

From The 1977 AA-5A/-5B Brochure

# THE NUMBERS YOU NEED.

## Performance and Specifications

Gross Weight	2400 lb	1088.6 kg
Empty Weight	1311 lb	594.7 kg
Useful Load	1089 lb	493.9 kg
Baggage (Maximum)	120 lb	54.4 kg
Top Speed @ Sea Level	148 kt	273 km/h
Cruise @ .75% power, all.	8500 ft	2491 m
Speed	139 kt	258 km/h
Fuel Consumption	10.7 gph	40.5 l/h
Endurance (No reserve)	4.7 hr	
Range (No reserve)	653 nmi	1210 km
Range (45 min. reserve)	554 nmi	1026 km
Rate of Climb @ Sea Level	850 fpm	4.32 m/s
Service Ceiling	13800 ft	4206 m
Takeoff Distance		
Ground run	865 ft	264 m
Total over 50 ft (15m) obstacle	1550 ft	473 m
Landing Distance		
Total over 50 ft (15m) obstacle	1120 ft	341 m
Ground run	410 ft	125 m
Stall speed		
Flaps down	53 kt	98 km/h
Flaps up	56 kt	105 km/h
Fuel Capacity, Total	52.6 gal	199 lt
Fuel Capacity, Useable	51 gal	193 lt
Oil Capacity	8 qt	7.5 lt
Propeller, metal, McCauley, fixed pitch, 73" diameter, 59" pitch		
Engine, Lycoming O-360-A4K, 180 BHP		
Wing Span	31.5 ft	9.6 m
Wing Area	140 ft <sup>2</sup>	13.0 m <sup>2</sup>
Length	22 ft	6.7 m
Height	8 ft	2.4 m

## EQUIPMENT LIST:

### AA-5B Standard Equipment

#### Cabin Features:

Arm rests, front (2), rear (2)  
Ashtray  
Baggage door, bonded  
Baggage straps  
Canopy, slide-type (certified for open canopy flight)  
Carpet, floor, side panels  
Center console  
Chart holder (2)  
Coat hook

Glare shield, instrument panel  
Glove compartment  
Hat shelf  
Headliner, sound-proofing, fabric/foam  
Heating system, cabin  
Ignition switch, key-operated  
Interior, deluxe, vinyl/fabric (6 choices)  
Instrument panel  
Keylock, canopy  
Latch, inside/outside, canopy  
Seat belts (4 sets)  
Seats, front (2), adjustable, bucket-type  
Seats, rear (2)  
Shoulder harnesses (4 sets)  
Super-sound-proofing, interior  
Tie-down rings (6), baggage  
Ventilators, cabin air, high volume, directional  
Windshield defroster (2 outlets)

#### Control Features:

Aileron and elevator lock  
Aileron trim tab, ground adjustable (2)  
Brake, toe-operated hydraulic (R & L)  
Electric flaps  
Elevator trim system  
Flap indicator  
Parking brake  
Rudder trim tab, ground adjustable

#### Electrical System:

Alternator, 60-amp  
Battery, 12-volt, 25-amp/hr  
Light, cabin dome  
Lights, instrument (variable intensity)  
Lights, navigation  
Voltage regulator, 12-volt, 60-amp  
Wiring system

#### Fuel System:

Engine primer, four cylinder type  
Fuel pump, electric, auxiliary  
Fuel pump, engine-driven  
Fuel selector valve, three position  
Fuel sampler cup  
Fuel tanks, 52 gallon  
Quick drains, fuel tank (4)

#### Instruments:

Airspeed indicator  
Altimeter, sensitive (inches Hg)  
Ammeter  
Compass, magnetic

Fuel quantity gauges, electric (2)  
Oil pressure gauge  
Oil temperature gauge  
Pitot static system  
Stall warning, audible  
Tachometer, recording

#### Power Plant:

180 BHP Lycoming, four cylinder (O-360-A4K)  
Carburetor air filter  
Carburetor air heating system  
Magnetos, dual  
Muffler with heat exchanger  
Oil cooler  
Propeller, fixed-pitch, metal  
Propeller spinner, deluxe, bullet type  
Shielded Ignition  
Starter, electric  
Suspension system, engine (vibration reducing)  
Vacuum pump pad

#### Exterior Features:

Corrosion proofing, internal structural joints  
Main landing gear, "Face-Saver" laminated fiberglass  
Nose gear, flex-torque tube mounted  
Paint, all-over white (DuPont IMRON® Polyurethane)  
Shock absorbers, nose strut, dual  
Tires, large (17 x 6.00-6)  
Trim stripe  
Wheel hub covers  
Wing and tail tie-down rings

## AA-5B TIGER

(Same basic equipment as AA-5B Standard, plus the following)

Beacon, omniflash  
Cigarette lighter  
Clock, electric  
Controls, dual (yoke, pedals, toe brakes) (exchange)  
Gyro system  
Landing light  
Outside air temperature gauge  
Pitot heater system (exchange)  
Radio, NARCO Com 10A/Nav 10 Option 1 with NARCO M-700

Tinted windows  
Tow bar  
Turn coordinator indicator  
Vertical speed indicator

## Optional Instruments, Equipment and Accessories

#### Instruments:

Altimeter, sensitive (millibars) (exchange)  
\*Clock, electric  
\*Gyro system  
Hour recorder  
\*Outside air temperature gauge  
True airspeed indicator (exchange)  
Turn and bank indicator (exchange)  
\*Turn coordinator indicator  
\*Vertical speed indicator

#### Equipment and Accessories:

Auxiliary power receptacle  
Avionics, Collins  
Avionics, King  
\*Avionics, NARCO  
\*Beacon, omniflash  
\*Cigarette lighter  
\*Controls, dual (yoke, pedals, toe brakes) (exchange)  
Corrosion proofing, internal (includes stainless steel control cables)  
Cover, canopy  
Emergency Locator Transmitter (ELT)  
Fire extinguisher  
Glider towing kit  
Interior, deluxe, all-vinyl  
Intercom system  
\*Landing light  
Map light, adjustable  
Oil access door  
\*Pitot heater system (exchange)  
Pitot static source, alternate  
Rear seat ventilation  
Steps LH/RH  
Strobe lights  
Sun visors, adjustable  
\*Tinted windows  
\*Tow bar  
Valve, oil quick-drain  
Wheel fairings  
Wing leveler

\*Standard equipment on Tiger