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Piper Aircraft



Piper Pa30/39 Twin Comanche history, performance and specifications

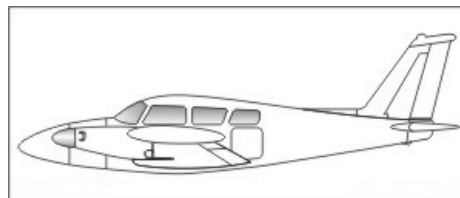
- ↳ history and gallery
- PA-30 B Turbo
- PA-30, B
- PA-30 C Turbo
- PA-30 C
- PA-39 C/R Turbo
- PA-39 C/R

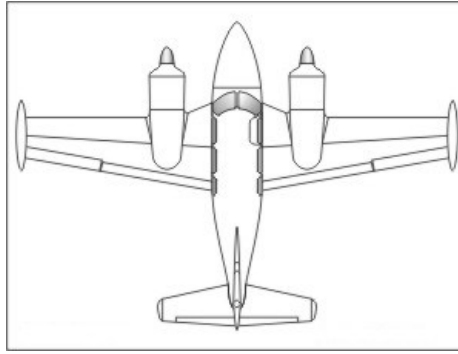


The Piper Twin Comanche is one of the few successful aircraft types where a twin engine variant was derived from a single. The single Comanche came in a wide range of versions, right up to the Comanche 400 with a cruise speed of 190kt! Work did not proceed until 1962, as Piper were concentrating on other aircraft in their range. The first flight of a Comanche converted to twin configuration took place on 7 November 1962, and production deliveries began late in 1963.



The Comanches were always known as a luxurious, efficient and fast aircraft and these characteristics carried on to the Twin Comanche. As a result, the International Comanche Society has been a strong organisation for many years, and provides a valuable source of information about Comanches, and their owners and pilots! No other similar light twin has such an organisation of devoted followers!





The Twin Comanche has two fuel injected Lycoming IO-320 engines, developing 160HP each. The Twin Comanche has such an efficient airframe design that it comfortably achieves a cruise speed of 160kt.

This airframe design includes gap seals on flaps and ailerons, flush riveted wings (similar to the Mooney - also well known for speed) and an extremely efficient engine cowl design.

Fuel load in the PA30 is excellent, with main, auxiliary and tip tanks giving an endurance of almost 7 hours. Fuel management is simple, with no requirement to transfer fuel from one tank to another.

Cabin room is exceptional, with the PA30 originally having 6 seats.

Single engine performance in the Twin Comanche is no better and no worse than other similar size twins. Any twin pilot will know that the engine failure after takeoff in any of these aircraft is a very dangerous situation, and must be carefully planned for.





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Piper PA-30, B Twin Comanche performance and specifications

- history and gallery
- PA-30 B Turbo
- PA-30, B
- PA-30 C Turbo
- PA-30 C
- PA-39 C/R Turbo
- PA-39 C/R

Horsepower: 160  
 Top Speed: 178 kts  
 Cruise Speed: 169 kts  
 Stall Speed (dirty): 60 kts

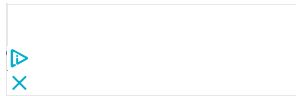
Gross Weight: 3600 lbs  
 Empty Weight: 2210 lbs  
 Fuel Capacity: 90.00 gal  
 Range: 770 nm

Takeoff  
 Ground Roll: 950 ft  
 Over 50 ft obstacle: 1570 ft

Landing  
 Ground Roll 700 ft  
 Over 50 ft obstacle: 1875 ft

Rate Of Climb: 1460 fpm  
 Ceiling: 18600 ft

Rate of Climb (One Engine): 260 fpm  
 Ceiling (One Engine): 5800 ft





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### Piper PA-30 B Turbo Twin Comanche performance and specifications

- history and gallery
- [PA-30 B Turbo](#)
- PA-30, B
- PA-30 C Turbo
- PA-30 C
- PA-39 C/R Turbo
- PA-39 C/R

