



The SHARK Individual plane is the fastest ultralight aircraft in the world with already achieved 5 world speed records in its category. Attacks maximum cruising speed 290 km/h with perfect handling at all range of speeds, maneuvers and flight situations. This allows you to control the plane at all conditions and gives you a feeling of freedom and power, like you are a true Shark in the air. Each SHARK individual airplane is UNIQUE, one and only in the world, equipped and customised according to specific customer requirements. With SHARK individual, YOU become UNIQUE.



Technology:

We use the highest quality carbon-fibre material with PrePreg and sandwich laminating technology used in the plane airframe construction, with respect to all present-day aircraft production and assembly norms and regulations. This means less weight and more strength with perfect safety standard and enables the plane be the PREDATOR in its category worldwide. SHARK individual means the new dimension of the flight experience.



Interior:

Stylish, modern and ergonomic well-proved aircraft interior all fashioned from superior quality functional and comfortable leather material. Includes height adjustable seatings, ergonomic and high-quality instrument panel and highest quality cockpit canopy with excellent visibility what gives you amazing experience from each flight in this plane.



Instrument panel:

Perfectly designed and ergonomically optimized aircraft instrument panel has been created by the well-experienced interior designers and is produced with all respect to quality and functionality. Equipped with wide-range of analogue and digital up-to-date avionics up to full glass-cockpit standard.



Sidestick:

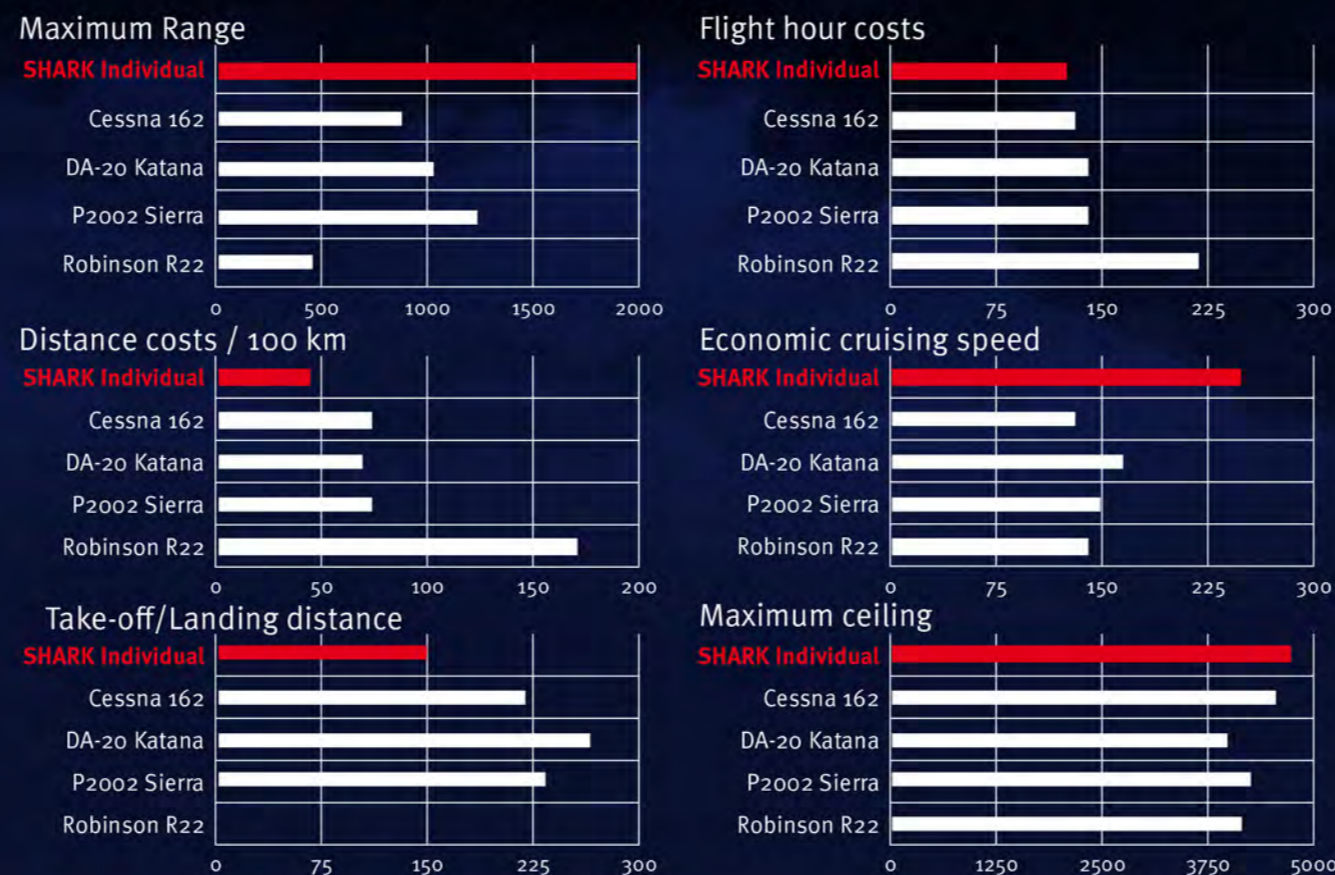
State-of-the-art control sidestick has been specially designed by the former military fighter-jets pilots and ergonomically shaped by interior experts exclusively for right hand equipped with dual-control elevator trim, left-hand throttle lever, steerable nose gear, pilot and co-pilot brakes and EFIS system, electrical wing flaps and retractable landing gear gives you feeling that you fly with the true fighter-jet into the real combat mission.



