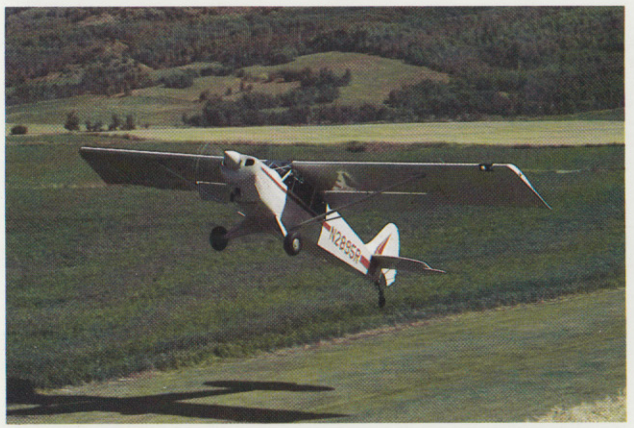
AVIAT inc

HUSKY A-1

Utility Aircraft

The AVIAT HUSKY

The list of applications for the versatile Aviat HUSKY is seemingly endless. Whether it be for law enforcement, forestry service, fish and game control, glider towing, pipeline patrolling, missionary medical services, construction surveys, or farm and ranch use, the multi-purpose HUSKY offers the ultimate in low-cost, dependable utility aircraft performance.



Proven utility aircraft design concepts have been integrated with time-tested construction materials and techniques in the HUSKY to produce a high-performance aircraft with extraordinary utility features. The high-lift wing, large area flaps, 180 hp engine, and constant-speed propeller combine to provide exceptional short field performance and impressive slow-flight characteristics.

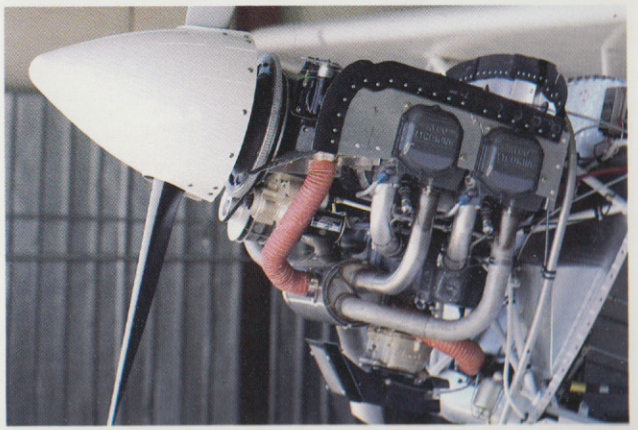
The welded tubular steel fuselage, aluminum and steel wing structure, and polyester fabric covering result in an extremely light and highly durable airframe which provides easy and inexpensive maintenance and many years of useful life.

The HUSKY features a Clark Y/USA 35B airfoil which is modified extensively to provide high-lift and docile stall characteristics, and which is combined with long-span single-slot manually-operated flaps to provide outstanding slow-flight capabilities and exceptionally short take-off and landing distances.

The ailerons are an efficient low-drag symmetrical type with spade-type aerodynamic counterbalances which combine with the drooped wing tips to offer high roll rate with light aileron pressures and excellent low-speed roll control.

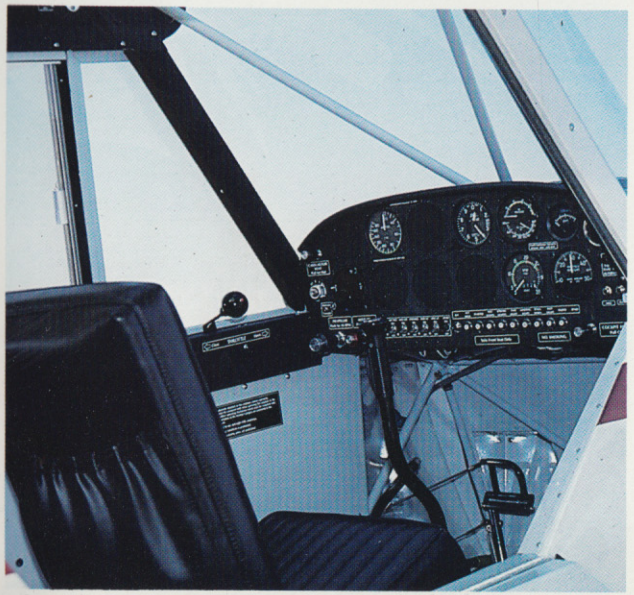
The powerplant is composed of a 180 hp Lycoming O-360-C1G engine and a Hartzell constant-speed propeller to provide proven reliability and maximum thrust and power throughout the typical utility flight envelope.

