



AA5-B & AG5-B Tiger Competitive Comparison

Manufacturer	Gulfstream American	American General	Beech	Beech	Cessna	Cessna	Cessna	Piper	Piper	Piper
Model	AA-5B Tiger	AG-5B Tiger	C23C Sundowner	24 Musketeer	172K Hawk XP	177B Cardinal	182P Skylane	PA28-180 Cherokee	PA28-181 Archer III	PA28-235F Cherokee
Years Built	1975-79	1990-93	1970-83	1966-70	1977-81	1970-78	1956-86	1961-75	1976-	1964-77
Number Built	1,323	181	1,108	368	1,455	1,588	19,615	7,422	3,618+	2,104
Type	Single Engine 4-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	Single Engine 4-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
Wingspan	31'5"	31'5"	32'9"	32'9"	35'10"	35'6"	35'10"	32'0"	35'0"	32'0"
Length	22'0"	22'0"	25'9"	25'0"	27'2"	27'3"	28'0"	24'8"	23'10"	24'2"
Height	8'0"	7'8"	8'3"	8'3"	8'10"	8'7"	9'3"	8'0"	7'4"	7'10"
Empty Weight	1,398lbs	1,398lbs	1,494lbs	1,410lbs	1,572lbs	1,643lbs	1,754lbs	1,310lbs	1,416lbs	1,467lbs
Gross Weight	2,400lbs	2,400lbs	2,450lbs	2,550lbs	2,550lbs	2,500lbs	2,950lbs	2,400lbs	2,550lbs	2,900lbs
Useful Load w/Std Useable Fuel	780lbs	780lbs	620lbs	786lbs	666lbs	557lbs	656lbs	790lbs	846lbs	929lbs
Engine(s)	Lycoming O-320-A4K 180hp @ 2,700 rpm	Lycoming O-320-A4K 180hp @ 2,700 rpm	Lycoming O-320-A4K 180hp @ 2,700 rpm	Lycoming IO-360-A2B6 200hp @ ? rpm	Continental O-360-KB 195hp @ ? rpm	Lycoming O-360-A1F6 180hp @ 2700 rpm	Continental O-470-R 230hp @ 2450 rpm	Lycoming O-360-A4A 180hp @ 2700 rpm	Lycoming O-360-A4M 180hp @ 2700 rpm	Lycoming O-540-B4B5 200hp @ 2700 rpm
TBO	2,000 hrs	2,000 hrs	2,000 hrs	1,500 hrs	2,000 hrs	2,000 hrs	1,500 hrs	2,000 hrs	2,000 hrs	2,000 hrs
Useable Fuel (Std)	37 US gal	37 US gal	57 US gal	60 US gal	52 US gal	50 US gal	92 US gal	50 US gal	48 US gal	84 US gal
Useable Fuel (Max)	51 US gal	51 US gal	57 US gal	60 US gal	68 US gal	61 US gal	92 US gal	50 US gal	48 US gal	84 US gal
Takeoff Gnd Roll	865'	865'	1,130'	950'	800'	750'	705'	720'	870'	800'
Takeoff Over 50'	1,550'	1,550'	1,955'	1,380'	1,360'	1,400'	1,350'	1,620'	1,652'	1,360'
Rate Of Climb	850 fpm	915 fpm	792 fpm	880 fpm	870 fpm	840 fpm	1,010 fpm	750 fpm	735 fpm	825 fpm
Landing Over 50'	1,120'	1,120'	1,484'	1,300'	1,345'	1,220'	1,350'	1,150'	1,390'	1,300'
Landing Gnd Roll	410'	410'	703'	660'	635'	600'	590'	600'	925'	680'
Stall Speed (Vso)	53 kts	53 kts	51 kts	52 kts	47 kts	46 kts	50 kts	50 kts	49 kts	52 kts
Max Speed	148 kts	148 kts	128 kts	137 kts	132 kts	139 kts	148 kts	132 kts	129 kts	144 kts
Cruise Speed (75%)	139 kts	141 kts	116 kts	130 kts	130 kts	130 kts	143 kts	124 kts	125 kts	136 kts
Cruise Altitude	8,500'	8,500'								
Cruise Range (w/45min Reserve)	554 nm	530 nm						524 nm		
Service Ceiling	13,800'	13,800'	12,600'	14,850'	17,000'	14,600'	16,500'	13,000'	15,000'	14,500'
Wing Loading	17.1 lbs/sqft	17.1 lbs/sqft						15.0 lbs/sqft		
Power Loading	13.3 lbs/bhp	13.3 lbs/bhp						13.3 lbs/bhp		
Propeller(s) Diameter/Pitch Type	McCaughey 75/63 Fixed Pitch	Sensenich 76/61 Fixed Pitch	Fixed Pitch	Fixed Pitch	Fixed Pitch	Const Spd	Const Spd	Sensenich 76/60 Fixed Pitch	Const Spd	Const Spd