Safety:

The modern construction of the aircraft airframe designed by well-experienced designers and engineers used last aircraft design knowledge, superior quality carbon-fibre and sandwich composite material altogether with high-quality controlled production and assembly technology. Rigid monocoque central fuselage together with installation of up-to-date well-proven reliable ballistic recovery system (BRS) Galaxy Speedy ensure the highest-standard of aircraft safety and crew protection during all flight regimes. Emergency locator transmitter (Kannad) installation option for the most safety flying feeling.

Comparison of hark individual plane main characteristics with its potential competitors:



Potential competitors of SHARK Individual plane main characteristics comparison:

Type of aircraft/helicopter:	Shark Individual	Cessna 162	DA-20 Katana	P2002 Sierra	Robinson R22
Maximum Range	2.000 km	870 km	1.015 km	1.180 km	450 km
Flight hour costs	120 €/fh	90 €/fh	100 €/fh	95 €/fh	220 €/fh
Distance costs /100 km	45 €/100km	64 €/100km	62 €/100km	63 €/100km	170 €/100km
Economic cruising speed	250 km/h	140 km/h	160 km/h	150 km/h	130 km/h
Take-off/Landing distance	150/120 m	220/180 m	250/210 m	230/190 m	0/0 m
Maximum ceiling	4.800 m	4.700 m	4.000 m	4.500 m	4.300 m

Main hark individual aircraft performance and technical information:

Specification	SHARK Individual
Wingspan	7,9 m (25,9 ft)
Length	6,7 m (22,0 ft)
Height	2,3 m (7,55 ft)
Wing area	9,5 m ² (102 ft ²)
Stalling speed	65 km/h (35 kts)
Maximum speed at horizontal flight	300 km/h (162 kts)
Cruising speed	250 - 270 km/h (135 - 156 kts)
Never exceed speed V _{NE}	333 km/h (180 kts)
Engine output (Rotax 912 ULS)	73,5 kW (100 hp)
Climb rate capability	9,8 m/s (1.930 ft/min)
Fuel consumption	18 l/fh (4,5 gal/fh)
Fuel tanks volume	100 - 150 l (27 - 40 gal)
Approach speed	80 km/h (43 kts)
Maximum take-off weight	600 kg
Empty weight	300 kg
Maximum range	2.000 km
Maximum ceiling	4.800 m
Take-off/Landing	150/120 m
Maximum load factor	+4/-2