A stainless steel low-restriction muffler and exhaust system ensures quiet and efficient engine operation. The split engine cowling nosebowl allows easy cowling removal for complete engine compartment accessibility during engine service. Large access doors are provided on each side of the cowling for convenient pre-flight inspections and servicing.



The roomy cockpit has complete flight controls in both the front and rear. The seats are easily adjusted with quick-change back and bottom cushions, and the spacious cargo/luggage area is easily accessible when the back of the rear seat is folded forward.

The instrument panel has a full array of standard engine and flight instruments and a navcom radio, and there is ample room for special instruments and avionics.

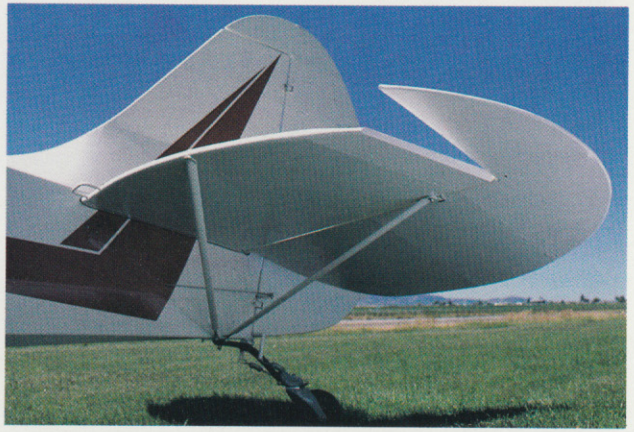


A five-point adjustable seat belt/harness system is provided for each occupant. The dual-strap shoulder harnesses and crotch straps attach easily to the single belt buckle for convenient operation.

The lower door and upper window are hinged horizontally for swing-out operation and can be opened in flight easily for viewing, photography, or parcel dropping.

The elevator features a bungee-type trim system. This simple, low maintenance system offers quick effortless trimming of the aircraft in flight while providing very light elevator control forces.

The horizontal stabilizer borrows from Aviat's proven aerobatic designs. It features streamlined stainless steel brace wires above the stabilizer and it has rugged streamlined tubular steel braces below the stabilizer to ensure maximum resistance to rock strikes and abrasion from brush in off-airport landings and take-offs.



A heavy-duty steerable tailwheel with 8-inch pneumatic tire is provided for positive steering. Two lift handles are provided on each side of the aft fuselage and on the leading edges of the horizontal stabilizers for convenient ground movement of the aircraft.

The heavy-duty landing gear legs are made from lightweight streamlined steel tubing covered with durable low-drag aluminum fairings. Gear leg suspension is provided by triple bungee shock cords on each gear leg which are enclosed within the fuselage and are easily accessible from the forward cockpit. Oversize 6-ply tires and toe-operated hydraulic disc brakes provide sure and easy ground handling on even the roughest terrain.

A full electrical system with switches and circuit breakers for all system components is standard equipment. The landing and taxi lights are wing-mounted for dependable low vibration service. The dual high-output wing tip strobe lights ensure maximum visibility of the aircraft and resultant safety when flying in haze or at night.

The HUSKY can be routinely flown for as long as seven hours at speeds in excess of 110 mph. Required take-off run is less than 250 ft and landing distance with full flaps is less than 350 ft. Initial rate of climb is greater than 1500 ft/min and the service ceiling is in excess of 20,000 ft.

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SPECIFICATIONS

Seats	2 in tandem
Engine	AVCO/Lycoming O-360-C1G, carbureted, 180 hp
Fuel rating	100 octane
Propeller	TRW/Hartzell constant-speed
Airfoil	Modified Clark Y/USA 35B
Wing span	35 ft 6 in
Length	22 ft 7 in
Height	6 ft 7 in
Wing area	183 sq ft
Gross weight	1800 lb
Empty weight	1190 lb
Useful load	610 lb
Cargo capacity	10 cu ft and 50 lb
Wing loading	9.8 lb/sq ft
Power loading	10 lb/hp
Fuel capacity	52 U.S. gal (50 gal usable)

PERFORMANCE

Top speed	145 mph
Cruising speed @ 75% power	140 mph
Cruising speed @ 55% power	130 mph
Stall speed with flaps (power off)	42 mph
Stall speed with flaps (power on)	33 mph
Landing speed	48 mph
Take-off distance with full flaps	200 ft
Landing distance with full flaps	350 ft
Rate of climb	1500 ft/min
Service ceiling	20,000 ft msl
Fuel consumption @ 55% power	7.7 gal/hr
Range @ 55% power	800 mi

Performance information is based on an airplane flown at gross weight under standard sea level atmospheric conditions and is based on the latest data available at the time of publication. Take-off and landing performance is optimum. Actual performance depends on pilot techniques, operating surfaces, and other factors.

