



SOVA

Selective trainer and utility aircraft



Description

U75 A41M "SOVA" is an upgraded version of the basic Utva 75 airplane, intended for initial training (and selection), sport flying and tourism. Optionally the airplane can be used for reconnaissance, aero-photo shooting, and other operations. It can also carry weapons if furnished with appropriate equipment. "SOVA" is a single engine, low wing airplane, full metallic "semimonocoque" type structure, with engine cowling and wing tips made of composite materials. The airplane is a four-seater in "side by side" configuration, with fixed landing gear. The configuration of the landing gear allows landing on concrete and prepared grass runways. The airplane is equipped with single four cylinder, air cooled engine "LYCOMING IO-390-A3 A6", and with a constant speed propeller "HARTZELL HC-C2YR-1BFP/F 7894".

Certification

U75 A41M "SOVA" is designed and manufactured by Utva Aircraft Industry which holds the NCAO Part 21 G Production Organization Approval, and is in process of obtaining the NCAO Part 21 J Design Organization Approval. The airplane is in certification process under EASA CS-23 normal (with mtow = 1250kg), and utility (with mtow = 1050 kg) category.



Weight and dimensions:

- Maximum take off weight 1200 kg / 2645.50 lbs
- Weight of empty aircraft, equipped 750 kg / 1653.50 lbs
- Wing surface area 15.10 m² / 162.54 ft²
- Wing span 9.80 m / 32.20 ft
- Aircraft length (overall) 7.11 m / 23.30 ft
- Height 3.15 m / 10.30 ft
- Wheel base 1.94 m / 6.40 ft
- Wheel track of tread 2.58 m / 8.50 ft



Flight performance:

- Maximum horizontal speed at s/l 230 km/h / 118 knts
- Stalling speed "flaps up", idle 105 km/h / 54 knts
- Stalling speed "flaps down", idle 95 km/h / 49 knts
- Best climb 150 km/h / 77 knts
- Maximum rate of climb at S/l 5 m/s (787 ft/min)
- Service ceiling 3200 m / 10.500 ft
- Take-off distance over 15 m (50ft) 665 m / 2180 ft
- Landing distance from 15 m (50ft) 440 m / 1440 ft
- Endurance (economy speed) 4.2 hours
- Flying range 675 km / 365 nm



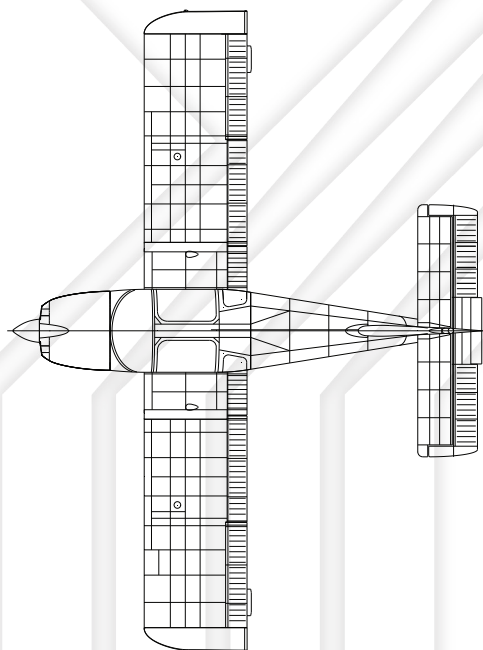
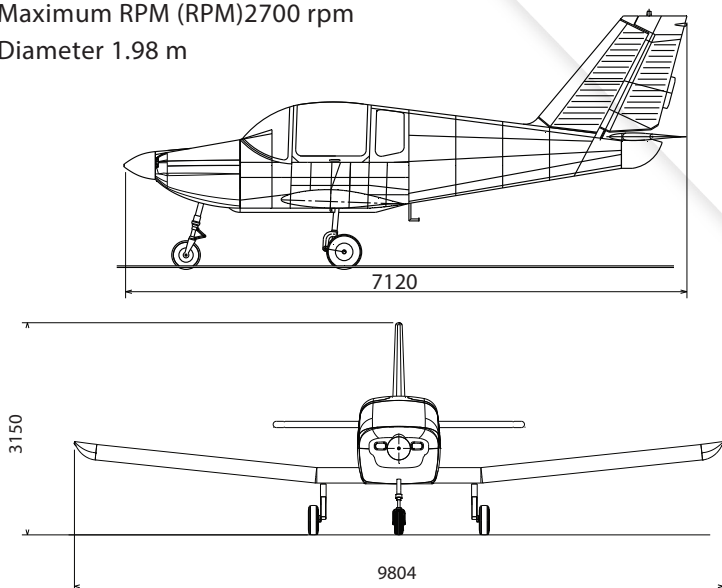
Power plant:

- Motor Lycoming IO-390- A3 A6
- Four cylinder
- Boxer configuration
- Air cooled, direct injection
- Maximum constant power, 154.40 kW, 210 hp
- Cruise power 75%, 115.80 kW, 157.50 hp
- Economy power 65%, 110.40 kW, 136.50 hp



Propeller:

- Two-blade, all-metal, constant speed Hartzell HC-C2YR-1BFP/F7894
- Maximum RPM (RPM)2700 rpm
- Diameter 1.98 m



Should you have any further enquires, please do not hesitate to contact us at office@yugoimport.com

All the data given in the brochure are for information purposes only. The final configuration and/or technical specification are defined for each contract individually.