

300 Series



# EA-300LP

*Aerobatic Performance Plane*

## ■ Options

### CONFIGURATION

Two-seat, tandem arrangement, low-wing aerobatic monoplane with conventional (taildragger) landing gear.

### AIRFRAME

Fuselage Assembly, 1.7734 Steel  
Carbon Fiber Wing Assembly with integral Tank  
Carbon / Glass Hybrid Composite Empennage Structure  
Fiberglass Landing Gear Spring  
Choice of Steerable, lightweight Tailwheel or Soft Tailwheel  
Two-seat Bubble Canopy  
Titanium Firewall  
Smoke System with Automatic Filling System  
Left-hand and Right-hand Sighting Devices 45° / 90°

- Single-seat Bubble Canopy
- Lightweight Shells and Fairings Package
- Brake Fairings

### SYSTEMS

Electric Stall Warning System  
Pitot Static System Drain  
65 Amp Alternator  
12 V Battery  
Strobe / Navigation Lights at Wing Tips  
Trickle Charger Socket

- Alternate Static Port
- Glider Air Tow System
- External Power Receptacle AN2552-compatible

### POWERPLANT AND PROPELLER

Lycoming AEIO-540 L1B5, 300 hp 6-cylinder Engine  
Gomolzig, 6 in 1 Exhaust System  
Lightweight Single Oil Cooler System  
Lightweight Hose Kit, Teflon, with integrated Fire Sleeves  
Muehlbauer, MTV 9-B-C / C200-15, 3-blade Propeller  
Electric Starter  
Two Fuel Pumps (1 engine-driven, 1 electric)

- Muehlbauer, MTV 14-B-C / C190-17, 4-blade Propeller
- Lycoming-recommended Cold Weather Kit

### COCKPIT

Fixed Composite Front Seat, Contour Molded  
Adjustable Composite Rear Seat, Contour Molded  
Forward Rudder Pedals with differential Toe Brakes  
Front and Rear Seat Hooker Safety Harness with Ratchet  
2 Front and 2 Rear Bezel-operated Air Vents

- Leather Seat Upholstery front and rear
- Rear Airframe Lexane Tray
- Manually Adjustable Rudder Pedals with differential Toe Brakes

### EQUIPMENT

- Polyurethane Wing Walk Protection
- Polyurethane Elevator Protection

### FRONT PANEL INSTRUMENTATION

Airspeed Indicator  
Altimeter

- Metric Airspeed and Altimeter
- Slip and Skid Indicator upright and inverted flight
- Analog Accelerometer

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# 300 Series

## ■ Options

### REAR PANEL

Panel Layout: Aerobatic (Carbon)

#### *Rear Panel Instrumentation*

Airspeed Indicator

Altimeter

Mechanical Accelerometer

Magnetic Compass

Manifold Pressure / Fuel Flow

Oil Pressure / Temp Indicator

Fuel Gauges Center Main Tank / Wing Tank

Digital Tach with Engine Hour Meter

CHT / EGT Gauge

Alternator Warning Light

Digital Volt / Ammeter

Power Socket, 12 V, fused

Aresti Card Holder

#### *Options (Aerobatic Panel Layout)*

- Compass Relocation
- Digital Clock
- Flight Timer
- Slip and Skid Indicator
- Slip and Skid Indicator, inverted flight, w/holder if req'd.
- Engine Analyzer, JPI FS 450, JPI EDM-700 or JPI EDM-800
- Starter Warning Light
- Power Socket, 12 V, fused
- Vertical Speed Indicator

### NAVIGATION AND COMMUNICATIONS

#### *Standard Equipment*

Microphone and Headphone Sockets

ICS Push-to-Talk Wiring Front and Rear Seats

COM Antenna, in Vertical Stabilizer, w/Wiring

#### *Avionics*

COM: Becker AR 4201 with PTT Intercom

XPDR: Becker BXP 6401-2 Mode A / C / S with ext. Alt. Encoder

- ICS: High Noise Intercom with VOX and PTT Functionality
- ELT: Emergency Locator Transmitter ACK Mod. E-01

### ACCESSORIES

Tie-down Rings

- 220V and 110V Battery "Trickle" Charger Systems
- External Power Cable, extra long (4,5m/15ft), AN2552 plug
- Canopy Lock
- Canopy Cover with Extra Logo

### EXTERIOR

Standard External Paint Scheme with three Certified Colors

- Customer Paint Scheme

### AIRCRAFT DIMENSIONS

Wingspan .....	26 ft 3 in / 8 meters
Length.....	22 ft 10 in / 6.9 meters
Height.....	8 ft 7 in / 2.6 meters
Wing Area .....	115.2 sq ft / 10.7 square meters
FAA/EASA Certified Load Factor .....	+/- 10 g

