

MEET UNIQUE ENGINEERING AND AERODYNAMIC SOLUTIONS

Latest technology in composite structure built in

Economical maintenance and operational costs

Concept airframe – future proof design

Integrated advanced safety features

Vision for further development for multi role use

WORLD UNIQUE AIRCRAFT
WITH DYNAMIC SPEED RANGE

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FLAMINGO FACTS

AIRPLANE TYPE

HIGH PERFORMANCE -
BASIC TRAINER (ACRO)
WITH DYNAMIC SPEED
RANGE

ENGINE

UL POWER UL 350i SA
(ACRO inverted system)

PROPELLER

AIRMASTER WR 68 A variable
pitch propeller

PARACHUTE

BALLISTIC RESCUE SYSTEM
GALAXY - GRS 6 600 SD SPEEDY

TECHNICAL DATA

All carbon fiber
construction material.

WING SPAN
OVERALL LENGHT
AIRPLANE HEIGHT
CABIN WIDTH
SEATS

8,7 m
6,6 m
2,45 m
0,85 m
2

PERFORMANCE

ENGINE
CRUISE MAX. POWER
CRUISE 75% POWER
VNE
STALL SPEED
(flaps 36° power idle)
STALL SPEED
(flaps 0° power idle)
MANEUVERING SPEED
TAKE OFF DISTANCE
LAND DISTANCE
STOL LAND DISTANCE
RANGE 75% POWER
BEST GLIDE RATIO
G LOAD
C.G. RANGE
FUEL MOGAS AVGAS
BAGGAGE
MTOW

UL Power 350iS
291 Km/h
271 Km/h
320 Km/h
60 Km/h

67 Km/h

190 Km/h
148 m
100 m
50 m
1300 Km/h
1:17 / 120 Km/h flaps 0
+6g / -3g (1,5 safety factor)
23% - 38%
2 x 52l
25 Kg
600 Kg LSA category

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AIRCRAFT

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FLAMINGO

Flamingo is a high performance advance aircraft with the latest technology built into its design. It is easy to fly, allows basic acrobatics with loads up to +6/-3 G. Flying speed is up to 300 km/h at cruise, with low operation and maintenance costs, making it an ideal basic tandem trainer. Canopy position provides amazing outside visibility in all phases of flight.

We have integrated many safety features, including a ballistic rescue parachute and radar altimeter. Due to a new generation, custom designed laminar aero foil, airplane is capable of operating at extremely low STOL speeds while maintaining minimum pilot load in all speed ranges. Ground handling is easy with use of differential brakes and fully steerable front wheel. Low fuel consumption of 17L per hour average, and a 20 kg baggage compartment built in, makes it convenient for cross country flights.



INTERIOR & CABIN DESIGN

We think that first impression counts. Our interior design features highly polished carbon and other lightweight materials with an added touch of fine crafted leather for maximum pilot comfort and durability. Both seats are fully adjustable with convenient side pockets. 12V cigarette lighter socket and double USB ports provide plenty of options for use of additional electronic devices. Full cabin ventilation with heating is provided on both pilot positions and operated via adjustable nozzles. Two, small sliding windows provide extra comfort.

We have designed the pilot seating position with maximum comfort in mind. Both height and width make Flamingo cabin the widest and most comfortable aircraft in this category. It is completely reinforced with kevlar fiber, which provides an extra level of protection for crew in unlikely emergency situations. The control stick features military type stick handgrip leather design, including electronic trim and push-to-talk button as well as additional programmable button.



ENGINE AND PROPELLER

Flamingo is equipped with ULPOWER Aero Engines. The lightweight 130hp UL350iS features a rugged general aviation type engine design, with 4 stroke, 4 horizontally opposed cylinders with electronic multi-point fuel injection for optimal fuel consumption. Engine features a direct propeller drive with electronic RPM limiter as well as many other latest engine design features including inverted oil system for acrobatic flying.

Propeller power is provided by Air-master High Performance Propeller Systems (designed specifically for ULPower 350iS engine) featuring AP521CTF-WWR68A two blade, 68in diameter, clockwise, tractor configuration design, including precision pitch change mechanism that works in both manual an automatic modes for minimal pilot workload and maximum efficiency.

SAFETY

Safety first, right? Beside the latest design techniques and materials used for both fuselage and wing production, our production technology allows us to manufacture all parts in controlled environment with exact temperature and process control in all phases of production. All the materials and parts used, are delivered by proven aerospace companies with years of experience and excellent safety records.

Our goal is to provide you with an airplane featuring latest security functions including a GRS Galaxy double ignition ballistic parachute system, designed purposefully for the fastest possible opening in case of emergency, which enhances the potential of a rescue of the crew and the aircraft, from the lowest possible height. We certainly hope that you will never need it, but it's there just in case it happens. Optionally, with Garmin systems an autopilot option is also available. All LED lights provide perfect visibility of your Flamingo to both pilots flying near you and those on the ground, while preparing for departure.



AVIONICS

Both pilot positions are fully equipped with LxNav equipment including vario, airspeed and altimeter electronic instruments.

Front panel features 7" Zeus 7.0 LX-Nav multifunction display for navigation and engine monitoring, logging and reporting, while back position is equipped with 5" system as well as basic flight instruments. Optionally, it is also possible to install any other avionics package configurations.

CERTIFICATION

Available as a factory built experimental or as a kit. LSA certification in pending.

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FLY FLAMINGO

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