**Horsepower:** 160.  
**Top Speed:** 209 kts  
**Cruise Speed:** 194 kts  
**Stall Speed (dirty):** 60 kts

**Gross Weight:** 3725 lbs  
**Empty Weight:** 2408 lbs  
**Fuel Capacity:** 120.00 gal  
**Range:** 1100 nm



**Takeoff**  
**Ground Roll:** 950 ft  
**Over 50 ft obstacle:** 1570 ft

**Landing**  
**Ground Roll:** 700 ft  
**Over 50 ft obstacle:** 1875 ft

**Rate Of Climb:** 1460 fpm  
**Ceiling:** 30000 ft

**Rate of Climb (One Engine):** 260 fpm  
**Ceiling (One Engine):** 19000 ft

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**Piper PA-30 C Twin Comanche performance and specifications**

- history and gallery
- PA-30 B Turbo
- PA-30, B
- PA-30 C Turbo
- PA-30 C
- PA-39 C/R Turbo
- PA-39 C/R

**Horsepower:** 160  
**Top Speed:** 178 kts  
**Cruise Speed:** 172 kts  
**Stall Speed (dirty):** 60 kts

**Gross Weight:** 3600 lbs  
**Empty Weight:** 2270 lbs  
**Fuel Capacity:** 90.00 gal  
**Range:** 785 nm

**Takeoff**  
**Ground Roll:** 940 ft  
**Over 50 ft obstacle:** 1530 ft

**Landing**  
**Ground Roll:** 1215 ft  
**Over 50 ft obstacle:** 1870 ft

**Rate Of Climb:** 1460 fpm  
**Ceiling:** 20000 ft

**Rate of Climb (One Engine):** 260 fpm  
**Ceiling (One Engine):** 7100 ft





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**CERTIFIED AIRCRAFT DATABASE**

**Piper PA-30 C Turbo Twin Comanche performance and specifications**

- history and gallery
- PA-30 B Turbo
- PA-30, B
- [PA-30 C Turbo](#)
- PA-30 C
- PA-39 C/R Turbo
- PA-39 C/R

**Horsepower:** 160  
**Top Speed:** 214 kts  
**Cruise Speed:** 209 kts  
**Stall Speed (dirty):** 60 kts

**Gross Weight:** 3725 lbs  
**Empty Weight:** 2416 lbs  
**Fuel Capacity:** 120.00 gal  
**Range:** 1100 nm

**Takeoff**  
**Ground Roll:** 990 ft  
**Over 50 ft obstacle:** 1590 ft

**Landing**  
**Ground Roll:** 1250 ft  
**Over 50 ft obstacle:** 1900 ft

**Rate Of Climb:** 1290 fpm  
**Ceiling:** 30000 ft

**Rate of Climb (One Engine):** 225 fpm  
**Ceiling (One Engine):** 17000 ft

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Piper PA-39 C/R Twin Comanche performance and specifications

Horsepower: 160	Gross Weight: 3600 lbs
Top Speed: 178 kts	Empty Weight: 2270 lbs
Cruise Speed: 172 kts	Fuel Capacity: 90.00 gal
Stall Speed (dirty): 61 kts	Range: 785 nm
<u>Takeoff</u>	<u>Landing</u>
Ground Roll: 940 ft	Ground Roll 700 ft
Over 50 ft obstacle: 1530 ft	Over 50 ft obstacle: 1870 ft
Rate Of Climb: 1460 fpm	Rate of Climb (One Engine): 260 fpm
Ceiling: 20000 ft	Ceiling (One Engine): 7100 ft

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**Piper PA-39 C/R Turbo Twin Comanche performance and specifications**

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- PA-30 C Turbo
- PA-30 C
- [PA-39 C/R Turbo](#)
- PA-39 C/R

**Horsepower:** 160  
**Top Speed:** 214 kts  
**Cruise Speed:** 192 kts  
**Stall Speed (dirty):** 61 kts

**Gross Weight:** 3725 lbs  
**Empty Weight:** 2416 lbs  
**Fuel Capacity:** 120.00 gal  
**Range:** 1188 nm

**Takeoff**  
**Ground Roll:** 990 ft  
**Over 50 ft obstacle:** 1590 ft

**Landing**  
**Ground Roll:** 725 ft  
**Over 50 ft obstacle:** 1900 ft

**Rate Of Climb:** 1290 fpm  
**Ceiling:** 25000 ft

**Rate of Climb (One Engine):** 225 fpm  
**Ceiling (One Engine):** 12600 ft

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