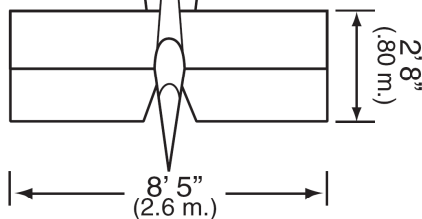
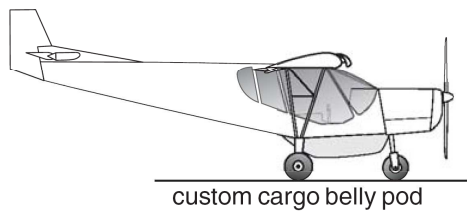
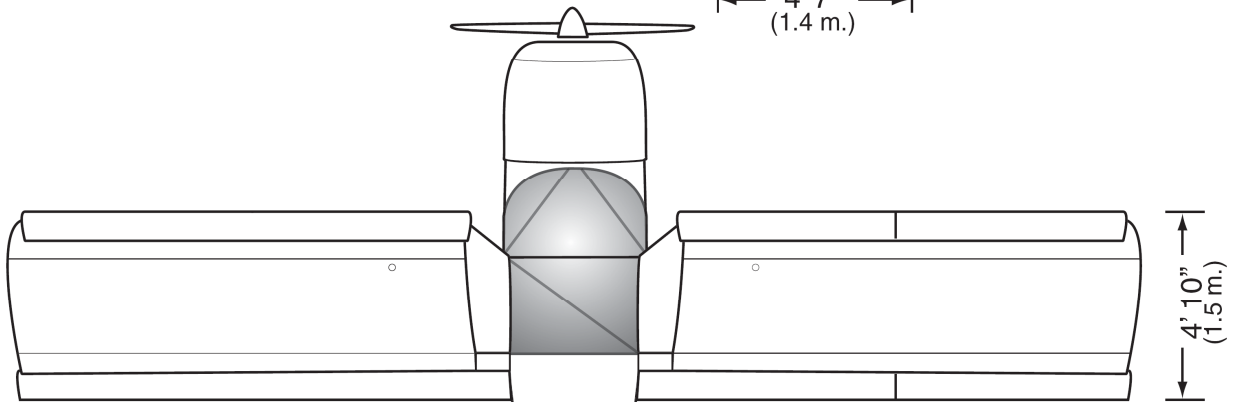
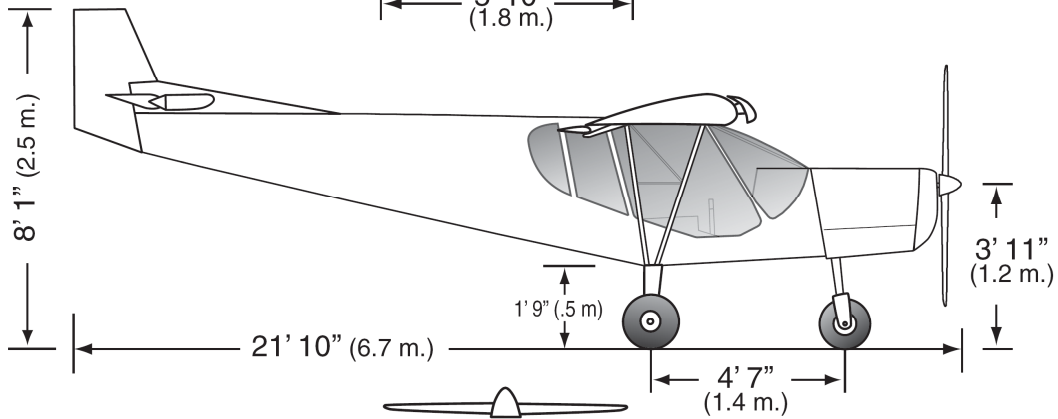
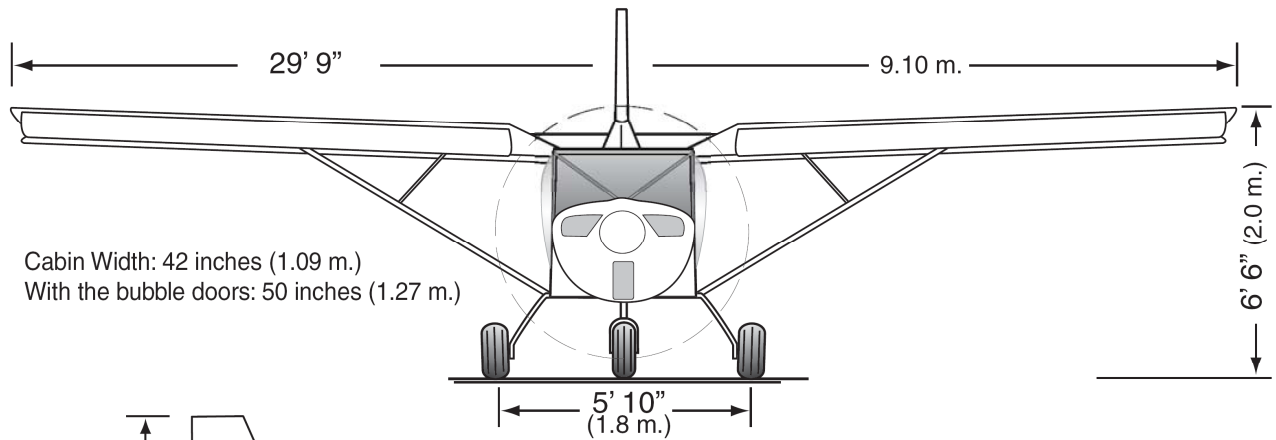


