

SKY ARROW 600 SPORT



THE ITALIAN ANSWER TO THE NEW LIGHTSPORT AIRCRAFT RULE

The Sky Arrow 600 Sport joins the wide different versions of Sky Arrow family including a FAR23 certified aircraft.

The Sky Arrow 600 Sport has been designed and manufactured to fully comply with the new Light Sport Aircraft (LSA) category issued by FAA and EAA and aiming to make personal flight more accessible but safe. The Sky Arrow 600 Sport is the result of Iniziative Industriali Italiane SpA long and successful experience in manufacturing FAA/FAR23 certified air vehicles.

The aircraft equipment has been simplified in order to have the same airframe as the certified (n = +4g / -2g) thus making a strong yet lightweight machine.

MODERN DESIGN, HI-TECH CONSTRUCTION, EXCEPTIONAL STRENGTH AND LOW PRICE.

The Sky Arrow 600 Sport is easy to fly with superb visibility and low operating costs. It is an outstanding personal aircraft, as well as an excellent trainer. Manufactured with carbon fibre sandwich, the airframe is extremely strong (8g's at 54°C as the result of static tests) yet lightweight, thus resulting in an aircraft with exceptional take-off and flight performance.

The corrosion-free composite construction allows the aircraft to operate in extreme temperature conditions (-25°C / +54°C // -12°/+130° FAR) and with over 85% humidity.

The aircraft gear has been designed to have the highest take-off and landing performance with any ground, even extremely difficult, in case of emergency. The aircraft is equipped with foot brakes.

PARTS MODULARITY

Unique to these aircraft is their modular construction philosophy. Wings, horizontal tail-plane, instrument panel, powerplant

and electric system: each of these elements can be easily and quickly detached from the aircraft. Maintenance operations are therefore simplified thus minimizing down time and cost.

RELIABLE, MODERN, ECONOMICAL ROTAX 912 ENGINE

The 100hp Rotax 912 is the benchmark powerplant for the latest generation of UL/AUL aircraft, as well as the new Sky Arrow 600 Sport. It delivers 25% more power than its predecessor, while keeping fuel consumption at sipping levels.

With a cruise speed of about 100 kts, you still burn less than 5GPH, either of automotive fuel or 100LL.

This aircraft is approved for a 1,320 lbs (599 kgs) MTOW.

ERGONOMIC CABIN, COMPLETE PANEL

The wrap-around canopy, comfortable seats with plenty of headroom and dual side stick controls provide exceptional comfort and visibility for both pilot and second pilot/passenger. The tandem configuration of our Sky Arrow is typical of military trainer aircraft and has got extremely beneficial psychological effect on student pilots. Since the trainee feels "alone" from the moment he is sitting on the front, even with the instructor in the rear, he does not face the "side empty seat" shock on his first solo flight.

ENJOY THE:

- Complete instrument panel
- Electric flap and elevator trim
- Low cockpit noise level
- Baggage space

And you will be proud to fly a really exceptional aircraft at a really competitive price.



POWERPLANT	
ENGINE	ROTAX 912 ULS 98 hp (73,5 KW) @ 5.800 rpm (*)
PROPELLER	3 blades, ground adjustable pitch
SPECIFICATION	
LENGTH	24,9 ft (7.6 m)
HEIGHT	8,4 ft (2,6 m)
WING SPAN	31,5 ft (9,7 m)
WING AREA	145 sq ft (13,5 m2)
SEATS	2, tandem configuration
STANDARD EMPTY WEIGHT	840 lbs (380 kg)
MAX TAKE OFF WEIGHT	1.320 lbs (599 kg)
MAX FUEL CAPACITY	26.4 gals / 25.8 gals usable (100 lt / 97.5 lt usable)
FUEL SPECIFICATION	Mogas MON 91 oct. unleaded or Avgas 100LL
PERFORMANCE (@ MTOW, ISA conditions, sea level)	
NEVER EXCEED SPEED (VNE)	132 kts (152 MPH 244 km/h)
MAXIMUM SPEED	110 kts (127 MPH 204 km/h)
CRUISE SPEED (@ 75% power)	95 kts (109 MPH 176 km/h)
STALL SPEED (30° Flaps DN)	38 kts (44 MPH 68 km/h)
RATE OF CLIMB	1.100 fpm (5.6 m/s)
TAKE OFF ROLL	470 ft (143 m)
TAKE OFF DISTANCE over 50 ft obstacle	890 ft (270 m)
LANDING ROLL	360 ft (110 m)
LANDING DISTANCE over 50 ft obstacle	660 ft (201 m)
SERVICE CEILING	13.500 ft (4.100 m)
FUEL CONSUMPTION (@ 75% power)	4,9 gals/h (18,5 lt/h)
ENDURANCE (@ 75% power, no reserve)	5h 20'
MAX RANGE (@ 75% power, no reserve)	501 NM (576 M 927 km)

STANDARD CONFIGURATION

POWERPLANT	
Engine: Rotax 912 ULS 98 Hp (4 stroke, 4 cylinder)	x
Propeller: three-blade, ground-adjustable-pitch, composite	x
Carburetor Heating System	x

FLIGHT INSTRUMENTATION	
Magnetic Compass (TSO'd)	x
Sideslip indicator	x
Turn coordinator (TSO'd)	x
Airspeed indicator (TSO'd)	x
Altimeter (TSO'd)	x
Vertical speed indicator (TSO'd)	x
Longitudinal trim indicator	x
Hour meter	x
Intercom (TSO'd)	x
12 V standard socket	x
Stall warning system (TSO'd)	x

ENGINE INSTRUMENTATION	
Tachometer	x
Fuel quantity indicator	x
Oil pressure indicator	x
Oil temperature indicator	x
Cylinder head temperature indicator	x

AIRFRAME	
Weather resistant white finish	x
Clear canopy with air vents, sliding side window and lock	x
Removable aft windows	x
Non-Skid floor with map/glove compartment box	x

AUXILIARY ACCESSORIES	
Fuel level measuring stick	x
Fuel inspection cup	x
Yaw control gust-lock	x
Plugs for static ports and pitot tube cover with "Remove Before Flight" streamer	x
(2) aileron padded locks with "Remove Before Flight" streamer	x

OPTIONALS	
Advanced Glass Cockpit (Hi resolution GPS, gyro and Synthetic Vision System, flight data recorder with playback capability)	
Attitude Indicator Electric (TSO'd)	
COM Bendix - King KY-97A or Icom IC-A200 (TSO'd)	
Transponder Bendix -King KT-76A or Garmin GTX-327 (Encoding Altimeter included) (TSO'd)	
GPS Garmin 296 panel mounted (TSO'd)	
OAT indicator (TSO'd)	
Adjustable engine baffle and aux cooling fans	
Cabin heating system and canopy demisting	
Strobelights	
Main Wheel fairings	
Baggage containers (Under and behind the rear seat)	
ELI (TSO'd)	
Disabled pitots kit (see photo)	
Fire extinguisher	
Water proof white canvas for canopy	
Water proof white canvas for engine	
Stakes and ropes for A/C tie down	
Exclusive ARROW Headsets kit	



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