### WEIGHTS

Typ. Equipped Empty Weight.....	1,455 lbs / 660 kg
MTOW Normal Category (+6/-3g).....	2,095 lbs / 950 kg
MTOW Two-pilot Acro (+8/-8g).....	1,918 lbs / 870 kg
MTOW Single-pilot Acro (+10/-10g).....	1,808 lbs / 820 kg

### AIRSPEDS

Never-exceed Speed (Vne) .....	220 kts
Maneuvering Speed.....	158 kts
Stall Speed at 1,543 lbs / 700 kg .....	55 kts
Stall Speed at 2,095 lbs / 950 kg .....	60 kts

### FUEL

Total capacity .....	45.1 gals / 171 liters
Usable Fuel .....	43.7 gals / 166 liters
Usable Fuel - Acro Tanks Only .....	12 gals / 45 liters

*\*Specifications subject to change without notice*

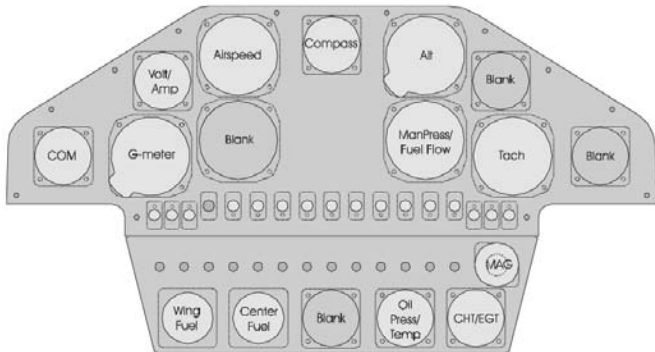
**EXTRA**  
AIRCRAFT

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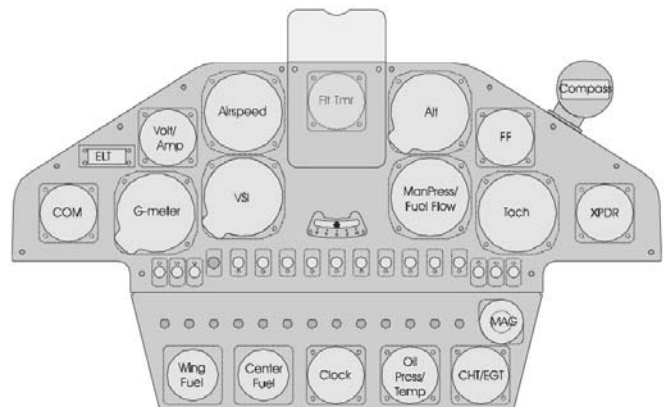
# AEROBATIC<sup>LP</sup>



## AEROBATIC PANEL (CARBON)



## AEROBATIC FULL-OPTIONS PANEL



## Standard Equipment

### FLIGHT INSTRUMENTATION

- Airspeed Indicator (kts)
- Altimeter (ft, inHg / hPa)
- Mechanical Accelerometer
- Magnetic Compass
- Aresti Card Holder

### ENGINE/FUEL SYSTEMS

- Manifold Pressure / Fuel Flow
- Oil Pressure/ Temp Indicator
- Fuel Gauges Center Main Tank / Wing Tank
- Digital Tach with Engine Hour Meter
- CHT / EGT Gauge

### ELECTRICAL SYSTEM

- Alternator Warning Light
- Digital Volt / Ammeter
- Power socket, 12 V, fused (LP only)

### AEROBATIC PANEL NAVIGATION AND COMMUNICATION

- COM: Becker AR 4201 with PTT Intercom
- XPDR: Becker BXP 6401-2 Mode A / C / S with ext. Alt. Encoder
- Intercom System - ICS, PM 1200 R Intercom, High Noise VOX / ICS, w/emergency bypass

