GA-7 Cougar Competitive Comparison

Manufacturer	Gulfstream American	Beech	Beech	Piper	Piper	Piper	Piper
Model	**GA-7 Cougar**	**E97 Travel Air**	**76 Duchess**	**PA44-180 Seminole**	**PA30C Twin Commanche**	**PA34-200 Seneca**	**PA34-200T Seneca II**
Years Built	1978-79	1958-68	1978-82	1979-	1963-69	1972-75	1975-81
Number Built	115	720	437	480+	2,000	1,260	2,261
Type	Twin Engine 4-Seat Retractable	Twin Engine 4-Seat Retractable	Twin Engine 4-Seat Retractable	Twin Engine 4-Seat Retractable	Twin Engine 4-Seat Retractable	Twin Engine 7-Seat Retractable	Twin Engine 7-Seat Retractable
Wingspan	36'9"	37'1"	38'0"	38'7"	36'0"	38'11"	38'11"
Length	29'7"	25'1"	29'0"	27'7"	32'1"	28'6"	28'7"
Height	10'4"	9'6"	9'6"	8'6"	8'2"	9'11"	9'11"
Empty Weight	2,569lbs	2,650lbs	2,460lbs	2,406lbs	2,270lbs	2,586lbs	2,841lbs
Gross Weight	3,800lbs	4,200lbs	3,900lbs	3,800lbs	3,725lbs	4,000lbs	4,570lbs
Useful Load w/Std Useable Fuel	846lbs	1,070lbs	852lbs	758lbs	790lbs	826lbs	1,171lbs
Engine(s)	Lycoming O-320-D1D 160hp @ 2,700 rpm	Lycoming IO-360-B1B 180hp @ 2,700 rpm	Lycoming O-360-A1G6D 180hp @ 2700 rpm	Lycoming O-360-E1A6D 180hp @ 2700 rpm	Lycoming IO-320-B1A 160hp @ 2700 rpm	Lycoming IO-360-C1E6 200hp @ 2700 rpm	Continental TSIO-360-EB 200hp @ ? rpm
TBO	2,000 hrs	2,000 hrs	2,000 hrs	2,000 hrs	2,000 hrs	2,000 hrs	1,800 hrs
Useable Fuel (Std)	80 US gal	80 US gal	100 US gal	108 US gal	90 US gal	100 US gal	93 US gal
Useable Fuel (Max)	114 US gal	112 US gal	100 US gal	108 US gal	120 US gal	100 US gal	123 US gal
Takeoff Gnd Roll	1,000'	1,000'	1,017'	880'	940'	750'	870'
Takeoff Over 50'	1,850'	1,280'	2,119'	1,400'	1,530'	1,140'	1,240'
Rate Of Climb	1,160 fpm	1,250 fpm	1,248 fpm	1,340 fpm	1,460 fpm	1,460 fpm	1,340 fpm
Landing Over 50'	1,330'	1,590'	1,881'	1,400'	1,870'	1,335'	2,110'
Landing Gnd Roll	710'	980'	1,000'	590'	1,215'	705'	1,380'
Stall Speed (Vso)	63 kts	61 kts	60 kts	55 kts	60 kts	58 kts	62 kts
Max Speed	168 kts	183 kts	171 kts	168 kts	178 kts	170 kts	196 kts
Cruise Speed (75%)	160 kts	174 kts	158 kts	161 kts	172 kts	162 kts	177 kts
Cruise Altitude	8,500'						
Cruise Range (w/45min Reserve)	840 nm						
Service Ceiling	17,400'	18,100'	19,650'	17,100'	20,000'	20,000'	25,000'
Wing Loading	20.65 lbs/sqft						
Power Loading	11.88 lbs/bhp						
Propeller(s) Diameter/Pitch Type	Hartzell 73" Constant Spd	Constant Spd	Constant Spd	Constant Spd	Constant Spd	Constant Spd	Constant Spd