



### General Info

Category	Single Engine Piston
Seating	1 + 3 / 3
Top Speed	175 kts
Max Range	1000 NM

### Weights & Dimensions

#### Weights:

Basic Operating Weight	2,245 lbs
Max Payload	860 lbs
Passenger Payload	540 lbs
Useful Load	1,060 lbs
Avail. Payload/Max Fuel	320 lbs
Avail. Fuel/Seats Full	53.33 gal / 320 lbs
Max Fuel	90.00 gal / 540 lbs
Usable Fuel	88.00 gal / 528 lbs
Wing Loading	21.70 lbs / ft <sup>2</sup>
Power Loading	12.20 lbs / hp
Max Ramp Weight	3,305 lbs
Max Takeoff Weight	3,305 lbs
Max Landing Weight	3,104 lbs
Max Zero Fuel Weight	3,000 lbs

#### Internal Dimensions

Cabin Length	6 ft 3 in
Cabin Height	4 ft 1 in
Cabin Width	3 ft 11 in
Cabin Volume	104.22 ft <sup>3</sup>

#### External Dimensions

Length	24 ft 11 in
Height	8 ft 1 in
Wingspan	32 ft 9 in
Wing Area	152.00 ft <sup>2</sup>

#### Baggage Capacity

Interior Volume	22 ft <sup>3</sup>
Interior Weight	200 lbs

### Engine / Propeller

#### Engine Info

Model	Textron Lycoming TIO-540-AG1A
Engine	Piston
Fuel Type	100LL
Thrust / Horse Power	270 hp
Turbocharged	Yes



<b>Commander 115TC Specifications</b>
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Number of Cylinders	6
Inspection Interval	2,000 TBO

**Propeller Info**

Manufacturer	
Model	McCauley
Pitch	B3D32C419/82NHA-5
Diameter	Constant Speed
Number of Blades	3 77.00 in

**Performance Specs  
Speeds**

Top Speed	
Cruise Speed	175 kts
Max Range	164 kts 1000 NM

**V Speeds:**

Speed V <sub>so</sub>	
Speed V <sub>s</sub>	59 kts
Speed V <sub>x</sub>	66 kts
Speed V <sub>y</sub>	90 kts
Speed V <sub>a</sub>	100 kts
Speed V <sub>no</sub>	117 kts
Speed V <sub>ne</sub>	162 kts 187 kts

**Takeoff Distances**

Sea Level, ISA	
5000 ft elev 25'C	2,220 ft 4,417 ft

**Landing Distances**

Sea Level, ISA	
5000 ft elev 25'C	1,312 ft 1,720 ft

**Climb Performance / Ceilings**

Climb	
Min. To Altitude	1,050 fpm
Certified Ceiling	25,000 ft
Cruise Performance at 8,000 ft	10 min / 10,000 ft

**Recommended**

Speed / Power	
Range	785 NM