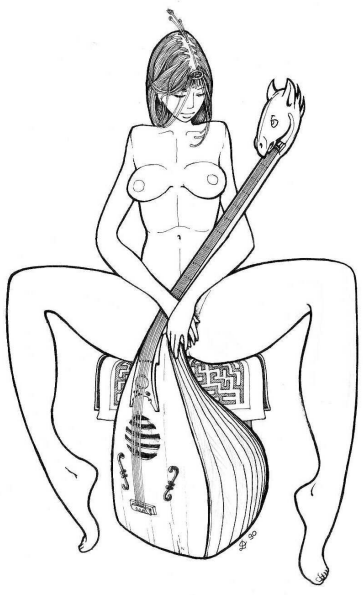

P-27 Skyster

Side-by-side two-seat light sport aircraft, designed according to the Czech, Germany UL and US LSA requirements.

All metal light mid-wing with riveted aluminum alloy airframe, composite fuselage fairing and 3-wheel undercarriage.

Fuselage has a simple all-metal airframe. Central aluminum alloy tube ∅120x2 creates the base for engine mounting in the front, welded steel tubes cockpit airframe and riveted cross beam with wing and landing gear hinges in the central part and the tail beam supporting conventional tail surfaces in the rear .

Composite fuselage fairing with smooth transition to the wing creates natural aerodynamic shape – created to look like good shaped composite superb.

One-piece forward opened canopy is supported by gas braces.

Wing leading edge is in the position of your arms, so you can feel really as a bird.

All metal semi-monocoque WINGS with main spar riveted by classic solid rivets and the rest by blind rivets (through the glue) from aluminum alloy sheets, profiles and pressed ribs. Wings have ailerons and 60% span „folding type“ flaps with 15° and 30° deflection, hinged on the piano hinge. Wing is simply dismountable.

All metal cross-type **Tail**, with stabilizer connected on keelson aluminum alloy fuselage tube hinges by 2 pins and 2 bolts. **Elevator** with electrically controlled trim-tab, **Rudder** controlled by wires in plastic tubes.

Tricycle type **landing gear**, with steerable 12x3" nose wheel and composite leg of main undercarriage. 16x4" main wheels have hydraulic disc brakes, controlled by central lever . Toe brakes for option.

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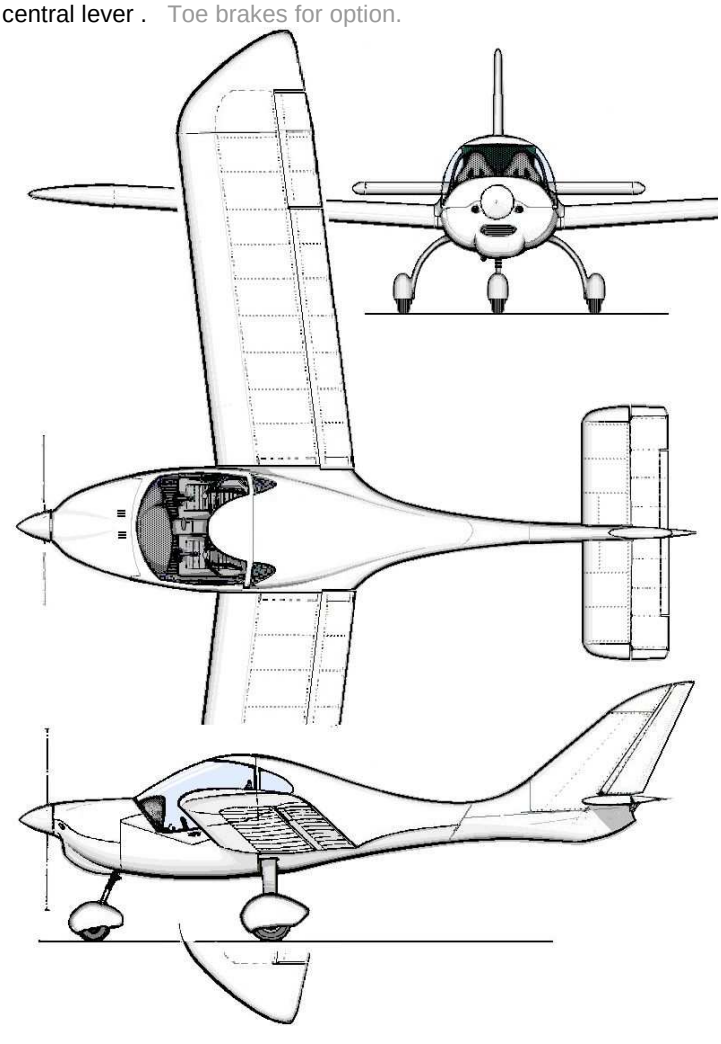

Wing span	**9,8**	**m**	**LSA**
Length	**7.3**	**m**	
Height	**2,3**	**m**	
Wing area	**11,5**	**m^2**	
Empty weight	**275 - 295**	**kg**	
	according to equipment		
Max. take-off weight	**480**	**kg**	**600 kg**

Engine ROTAX 912 UL / 912 ULS

Max. power **80 / 100 HP** by 5800 rpm

Max. permissible speed	V_{NE} **250**	**km/hr**	
Max. cruising speed	V_C **200 / 220**	**km/hr**	
Stall speed	**72**	**km/hr**	**82**
Stall speed with flaps	**64**	**km/hr**	**73**
Max. climb rate	**3 / 6**	**m/s**	

Maximum load factor + 4 / -2