

1978 Piper Seneca

Engine make/model:	Continental L/TSIO-360-KB*
Horsepower@rpm@altitude:	220@2800@SL to 19,000 ft.
Horsepower for takeoff:	220
TBO hrs.:	1800*
Fuel type:	100/100LL
Propeller type/diameter:	CS two-blade
Landing gear type:	Tri/Retr.
Max ramp weight (lbs.):	4750*
Gross weight (lbs.):	4750*
Max landing weight (lbs.):	4513
Empty weight, as tested (lbs.):	3116
Useful load, as tested (lbs.):	3116
Payload, full std. fuel (lbs.):	898
Usable fuel, std. (gals.):	123
Oil capacity (qts.):	8
Wingspan:	38 ft. 11 in.
Overall length:	28 ft. 7 in.

Height:	9 ft. 11 in.
Wing area (sq. ft.):	208
Wing loading (lbs./sq. ft.):	22.8
Power loading (lbs./hp.):	10.8
Wheel base (ft.):	7
Wheel track:	11 ft. 9 in.
Wheel size (in.):	6.00 x 6
Seating capacity:	6
Cabin doors:	2
Cabin width (in.):	49
Cabin height (in.):	42
Baggage capacity (lbs.):	200

PERFORMANCE

Cruise speed (kts.):	
75% power @ 17,000 ft.:	194
65% power @ 18,000 ft.:	191
55% power @ 21,000 ft.:	180

Max range (w/ reserve) (nm):

75% power: 780

65% power: 840

55% power: 880

Fuel consumption (gph):

75% power: 29

65% power: 26

55% power: 23

Estimated endurance (65%) (hrs): 4.0

Vs (kts.): 67

Vs₀ (kts.): 61

Best rate of climb (SL fpm): 1340

Best rate of climb, 8,000 ft. (fpm): 1100

Single-engine rate of climb, SL (fpm): 240

Service ceiling (ft.): 29,500

Single-engine service ceiling (ft.):	13,400
Takeoff ground roll (ft.):	900
Takeoff over 50-ft. obstacle (ft.):	1240
Landing ground roll (ft.):	1380
Landing over 50-ft. obstacle (ft.):	2090

Source: *Aircraft Bluebook Price Digest*, *Jane's All The World's Aircraft*, manufacturer's specs; www.planeandpilotmag.com