## Optional Equipment

### AEROBATIC PANEL OPTIONS

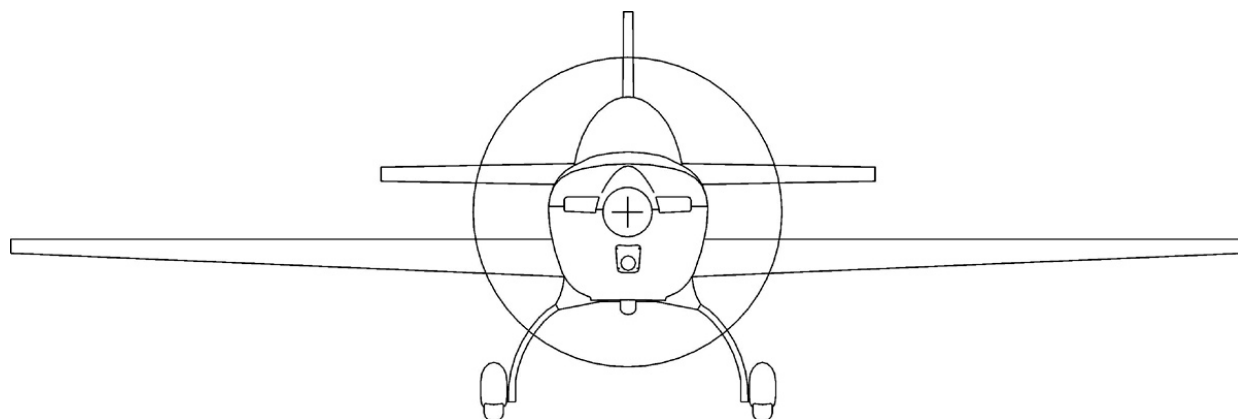
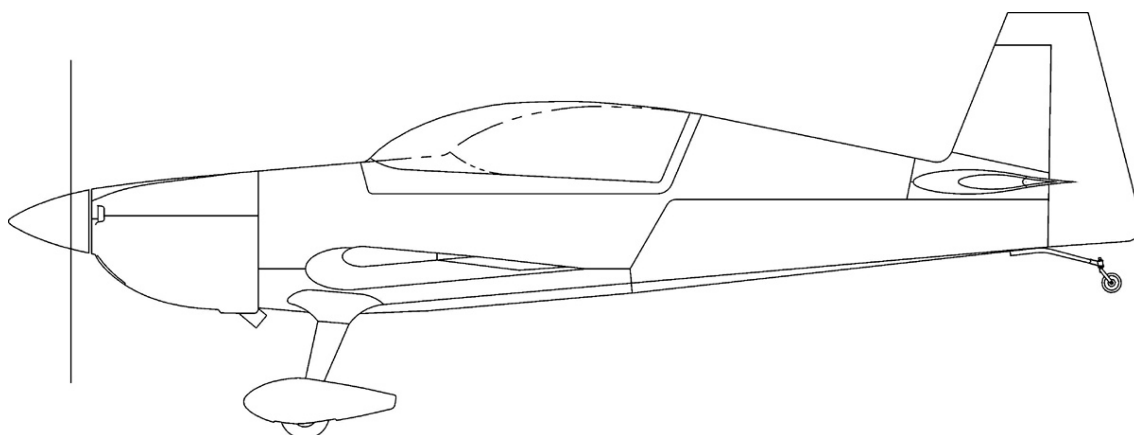
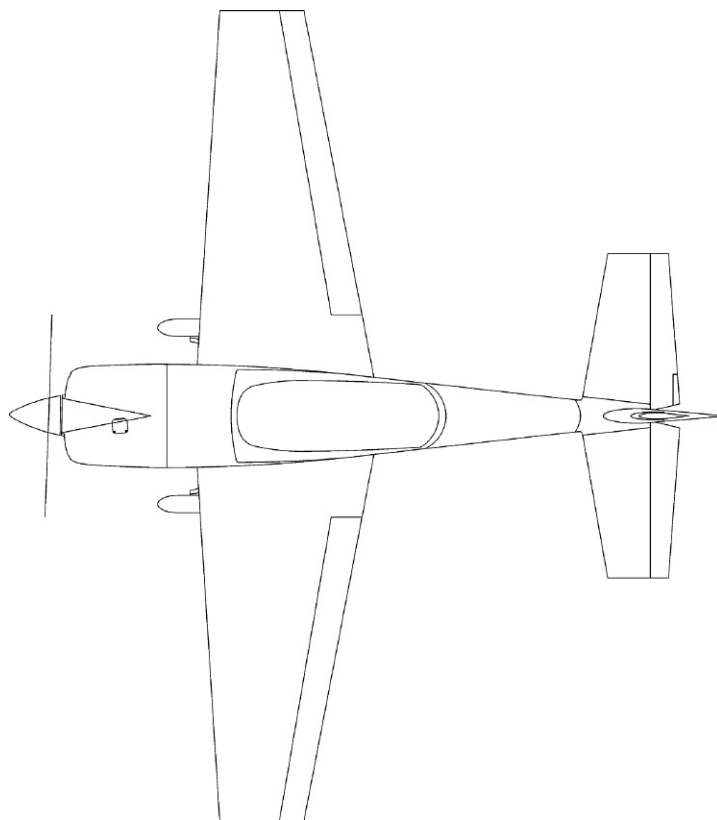
- Metric Airspeed and Altitude Indicators
- Compass Relocation
- Digital Clock
- Flight Timer
- Slip and Skid Indicator
- Slip and Skid Indicator, inverted flight, w/holder if req'd.
- Vertical Speed Indicator
- Fuel Scan, JPI FS450 (Fuel Flow)
- Engine Monitor, EDM-700, (EGT / CHT), incl. Fuel Flow
- Engine Monitor, EDM-800, (EGT / CHT, Fuel Flow, OAT, MAP, RPM, % power), incl. Oil Temp.
- Starter Warning Light

### AEROBATIC PANEL NAVIGATION AND COMMUNICATION

- Emergency Locator - ELT, ACK Mod. E-01, w/remote switch



**EA-300LP**



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