

# STOL CH 701

## PERFORMANCE AND SPECIFICATIONS

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### NEW STOL CH 750

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"This little machine awes the first-time flyer with its  
breathtaking short-field performance"

KITPLANES magazine

SPECIFICATIONS	STOL CH 701	
WING SPAN	27 FEET	8.2 m.
WING AREA	122 SQ.FT.	11.4 m.sq.
LENGTH	20 Ft. 11 In.	6.38 m.
HEIGHT (rudder tip)	8 Ft. 7 In.	2.6 m.
EMPTY WEIGHT	580 LBS.	263 kg.
GROSS WEIGHT	1,100 LBS.	500 kg.
USEFUL LOAD	520 LBS.	236 kg.
WING LOADING	9.0 LBS/FT <sup>2</sup>	43.8 m <sup>2</sup>
POWER LOADING	13.75 LBS/BHP	6.25 kg/BHP
DESIGN LOAD FACTOR (ultimate)	+6 G / -3G	
CABIN WIDTH (shoulders)	40 INCHES	100 cm.
CABIN WIDTH (optional <a href="#">bubble doors</a> )	44 INCHES	110 cm.
FUEL CAPACITY (std., dual wing tanks)	20 US Gallons (2 x 10 gal.)	76 liters (2 x 38 liters)

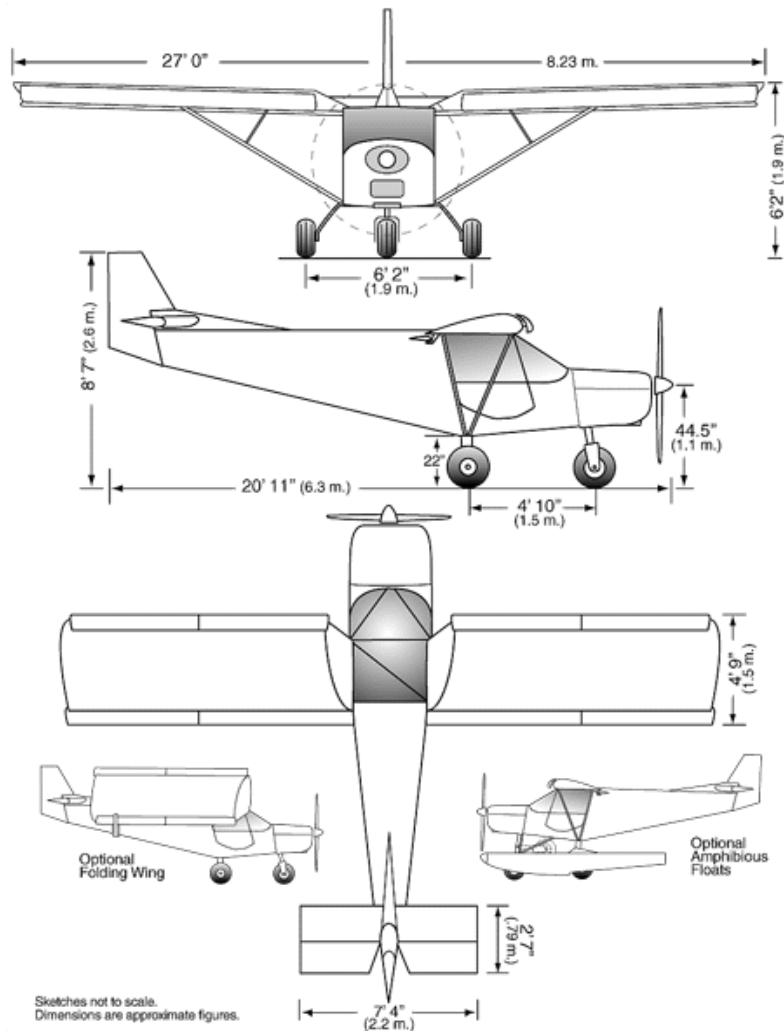
High-Lift Design

Four Seat  
STOL CH 801

Zenith.Aero

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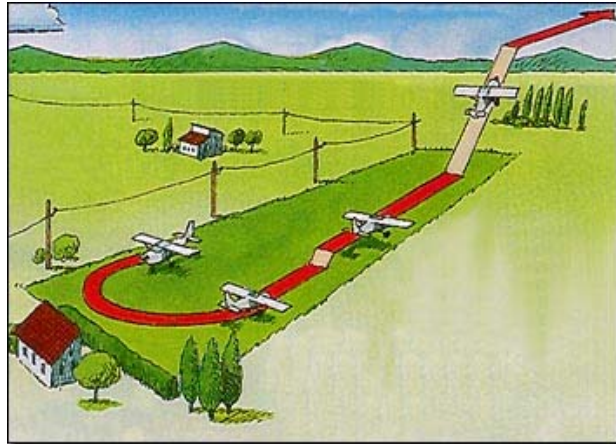
[Click here](#) for a full-size view | [Click here](#) for additional detailed views of the STOL CH 701  
[Download schematic views of the STOL CH 701 assembly](#)

STOL CH 701 PERFORMANCE	ROTAX 912 (80 HP)		ROTAX 912S (100 HP)	
	SINGLE	DUAL	SINGLE	DUAL
TOP SPEED (MPH)	85	85	95	95
CRUISE, Sea Level (MPH)	80	80	85	85
75% CRUISE @ 8,000 ft. (TAS*)	92	92	98	98
V <sub>NE</sub> (MPH)	110	110	110	110
STALL (MPH)	28	30	28	30
RATE OF CLIMB (FPM)	1,100	1,000	1,200	1,100
TAKE-OFF ROLL (FEET)	60	115	50	90
LANDING ROLL (FEET)	80	140	80	140
SERVICE CEILING (FEET)	13,000+	12,000+	15,000+	12,000+
STD. RANGE (MILES)	372	372	350	350
ENDURANCE	4.6 Hrs.	4.6 Hrs.	4.1 Hrs.	4.1 Hrs.

Range and endurance figures are quoted with no fuel reserve. Figures are based on factory prototype results, and are given at standard atmosphere, sea level, no wind, unless otherwise indicated. All technical data, specification and performance figures subject to change without notice.  
 \* TAS is indicated airspeed corrected for temperature and altitude. The corrections are approximate.

**Engine Limitations:** 50 - 100 hp, up to 185 lbs. installed. Alternative engines will affect performance, specifications and flight characteristics of the aircraft. Also, the weight and balance of the aircraft may be adversely affected by alternative engines, and the original fuel system may not be adequate or suitable for some engines. Most alternative engines will require a custom engine mount and engine cowl. Zenith Aircraft Company does not manufacture or directly support engines.

- [Click here](#) to view flight demonstrations of the STOL CH 701's outstanding short take-off and landing (STOL) performance (video clips).



## STOL CH 701

True short take-off and landing capability for the serious sport pilot.

Flying the STOL CH 701:  
*"You're already where you want to be!"*



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