

PS-28
CRUISER



**THE
LEGEND
CONTINUES**

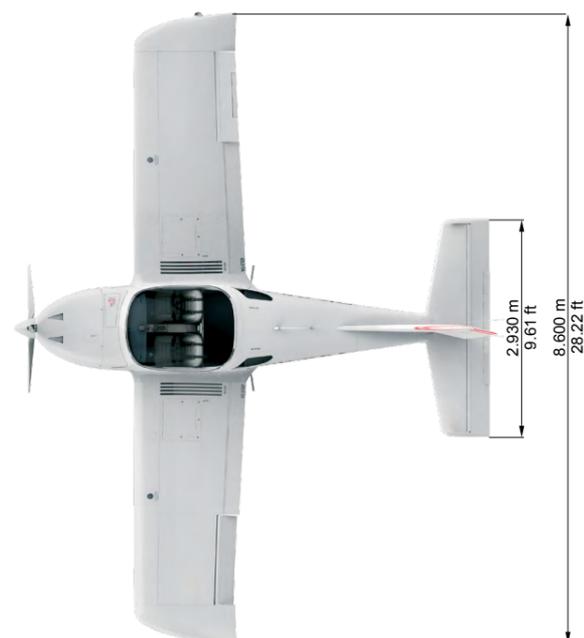


**CZECH SPORT
AIRCRAFT**

THE CURRENT PRODUCTION OF CZECH SPORT AIRCRAFT COMPANY COMPRISES THE SPORTCRUISER AND THE PS-28 CRUISER LIGHT SPORT AIRCRAFT.

PRODUCT OVERVIEW

The current production activity of Czech Sport Aircraft comprises the PS-28 Cruiser and the SportCruiser Light Sport Aircraft. Both types are double-seat aircraft of full metal construction, arranged as low wing mono-planes with cantilevered wings and conventional empennage. The PS-28 Cruiser and SportCruiser are essentially differentiated in terms of certification and thus market application. Almost 600 units of PS-28 Cruiser and SportCruiser have been



already produced and delivered to customers in more than 30 countries all around the world. The PS-28 Cruiser is type certified by EASA for VFR Day operations according to the CS LSA regulation and can be fully commercially operated in all EASA countries as well as in other countries accepting EASA certification or where the PS-28 Cruiser has been certified by local CAA. The aircraft serves as a perfect platform for basic and advanced flight training, air clubs, basic military pilot training, general recreational use and air tourism.

The new benchmark for flight training

Current statistics show that over 50% of aircraft built by Czech Sport Aircraft are used by flight schools and air clubs in the basic and advanced training role as well as for time building. The PS-28 Cruiser has brought new possibilities and a breath of fresh air to the European flight training market since obtaining EASA type certification in April 2012. Since then the aircraft has already achieved noticeable success and is currently used in many European countries training the pilots of tomorrow. This modern state-of-the-art aircraft provides significant operational benefits to flight training organizations and air clubs as well as it offers attractive modern alternative for the new generation of pilots when compared to the aging training fleets across Europe. The excellent flight characteristics of the aircraft and its robust construction are perfectly suited to entry-level students and this makes the PS-28 Cruiser the ideal platform for training purposes. Due to the highest standards of safety, superior performance, easy maintenance and low through-life operating costs the PS-28 Cruiser has quickly established itself as the new benchmark for flight training throughout Europe.

Low operational costs

Life cycle costs represent one of the major considerations in the decision making process for the acquisition of a new aircraft. The new generation PS-28 Cruiser has proved to have the lowest operational costs in its class, so providing considerable economic benefits in flight school operations compared to older or different category aircraft. Together with a very competitive acquisition price and integration of modern technologies this all makes the PS-28 Cruiser a very attractive proposition for all user groups.

