

# Alpha 120T

## Power Plant & Accessories

- Lycoming O-235 L2A 118hp

## Propeller

- Sensenich Fixed Pitch –72CK5-0-54

## Engine Monitoring

- Voltage / Amps
- Oil Pressure/Temperature
- Fuel Pressure
- CHT, OAT

## Fuel System

- Fuel Tank –120Ltr with Integrated dipstick
- Quick Drain Fuel Valve
- Engine Driven Fuel Pump
- Electric Fuel Pump - Boost
- Electric Fuel Quantity Gauge
- Fuel Shutoff Valve
- Fuel Draining Tool

## Oil System

- Remote Spin On Oil Filter

## Electrical System

- 14 volt System, Dry Battery
- Ignition & Starter Switch
- Master Switch
- Avionics Master Switch
- Circuit Breakers, Pull Type, Trip-Free
- 14v Auxiliary Power Outlet
- Ground Service Plug

## Annunciator Lights For

- Low Fuel Pressure
- Low Fuel Level
- Low Oil Pressure
- Charge
- Starter Engaged
- Flaps Down
- Plus 2 Spare

## Flight Instruments

- Gyro Package: Artificial Horizon, Direction Indicator
- Sensitive Altimeter
- Airspeed Indicator
- Vertical Speed Indicator
- Magnetic Compass
- Turn Coordinator
- Stall Warning Horn

## Avionics –Standard Equipment

- Garmin SL30 NAV/COM
- Garmin GI 102 CDI
- Garmin GTX 328 Transponder, Mode S

## Interior

- Dual Swivel-Type Fresh Air Vents, Adjustable
- Cabin Heating System
- Windscreen Defrost
- Instrument & Cabin Lights
- Two 4 Point Seat Harnesses
- Stereo Headset Sockets
- Fabric Seat Cushions / Interior
- Map & Storage Pockets
- 75 lb Baggage Bay
- 406 Type Emergency Locator Transmitter

## Controls

- Dual Stick Flight Controls
- Dual Throttle Controls
- Adjustable fore & aft seats
- Pilots & Co-Pilots Toe Brakes
- Parking Brake
- Flaps –Electric, 3 position with Indicator
- Pitch Trim

## Airframe Features

- Semi Monocoque Aluminum Alloy Construction
- Full & comprehensive anti-corrosion treatment
- Oleo Pneumatic Landing Gear
- Cleveland Brakes
- Steerable nose wheel, self centering in flight

## Exterior

- Aircraft Tie Down Points
- CAM-LOC™ Cowl Fastenings
- Large forward sliding tinted Canopy
- Landing/Taxi Lights
- Anti-collision/Navigation Lights
- White Paint Finish with Two (2) standard trim colours

## Publications

- Service Manuals
- Aircraft Flight Manual

## Optional Equipment Available includes

- Wheel Spats and undercarriage fairings
- Pitot Heating System
- Aircraft tow bar

## Description

- Powerplant ..... 118Hp - Lycoming O-235
- Propeller ..... Sensenich –Fixed Pitch
- Wing Span ..... 8.33m (27ft 4in)
- Height ..... 2.13m (7ft)
- Length ..... 7.10m (23ft 3in)
- Wing Area ..... 13m<sup>2</sup> (140sq ft)
- Empty Weight (Typical) .... 545kg (varies by Equipment spec's)
- Maximum. AUW ..... 800kg\*
- Fuel Capacity ..... 120Ltr

## Performance

- Cruise ISA SL @ MAUW 75% Power 100 KIAS
- VY 75 KIAS 650 FPM @ MAUW
- VS Full Flap MAUW 48 KIAS
- Range/Endurance @5500' 65% Pwr> 490nm/5.30hrs( Nil Reserve)
- Fuel Consumption 22-24Ltr/hr
- Take off distance 230mtrs/425mtrs to clear 15mtrs

Customer Specific Options Available

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