

## SPEC SHEET

<b>Piper PA-34-220T Seneca V</b>	
<b>Specifications</b>	
Powerplants	220-hp (ea) Teledyne Continental TSIO-360
Recommended TBO	1,800 hr
Propellers	Hartzell two-blade, 76-in dia (three-blade McCauley, 76-in dia, optional)
Length	28 ft 7 in
Height	9 ft 11 in
Wingspan	38 ft 11 in
Wing area	208.7 sq ft
Wing loading	21.2 lb/sq ft
Power loading	10 lb/hp
Seats	6
Cabin length	10 ft 4 in
Cabin width	4 ft 1 in
Cabin height	3 ft 6 in
Standard empty weight	3,413 lb
Max ramp weight	4,773 lb
Max takeoff weight	4,750 lb
Max zero fuel weight	4,479 lb
Max useful load	1,337 lb
Max payload w/full fuel	605 lb
Max landing weight	4,513 lb

Fuel capacity, std	128 gal (122 gal usable) 768 lb (732 lb usable)
Baggage capacity	
Forward, external	100 lb, 15.3 cu ft
Aft, internal	85 lb, 17.3 cu ft
<b>Performance</b>	
Takeoff distance, ground roll	1,143 ft
Takeoff distance over 50-ft obstacle	2,180 ft
Accelerate-stop distance, 0 flaps	2,650 ft
Max demonstrated crosswind component	17 kt
Rate of climb, sea level	1,460 fpm
Single-engine ROC, sea level	253 fpm
Cruise speed/range w/45-min rsv (fuel consumption)	
@ High-speed cruise, 10,000 ft	182 kt/635 nm (28 gph)
@ Normal cruise, 25,000 ft	200 kt/645 nm (24 gph)
Max operating altitude	25,000 ft
Service ceiling	25,000 ft
Single-engine service ceiling	16,500 ft
Landing distance over 50-ft obstacle	2,180 ft
Landing distance, ground roll	1,143 ft
<b>Limiting and Recommended Airspeeds</b>	
V <sub>R</sub> (rotation)	81 KIAS
V <sub>X</sub> (best angle of climb)	83 KIAS
V <sub>Y</sub> (best rate of climb)	88 KIAS
V <sub>XSE</sub> (best single-engine angle of climb)	83 KIAS

V <sub>YSE</sub> (best single-engine rate of climb)	88 KIAS
V <sub>MC</sub> (min control w/one engine inoperative)	66 KIAS
V <sub>SSE</sub> (min intentional one-engine operation)	85 KIAS
V <sub>A</sub> (design maneuvering)	139 KIAS
V <sub>FE</sub> (max flap extended)	113 KIAS
V <sub>LE</sub> (max gear extended)	128 KIAS
V <sub>LO</sub> (max gear operating)	
Extend	128 KIAS
Retract	107 KIAS
V <sub>NO</sub> (max structural cruising)	164 KIAS
V <sub>NE</sub> (never exceed)	204 KIAS
V <sub>S1</sub> (stall, clean)	67 KIAS
V <sub>SO</sub> (stall, in landing configuration)	61 KIAS

*For more information, contact The New Piper Aircraft Inc., 2926 Piper Drive, Vero Beach, FL 32960; telephone 561/567-4361; fax 561/778-2144; or visit the Web site ([www.newpiper.com](http://www.newpiper.com)).*

*All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.*