



01 / SYSTEM OVERVIEW

SOVA

SOVA selective trainer and utility aircraft



FIG 01 PRODUCT CONFIGURATION

230 km/h

MAXIMUM HORIZONTAL SPEED AT SEA LEVEL

1200 kg

MAXIMUM TAKE-OFF MASS

750 kg

EQUIPPED EMPTY MASS

15.10 m²

WING SURFACE AREA

01.1 / OVERVIEW

A single-engine, low-wing, four-seat aircraft of semi-monocoque metal construction with fixed landing gear, intended for initial training and pilot selection, sport flying and tourism, and optionally for reconnaissance, aerial photography or carriage of weapons.

TYPE

Aircraft

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



TECHNICAL DATA

SOVA / WEAPON SYSTEM

DIMENSIONS AND MASS

Maximum take-off mass	1200 kg
Equipped empty mass	750 kg
Overall length	7.11 m
Height	3.15 m
Wheel track	2.58 m

PERFORMANCE AND OPERATION

Maximum horizontal speed at sea level	230 km/h
Stall speed, flaps up, idle	105 km/h
Stall speed, flaps down, idle	95 km/h
Best-climb speed	150 km/h
Maximum rate of climb at sea level	5 m/s
Endurance at economy speed	4.2 hours
Flying range	675 km
Maximum propeller speed	2700 rpm



TECHNICAL DATA

SOVA / WEAPON SYSTEM

ADDITIONAL TECHNICAL DATA

Wing surface area	15.10 m2
Wing span	9.80 m
Wheel base	1.94 m
Service ceiling	3200 m
Take-off distance over 15 m	665 m
Landing distance from 15 m	440 m
Engine	Lycoming IO-390-A3 A6
Engine configuration	Four-cylinder boxer, air cooled, direct injection
Maximum continuous 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
Propeller diameter	1.98 m