

Manufacturer	American Aviation	American Aviation	Grumman American	Gulfstream American	Grumman American	Gulfstream American	Gulfstream American	American General	Gulfstream American
Model	AA-1 Yankee	AA-1A Trainer	AA-1B	AA-1C Lynx	AA-5 Traveler	AA-5A Cheetah	AA-5B Tiger	AG-5B Tiger	GA-7
Years Built	1969-71	1971-72	1973-76	1977-78	1972-75	1976-79	1975-79	1990-93	1978-79
Number Built	459	470	551	211	834	900	1323	181	115
Type	Single Engine 2-Seat Fixed Gear	Single Engine 2-Seat Fixed Gear	Single Engine 2-Seat Fixed Gear	Single Engine 2-Seat Fixed Gear	Single Engine 4-Seat Fixed Gear	Single Engine 4-Seat Fixed Gear	Single Engine 4-Seat Fixed Gear	Single Engine 4-Seat Fixed Gear	Twin Engine 4-Seat Retractable
Wingspan	24'5"	24'5"	24'5"	24'5"	31'5"	31'5"	31'5"	31'5"	36'9"
Length	19'3"	19'3"	19'2"	19'3"	22'0"	22'0"	22'0"	22'0"	29'7"
Height	6'8"	6'8"	7'6"	7'7"	8'0"	8'0"	8'0"	7'8"	10'4"
Empty Weight	982lbs	1,007lbs	975lbs	1,066lbs	1,271lbs	1,286lbs	1,398lbs	1,398lbs	2,569lbs
Gross Weight	1,500lbs	1,500lbs	1,560lbs	1,600lbs	2,200lbs	2,200lbs	2,400lbs	2,400lbs	3,800lbs
Useful Load w/Std Useable Fuel	386lbs	361lbs	453lbs	402lbs	707lbs	692lbs	780lbs	780lbs	846lbs
Engine(s)	Lycoming O-235-C2C 108hp @ 2,600 rpm	Lycoming O-235-C2C 108hp @ 2,600 rpm	Lycoming O-235-C2C 108hp @ 2,600 rpm	Lycoming O-235-L2C 115hp @ 2,700 rpm	Lycoming O-320-E2G 150hp @ 2,700 rpm	Lycoming O-320-E2G 150hp @ 2,700 rpm	Lycoming O-360-A4K 180hp @ 2,700 rpm	Lycoming O-360-A4K 180hp @ 2,700 rpm	Lycoming O-320-D1D 160hp @ 2,700 rpm
TBO	2,400 hrs	2,400 hrs	2,400 hrs	2,400 hrs	2,400 hrs	2,000 hrs	2,000 hrs	2,000 hrs	2,000 hrs
Useable Fuel (Std)	22 US gal	22 US gal	22 US gal	22 US gal	37 US gal	37 US gal	37 US gal	37 US gal	80 US gal
Useable Fuel (Max)	22 US gal	22 US gal	22 US gal	22 US gal	37 US gal	51 US gal	51 US gal	51 US gal	114 US gal
Takeoff Gnd Roll	900'	725'	810'	890'	880'	880'	865'	865'	1,000'
Takeoff Over 50'	1,615'	1,400'	1,550'	1,590'	1,600'	1,600'	1,550'	1,550'	1,850'
Rate Of Climb	710 fpm	765 fpm	660 fpm	700 fpm	660 fpm	660 fpm	850 fpm	915 fpm	1,160 fpm
Landing Over 50'	1,240'	1,065'	1,100'	1,125'	1,100'	1,100'	1,120'	1,120'	1,330'
Landing Gnd Roll	490'	395'	410'	425'	380'	380'	410'	410'	710'
Stall Speed (Vso)	60 kts	51 kts	52 kts	53 kts	50 kts	53 kts	53 kts	53 kts	63 kts
Max Speed	125 kts	120 kts	120 kts	126 kts	130 kts 1975 = 136k	136 kts	148 kts	148 kts	168 kts
Cruise Speed (75%)	117 kts	109 kts	108 kts	117 kts	122 kts 1975 = 128k	128 kts	139 kts	141 kts	160 kts
Cruise Altitude	8,000'	3,000'	3,000'	8,500'	9,000'	8,500'	8,500'	8,500'	8,500'
Cruise Range (w/45min res.)	350 nm	350 nm	350 nm	300 nm	430 nm	657 nm	554 nm	530 nm	840 nm
Service Ceiling	11,000'	13,750'	12,750'	11,500'	12,650'	12,650'	13,800'	13,800'	17,400'
Wing Loading	15.3 lbs/sqft	14.9 lbs/sqft	15.5 lbs/sqft	15.9 lbs/sqft	15.7 lbs/sqft	15.7 lbs/sqft	17.1 lbs/sqft	17.1 lbs/sqft	20.65 lbs/sqft
Power Loading	13.9lbs/bhp	13.9 lbs/bhp	14.4 lbs/bhp	13.9 lbs/bhp	14.7 lbs/bhp	14.7 lbs/bhp	13.3 lbs/bhp	13.3 lbs/bhp	11.88 lbs/bhp
Propeller(s) Diameter/Pitch Type	McCauley 71/53 Fixed Pitch	McCauley 71/53 Fixed Pitch	McCauley 71/53 Fixed Pitch	McCauley 72/52 Fixed Pitch	McCauley 73/59 Fixed Pitch	McCauley 73/59 Fixed Pitch	McCauley 75/63 Fixed Pitch	Sensenich 76/61 Fixed Pitch	Hartzell 73 Cst/Spd