# LIGHT SPORT UTILITY AIRCRAFT

# STOL CH 750



Sketches not to scale.  
Dimensions are approximate figures.

## SPECIFICATIONS

LENGTH	21 Ft. 10 In.	6.7 m.
HEIGHT (rudder tip)	8 Ft. 1 In.	2.5 m.
WING SPAN	29 Ft. 9 In.	9.1 m.
WING AREA	144 Sq. Ft.	13.4 m.sq.
WING CHORD	4 Ft. 10 In.	1.5 m.
HORIZONTAL TAIL SPAN	8 Ft. 5 In.	2.6 m.
HORIZONTAL TAIL AREA	22.2 Sq. Ft.	2.0 m.sq.
EMPTY WEIGHT (as tested, with O-200)	775 Lbs.	350 kg.
DESIGN GROSS WEIGHT	1,320 Lbs.	600 kg.
USEFUL LOAD	545 Lbs.	250 kg.
FUEL CAPACITY (Standard) - FUEL WEIGHT	24 US Gal. (2 x 12) = 144 Lbs.	90 l. (2 x 45) = 65 kg.
WING LOADING	9.15 Lbs./Ft. <sup>2</sup>	44.75 kg./m. <sup>2</sup>
POWER LOADING (100-hp)	13.20 Lbs./BHP	6.0 kg./HP
DESIGN LOAD FACTOR (Ultimate)	+6 / -3 G	+6 / -3 G
CABIN WIDTH (Shoulders, without bubble doors)	42 In.	107 cm.
NEVER EXCEED SPEED (V <sub>NE</sub> )	125 MPH	200 km/h

## PERFORMANCE

<b>Continental O-200 (100-hp)</b>	<i>Figures at Gross Weight</i>	
TAKE-OFF ROLL	100 Ft.	30 m.
LANDING ROLL	125 Ft.	38 m.
MAX. CRUISE SPEED (75%)	100 MPH	162 km/h
STALL SPEED (Flaps Down)	38 MPH	61 km/h
STALL SPEED (No Flaps)	44 MPH	70 km/h
RATE OF CLIMB	1,000 fpm	5.1 m/s
SERVICE CEILING	12,000+ Ft.	3,660+ m.
RANGE (Standard, no reserve) - ENDURANCE	440 miles 4.4 Hours	710 km. 4.4 Hours

Specification and performance figures quoted with the Continental O-200-A engine (100 HP).

Standard atmosphere, sea level, no wind.

Performance and specification figures based on prototype flight test results; subject to change without notice.

Powerplant range: 80 - 125 HP engines.

Different engines and installed options will affect performance and specification figures.

6/08