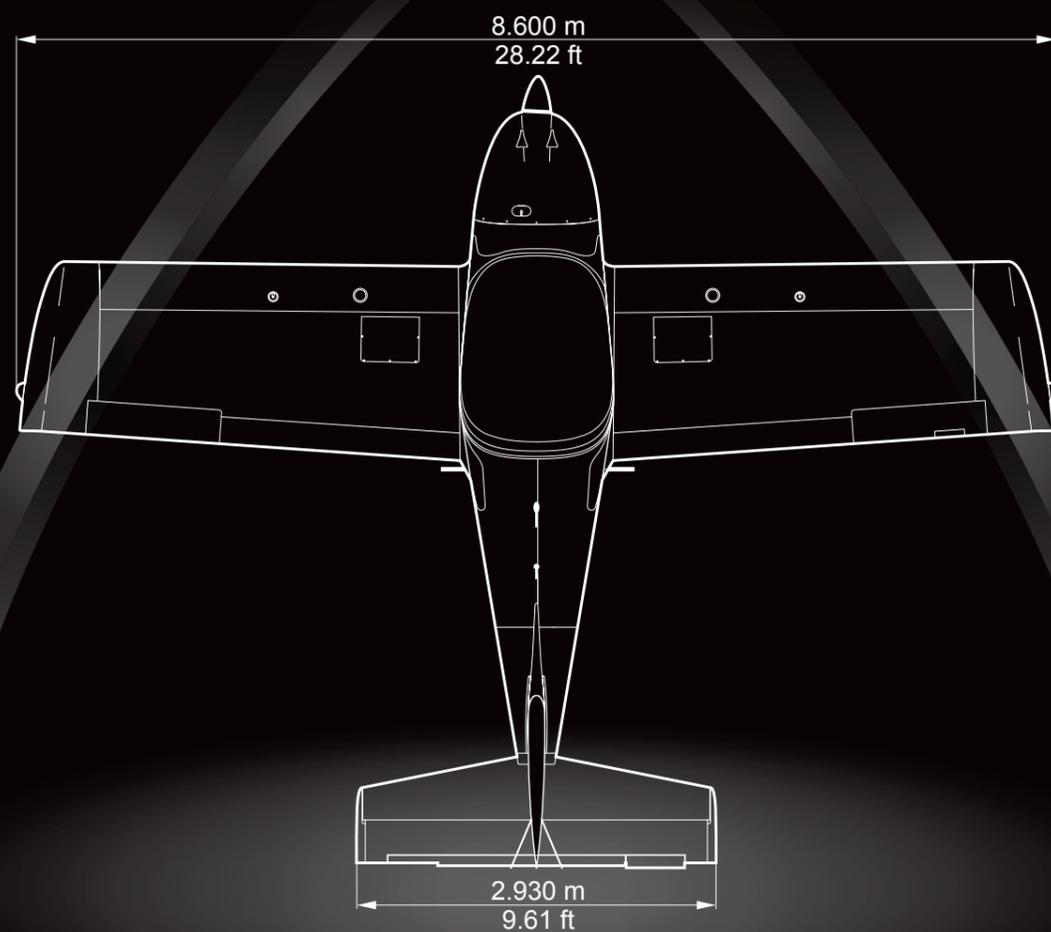
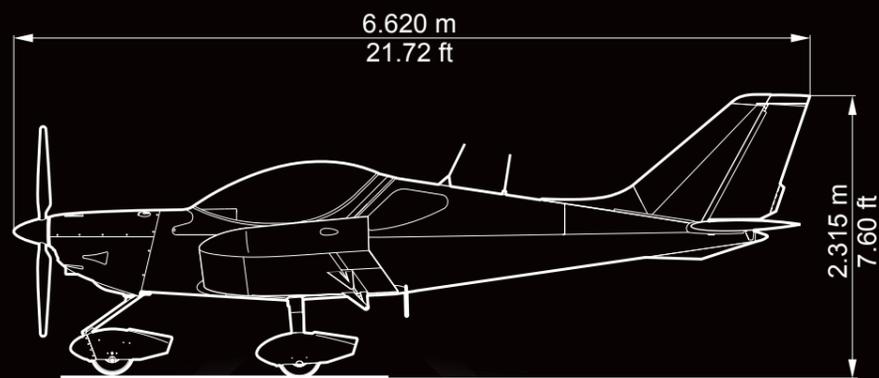