Maintenance-friendly

Due to the intelligent construction of the aircraft coupled with certain specific design features and applied technologies, the PS-28 Cruiser is perceived by operators to be a highly maintenance-friendly aircraft. The associated simplified procedures make the PS-28 Cruiser an ideal solution specifically for flight schools and operators of large aircraft fleets.

Solid and reliable construction

Czech Sport Aircraft currently holds both Production Organisation Approval and Design Organisation Approval from the European Aviation Safety Agency (EASA). The company's technological excellence and dedication to innovation make Czech Sport Aircraft a leader in the Light Sport Aircraft segment of the General Aviation market. Due to the choice of materials and processes involved in the PS-28 Cruiser production, the aircraft has a very robust and highly reliable construction perfectly suited to exploitation in a flight training role.

Most spacious & refined cockpit in its class

The PS-28 Cruiser boasts by far the most spacious and ergonomic cockpit in its class and a level of comfort and refinement that is second to none. The choice of first-class fabric and leather upholstery, advanced on-board climate control and defogging systems together with the easy control and high endurance of the aircraft provide for the PS-28 Cruiser being widely recognized as a true cross country aircraft.

Flexibility of luggage space guaranteed

With the unique baggage lockers integrated into both wing sections together with the spacious baggage compartment located in the rear of the cockpit, the PS-28 Cruiser will always guarantee optimum flexibility for that weekend away. Each individual wing locker is capable of accommodating up to 10kg of luggage, thus providing the possibility to transport up to a total of 38kg of luggage depending on available useful load.



EQUIPMENT

- 2x SkyView SV-D1000 MFD screens, both with back-up battery SV-BAT-320
- Air Data, Attitude, Heading Reference System SV-ADAHRS-200
- SkyView SV-GPS-250 built-in GPS
- Navigation Software SV-MAP-270
- Engine Monitoring Module SV-EMS-220
- Outside Air Temperature Probe
- Back- Up 2 1/4" Air Speed Indicator
- Back- Up 2 1/4" Altimeter Indicator
- Pitch Trim Indicator on MFD
- Aileron Trim Indicator on MFD
- VHF + NAV/COM
- Transponder (Mode S, Class 2)
- Intercom
- ELT
- Stall Warning
- Ballistic Recovery System (*)
- Advanced Cabin Heating & Defogging System (*)

(*) Optional Equipment

TECHNICAL SPECIFICATIONS

Engine	Rotax 912 ULS2 / S2
Power	73.5 kW, 100 HP at 5800 RPM
Fuel	Mogas RON 95 Avgas 100 LL, EN 228
Propeller	Woodcomp Klassic 170/3/R Sensenich Fixed 3-blade (*)
Wingspan	8.6 m (28.22 ft)
Length	6.62 m (21.72 ft)
Height	2.315 m (7.60 ft)
Wing surface area	12.3 m ² (132.4 sq ft)
Cockpit width	1.17 m (3.85 ft)
MTOW	600 kg (1,320 lbs)
Empty weight	388 kg (855.4 lbs)
Max. baggage weight in cockpit compartment	18 kg (40 lbs)
Max. baggage weight in each wing locker	10 kg (22 lbs)
Cruise speed at 3,000 ft and 75% power	93 KIAS (172 km/h)
Max. horizontal speed	119 KIAS (220 km/h)
V _{NE}	138 KIAS (255 km/h)
Stall speed V _{SO}	31 KIAS (55 km/h)
Climb rate	825 ft/min (4.2 m/s)
Take-off distance to 50 ft (15 m)	
Concrete	1,270 ft (387 m)
Grass	1,499 ft (457 m)
Braking distance	
Concrete	479 ft (146 m)
Grass	364 ft (111 m)
Range (30 min. reserve)	516 NM (953 km)
Endurance	5 hours 25 min
Fuel capacity	114 l (30 US gal.)
Average fuel consumption	17.5 l / 1 hour (4.6 US gal. / 1 hour)

(*) Optional Equipment



**CZECH SPORT
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EUROPEAN UNION
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