

Certified to a Higher Standard.



With an airframe design decades newer than the competition, Commander aircraft are certified to FAR 23 through Amendment 7, meeting more stringent standards for single engine high performance aircraft. Others, such as Mooneys, Beechcraft Bonanzas and Piper Saratogas are certified to CAR 3, a standard far less stringent.

Higher standards don't mean higher ownership costs. For approximately \$2,000 a month* your company can own and operate its own Commander aircraft. The unique turn-key Commander Aircraft Ownership Program includes: financing, insurance, service and support, hangar/storage, flight training and private pilot service. Commander's service and support network of more than 140 Authorized Sales and Service Representatives is one of the largest in general aviation

| Certification Requirements: | FAR 23 (thru Amendment 7) | CAR 3 |
|--|------------------------------|-----------------------|
| Increased Gust Loading | 50Ft/Sec | 30Ft/Sec |
| Fatigue Evaluation - Wing and Associated Structures | Fail-Safe Safe Life | Static Load Margin |
| Fail-Safe Elevator Control System | YES | NO |
| Gear and Gear Door Substantiation Under All Conditions | YES | NO |
| Flap Actuated Aural Warning | YES | NO |
| More Stringent Usable Fuel Testing | YES | NO |
| Non-Siphoning Fuel Caps | YES | NO |
| Improved Accessibility of Fuel Selector Switch | YES | NO |
| More Stringent Lightning Strike Analysis | YES | NO |

and serves Commander owners at airports around the world.

"If the Commander 114B looks strong and fast, it should. It carries on several features of its fabled predecessor, the North American P-51 Mustang, including laminar flow wing. . . The Commander 114B is the Mercedes of the single engine fleet."

-In Flight USA, June 1995

Commander aircraft deliver the ultimate combination of performance, comfort, safety and efficiency.

Commander 114B, 114TC (turbocharged), 114AT (all-purpose trainer). Superior design and quality, comprehensive aircraft ownership programs and worldwide service and support. Commander is setting new standards. Call (405) 495-8080 to arrange a briefing.

Commander
AIRCRAFT COMPANY

*Based on approximately 25,000 miles of annual travel and estimated cost of financing, maintenance, operation, insurance and taxes.

Commander Aircraft Company, 7200 Northwest 63rd Street, Bethany, Oklahoma 73008 Telephone: (405) 495-8080 Facsimile: (405) 495-8383

Commander. The Highest Standard.TM

Commander 114B

Specifications and Performance



Wiley Post Airport
7200 Northwest 63rd Street
Bethany, Oklahoma 73008

Tel: (405) 495-8080
Fax: (405) 495-8383

Dimensions

| | |
|----------------------------|--------------------------|
| Length | 24' 11" (7.59 m) |
| Wing Span | 32' 9" (9.98 m) |
| Tail Height | 8' 5" (2.56 m) |
| Tail Width | 13' 6" (4.10 m) |
| Wheel Base | 10' 11" (3.34 m) |
| Cabin Length | 75" (1.90 m) |
| Cabin Width | 47" (1.19 m) |
| Cabin Height | 49" (1.24 m) |
| Baggage Compartment Volume | 22 cu. ft. (0.62 cu. m) |
| Cabin Compartment Volume | 100 cu. ft. (2.83 cu. m) |

Engine

| | |
|---------------------|------------------------|
| Manufacturer | Textron Lycoming |
| Model | IO-540-T4B5 |
| Number of Cylinders | 6 |
| Displacement | 541.5 cu. in. (8.87 l) |
| Maximum Power | 260 HP @ 2,700 RPM |
| Recommended TBO | 2,000 hours |

Propeller

| | |
|------------------|---------------------------|
| Manufacturer | McCauley |
| Model | B3D 32C 419/82 NHA-5 |
| Type | Constant-Speed, Hydraulic |
| Number of Blades | 3 |
| Diameter | 77" (1.96 m) |

Weights

| | |
|-----------------------------|--------------------------|
| Maximum Ramp | 3,260 lbs. (1,478.71 kg) |
| Maximum Take-off | 3,250 lbs. (1,474.17 kg) |
| Standard Empty | 2,102 lbs. (953.45 kg) |
| Maximum Baggage Compartment | 200 lbs. (90.72 kg) |
| Standard Useful Load | 1,158 lbs. (525.26 kg) |

Fuel & Oil Capacity

| | |
|------|--|
| Fuel | 70 U.S. gal./68 usable (264.95 liters/257.38 usable) |
| Oil | 8 quarts (7.57 l) |

Wing Area & Loadings

| | |
|---------------|-------------------------------------|
| Wing Area | 152 sq. ft. (14.12 sq. m) |
| Wing Loading | 21.4 lbs./sq. ft. (104.48 kg/sq. m) |
| Power Loading | 12.5 lbs./hp. (5.67 kg/hp) |

Speeds

| | |
|--------------------------------|--------------------|
| Maximum | 164 kts. (304 kph) |
| Performance Cruise (75% Power) | 160 kts. (297 kph) |
| Economy Cruise (65% Power) | 155 kts. (287 kph) |
| Long Range Cruise (55% Power) | 149 kts. (276 kph) |
| Stall (Cruise Configuration) | 60 kts. (111 kph) |
| Stall (Landing Configuration) | 54 kts. (100 kph) |

Take-off Distance

| | |
|-------------------------------|----------------------|
| Ground Roll | 1,145 ft. (348.99 m) |
| Distance over 50 ft. Obstacle | 1,985 ft. (605.02 m) |

Climb

| | |
|----------------------------|--------------------------------|
| Initial S.L. Rate of Climb | 1,070 ft./min. (326.14 m/min.) |
| Service Ceiling | 16,800 ft. (5,120.64 m) |

Cruise Range

| | |
|----------------------------|--------------------------------|
| Range @ Performance Cruise | 630 NM @ 14.3 gph. (54.13 lph) |
| Range @ Economy Cruise | 705 NM @ 12.6 gph. (47.69 lph) |
| Range @ Long Range Cruise | 725 NM @ 11.2 gph. (42.39 lph) |

Landing

| | |
|-------------------------------|----------------------|
| Ground Roll | 720 ft. (219.46 m) |
| Distance over 50 ft. Obstacle | 1,200 ft. (365.77 m) |

Note:

Performance is based on a newly manufactured aircraft, which is well maintained and flown under standard ISA day, sea level conditions, at 3,250 lbs. (1,474.17 kg), cruise speeds at mid-weight, based on the latest data available at the time of publication of this document. The performance of any particular aircraft will depend in part on actual conditions, aircraft status, and pilot technique.

Cruise range figures include allowances for start, taxi, climb, cruise descent, and 45-minute reserve at maximum endurance.

Commander Aircraft Company reserves the right to change specifications, performance estimates, materials, equipment, and/or prices at any time; and without prior notice may discontinue models.