneuvering Speed (VA)	169 KIAS
Maximum Landing Gear Operating Speed (VLO)	
Extension/Extended	182 KIAS
Retraction	163 KIAS
Maximum Flap Extension/Extended (VFE)	
Approach	184 KIAS
Down	148 KIAS
Stall (100% Flaps: Power Off)	*78 KIAS
Air Minimum Control (VMCA)	*80 KIAS

*with 4 Blade Propeller Inst.

King Air C90B
Front 3/4 View





Rates-of-Climb

The King Air C90B delivers an extra margin of confidence through the powerful PT6A jetprop engines. The following figures are calculated at 10,100 lbs and 9,650 lbs. Use charts and graphs in the Performance section of the C90B Pilot's Operating Handbook to determine rate-of-climb for other weight and meteorological conditions.

Two Engines (Sea Level, Std. Day, 10,100 lbs.)	2003 fpm
One Engine (Sea Level, Std. Day, 10,100 lbs.)	494 fpm
One Engine (Sea Level, Std. Day, 9,650 lbs.)	560 fpm

Service Ceiling

At maximum take-off weight over-the-weather capabilities and greater mission dependability are possible with the King Air C90B. The following figures are calculated at 10,100 lbs. Use charts and graphs in the Performance section of the C90B Pilot's Operating Handbook to determine the service ceiling for varying aircraft weights and meteorological conditions.

Two Engines (100 ft./min.)	28,900 ft.
One Engine (50 ft./min.)	13,100 ft.
Cabin Pressurization Differential	5.0 psi

Range

The average stage length of most corporate flights is approximately 240 nautical miles. The King Air C90B can handle four such stage lengths at maximum cruise power and with 2 pilots and 2 passengers on board without refueling. You may never need the 1277 mile maximum range of the King Air C90B, but it will help save time between stages by cutting turn-around time to only minutes.

Typical Range Examples

Conditions:

Climb to 21,000 ft. from and descend to sea level
Zero Wind, Standard Day

- 2 pilots, 4 passengers, 200 lbs of baggage
Maximum Range distance: 1168 NM
Maximum Power distance: 957 NM
- 2 pilots, 3 passengers, 150 lbs of baggage
Maximum Range distance: 1277 NM
Maximum Power distance: 1075 NM