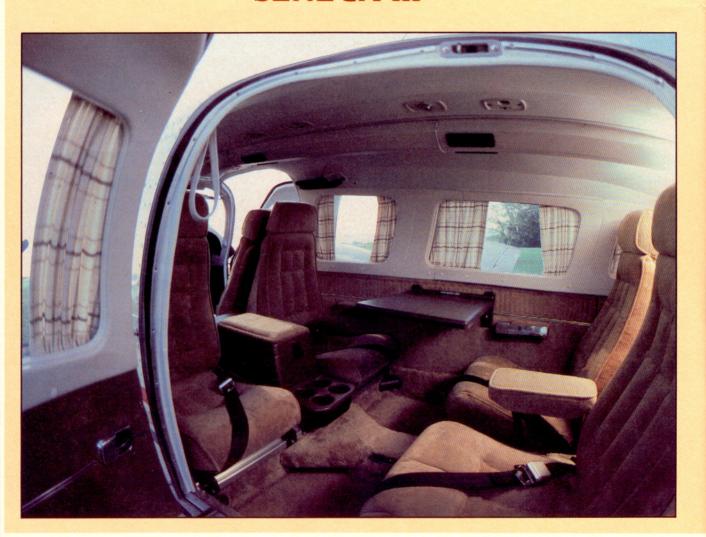


# **SENECA III**





Already a hit with passengers, the Seneca now aims to please pilots and accountants as well.



Gone are the windshield post and the plastic panel. The new metal panel has an improved arrangement of instruments and good lighting.



## SENECA III

## PIPER PA-34-220T SENECA III

Base price: 1981 \$138,250 1982 \$156,220

Price as tested \$209,090 (1981 est)

Current market value \$185,000

AOPA Pilot Operations/Equipment Category: IFR\*

Specifications **Powerplants** Teledyne Continental TSIO-360-KB and LTSIO-360-KB Max takeoff (5 min limit) 220 hp @2,700 rpm, 40 in mp 200 hp @ 2,600 rpm, Max continuous 40 in mp Recommended TBO 1,800 hr Hartzell 2 blade, constant speed, Propellers full feathering, 76 in (opt: 3 blade) 38 ft 10.8 in Wingspan Length 28 ft 7.2 in 9 ft 10.8 in Height 208.7 sq ft Wing area 22.8 lb/sq ft Wing loading

10.8 lb/hp
6
10 ft 5 in
4 ft 1 in
4 ft 1 in
2,857 lb
3,224 lb
1,916 lb
1,549 lb

Payload w/full fuel (std tanks) 1,358 lb 811 lb Payload w/full fuel (as tested) Max ramp weight 4,773 lb 4.750 lb Max takeoff weight 4,513 lb Max landing weight 4,470 lb Zero fuel weight

Fuel capacity, std (558/93 usable) 768 lb/128 gal Fuel capacity w/opt tanks

588 lb/98 gal

(738/123 usable) Oil capacity ea engine 8 qt

Baggage capacity forward

100 lb/15.3 cu ft 100 lb/17.3 cu ft aft

## Performance

Takeoff distance (ground roll)	920 ft
Takeoff over 50-ft obst	1,210 ft
Accelerate/stop distance	
w/heavy-duty tires and brakes	2,088 ft
May demonstrated crosswind comp	onent15 kt

Rate of climb, sea level 1,400 fpm 240 fpm Single-engine ROC, sea level 170 kt Max level speed, sea level



Max level speed, 14,000 ft	196 kt			
Cruise speed, 75% power				
10,000 ft	179 kt			
17,000 ft	193 kt			
Fuel consumption, ea engine	174 pph/			
	29 gph			
Cruise speed, 65% power				
10,000 ft	175 kt			
17,000 ft	187 kt			
Fuel consumption, ea engine	139.8 pph/			
	23.3 gph			
Cruise speed, 55% power				
10,000 ft	159 kt			
17,000 ft	174 kt			
Fuel consumption, ea engine	112.2 pph/			
	18.7 gph			
Range @ 75% cruise w/45-min	rsv,			
opt fuel, best economy				
10,000 ft	640 nm			
17,000 ft	665 nm			
Range @ 65% cruise w/45-min rsv,				
opt fuel, best economy				
10,000 ft	760 nm			
17,000 ft	780 nm			
Range @ 55% cruise w/45-min	rsv,			
opt fuel, best economy				
10,000 ft	860 nm			
17,000 ft	895 nm			
Max operating altitude	25,000 ft			
Single-engine service ceiling	12,300 ft			
Landing over 50-ft obst	2,160 ft			
w/heavy-duty tires and brakes	1,978 ft			
Landing distance (ground roll)	1,400 ft			
w/heavy-duty tires and brakes	1,218 ft			

## Limiting and Recommended Airspeeds

Vmca (Minimum control	
w/one engine inoperative)	66 KIAS
Vsse (Minimum intentional	
one-engine inoperative)	85 KIAS
Vx (Best angle of climb)	76 KIAS
Vy (Best rate of climb)	92 KIAS
Vxse (Best single-engine	
angle of climb)	78 KIAS
Vyse (Best single-engine	
rate of climb)	92 KIAS
Va (Design maneuvering)	140 KIAS
Vfe (Max flap extended)	115 KIAS
Vle (Max gear extended)	130 KIAS
Vlo (Max gear operating)	
extend	130 KIAS
retract	108 KIAS
Vno (Max structural cruising)	166 KIAS
Vne (Never exceed)	205 KIAS
Vs1 (Stall clean)	67 KIAS
Vso (Stall in landing configuration)	64 KIAS

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, at sea level and gross weight, unless otherwise noted. Operations/Equipment Category for aircraft as tested: see June 1981 Pilot, p. 103;

\*Seneca III capable of all-weather operations category with addition of weather detection/avoidance equipment and with anti-icing, deicing package. However, the icing package, available for \$13,770 in 1981, limits the aircraft to light to moderate icing conditions.