CZECH  
SPORT AIRCRAFT



PS-28  
**Cruiser**

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## TECHNICAL SPECIFICATION

Engine:	Rotax 912 ULS2 / S2	Cruise speed at 3000 ft and 75% power:	93 KIAS (172 km/h)
Power:	73.5 kW, 100 HP at 5800 RPM	Max. horizontal speed:	119 KIAS (220 km/h)
Fuel:	Mogas RON 95, Avgas 100 LL, EN 228	V <sub>NE</sub> :	138 KIAS (255 km/h)
Propeller:	Woodcomp Klassic 170/3/R	Stall speed V <sub>SO</sub> :	31 KIAS (55 km/h)
		Climb rate:	825 ft/min (4.2 m/s)
Wingspan:	8.6 m (28.22 ft)	Take of distance to 50 ft (15 m):	
Length:	6.62 m (21.72 ft)	Concrete:	1270 ft (387 m)
Height:	2.315 m (7.60 ft)	Grass:	1499 ft (457 m)
Wing surface area:	12.3 m <sup>2</sup> (132,4 sq ft)	Landing distance:	
Cockpit width:	1.170 m (3,85 ft)	Concrete:	1188 ft (362 m)
MTOW:	600 kg (1323 lbs)	Grass:	1109 ft (338 m)
Empty weight (minimum equipment):	374 kg (824.5 lbs)	Range (30 min. reserve):	512 nm (948 km)
Max. baggage weight in rear compartment:	18 kg (40 lbs)	Endurance:	5 hours 26 min
Max. baggage weight in each wing locker:	10 kg (22 lbs)	Fuel capacity:	114 l (30 US gal.)
		Average fuel consumption:	17.5 l (4.6 US gal./1 hour)

## PS-28 CRUISER OVERVIEW

The PS-28 Cruiser is Type Certified for VFR Day operations according to EASA LSA regulations and can be fully commercially operated in EASA countries or in countries where the PS-28 Cruiser obtained local CAA Type Certification. In April 2012, the PS-28 Cruiser became the very first aircraft to receive certification in the brand new category of Light Sport Aircraft within European General Aviation.

The PS-28 Cruiser is the perfect platform for basic and advanced flight training, air clubs, basic military pilot training, recreational use and air tourism.

### THE NEW BENCHMARK FOR FLIGHT TRAINING

The PS-28 Cruiser is used extensively for flight training in Europe. Current statistics show that around 30% of aircraft delivered by Czech Sport Aircraft are used by flight schools in a basic and advanced training role as well as for time building.

The excellent flight characteristics of the aircraft and robust construction of the airframe are perfectly suited to entry-level students and this makes the PS-28 Cruiser the ideal platform for training purposes. In addition, the highest standards of safety, superior performance, ease of maintenance and the lowest through-life operating costs in the Light Sport Aircraft segment, has resulted in the PS-28 Cruiser quickly establishing itself as the new benchmark for flight training.

The facts on the market today clearly confirm the leadership of the PS-28 Cruiser within this important segment of the Light Sport Aircraft market. As of December 2012, the PS-28 Cruiser was being used by more than 10 flight schools in Europe. When evaluating the success of the PS-28 Cruiser within Europe, it is important to consider that the aircraft only received EASA type certification in April 2012.

### MOST SPACIOUS & ERGONOMIC COCKPIT IN LIGHT SPORT AIRCRAFT CATEGORY

Boasting the most spacious and ergonomic cockpit in the Light Sport Aircraft category and a level of comfort that

is second to none, together with ease of control and endurance, the PS-28 Cruiser is widely recognised as a true cross-country aircraft.

### FLEXIBILITY OF LUGGAGE SPACE GUARANTEED

Due to unique baggage lockers in both wing sections of the aircraft as well as a spacious baggage compartment located in the rear part of the cockpit, the PS-28 Cruiser will always guarantee great flexibility for that weekend away. Each individual wing locker is able to accommodate up to 10 kg of luggage, providing the possibility to transport up to a total of 38 kg of luggage depending on available useful load.

### ROBUST CONSTRUCTION

Czech Sport Aircraft is dedicated to innovation and technological excellence in its production processes. Due to the choice of materials and processes involved in the production of the PS-28 Cruiser, the aircraft boasts a very robust construction.

### MAINTENANCE-FRIENDLY AIRCRAFT

Due to the intelligent construction of the aircraft coupled with certain elements of design and applied technologies, the PS-28 Cruiser is a very maintenance-friendly aircraft. The associated simplified procedures makes the PS-28 Cruiser an ideal solution for flight schools and operators of large fleets.

### LOWEST OPERATIONAL COSTS IN LIGHT SPORT AIRCRAFT CATEGORY

Through-life costs are a major consideration in the decision-making process for the acquisition of a new aircraft. The PS-28 Cruiser represents the lowest operational costs in the Light Sport Aircraft category. Together with the most competitive acquisition price in its class, this makes the PS-28 Cruiser a very attractive proposition for all user groups.

## EQUIPMENT



### PS-28 Cruiser Classic

- Airspeed Indicator
- Altitude Indicator
- Vertical Speed Indicator
- Artificial Horizon
- Turn and Bank Indicator
- Directional Gyro
- Magnetic Compass
- VHF COM Radio
- Transponder S-mode, Class 2
- Intercom
- GPS Garmin Aera 500
- ELT 121.5 MHz, 243.0 MHz, 406 MHz
- Engine RPM Indicator
- Oil Pressure Indicator
- Oil Temperature Indicator
- Cylinder Heat Temperature Indicator
- Fuel Pressure Indicator
- Fuel Quantity Indicator
- Voltmeter
- Hobbs
- BRS System as an option



### PS-28 Cruiser Glass Cockpit

- Primary Flight Data Display Dynon D-100
- Engine Monitoring System Dynon D-120
- Magnetic Compass
- Backup Airspeed Indicator
- Backup Altitude Indicator
- NAV / COM Radio
- Dynon Navigation Extension module HS-34
- Transponder S-mode, Class 2
- Intercom
- GPS Garmin 695
- ELT 121.5 MHz, 243.0 MHz, 406 MHz
- BRS System as an option