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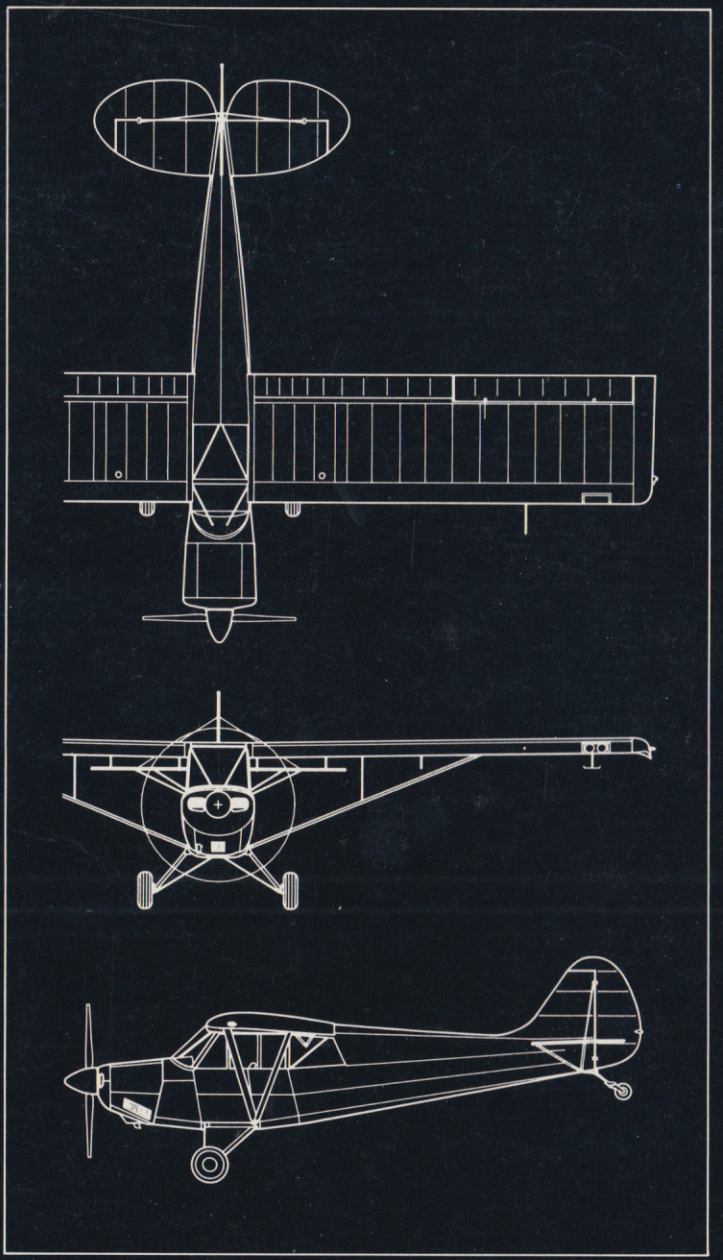

DEALER INFORMATION:

STANDARD EQUIPMENT

Complete electrical system (12 VDC) with 60 amp alternator, 35 amp-hr battery, starter, ammeter, and circuit breakers.

Complete lighting system with landing lights, navigation lights, strobe lights, and instrument lights.

Complete flight and engine instruments with sensitive altimeter, airspeed indicator, magnetic compass, recording tachometer, oil temperature and pressure gauge, manifold pressure gauge, and cylinder head temperature gauge.

High-lift slotted wing flaps

High roll-rate symmetrical ailerons with aerodynamic counterbalances

Dual controls

8:00 X 6 in. 6-ply main tires

8 in. Scott steerable tailwheel

Dual seatbelts with shoulder harnesses

Stainless steel muffler-exhaust system

High-capacity cabin heater

Carburetor air filter and heater

Dual toe-operated hydraulic disc brakes

Polyester fabric covering

Tiedown fittings

Fuel quantity sight gauges

OPTIONAL EQUIPMENT

Navcom radio equipment

Loran C navigation equipment

Radio antennas

Intercom system

Push-to-talk switches

IFR instrumentation

See the current price list for details on available optional equipment.

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Light Aircraft Manufacturers

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