



ZENITH CH650



STOL CH701



STOL CH750



CH750 CRUZER



INFORMATION



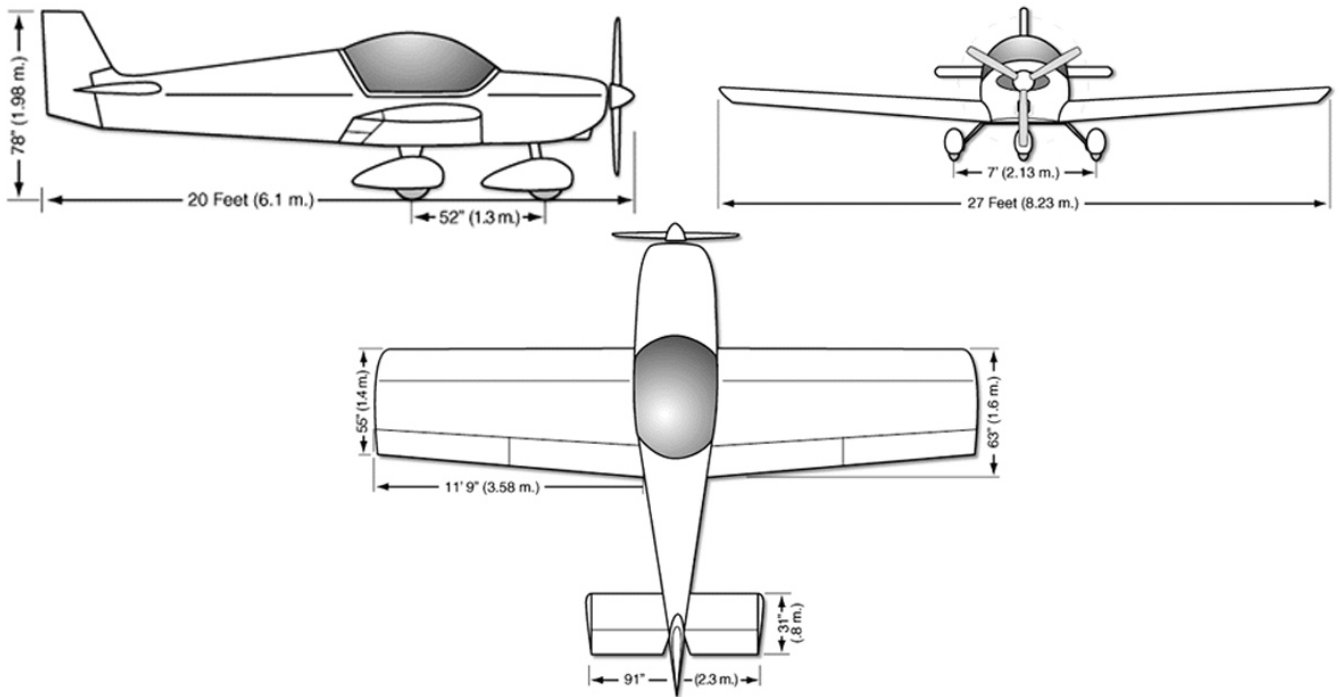
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The Specifications of the Zenith CH650



	Jabiru 3300 (110hp)	Rotax 912S (100hp)	Lycoming O-235 (116hp)
Wing Span	27ft	27ft	27ft
Wing Area	132 sq.ft.	132 sq.ft.	132 sq.ft.
Length	20ft	20ft	20ft
Horizontal Tail Span	7ft 7in	7ft 7in	7ft 7in
Rudder Tip Height	6ft 6 in	6ft 6 in	6ft 6 in
Empty Weight	695lb	690lb	800lb
Useful Load	625lb	630lb	520lb
Gross Weight	1320lb	1320lb	1320lb
Wing Loading	9.85psf	9.85psf	9.85psf
Fuel Capacity	24 Gal.	24 Gal.	24 Gal.
Power Loading	11.8 lb/hp	11.8 lb/hp	11.8 lb/hp
Cabin Width	44in	44in	44in
Load Factor (G) ultimate	+6/-4 g	+6/-4 g	+6/-4 g



The Performance of the Zenith CH650

Figures based on a Zenith CH650 with a gross weight of 1300lbs, standard atmosphere, sea level, no wind. Range and endurance figures are quoted with no fuel reserves. All technical data, specifications and performance figures are subject to change without notice.

	Jabiru 3300 (110hp)	Rotax 912S (100hp)	Lycoming O-235 (116hp)
Max Cruise (Sea Level)	138mph	134mph	138mph
75% Cruise @8000 ft (TAS)	160mph	155mph	160mph
VNE	160mph	160mph	160mph
VS1 Stall Speed – no flaps	51mph	51mph	51mph
VS0 Stall Speed – flaps down	44mph	44mph	44mph
Rate of Climb	1200fpm	900fpm	930fpm
Take-off Roll	500ft	550ft	500ft
Landing Distance	500ft	500ft	500ft
Range(standard miles)	662 miles	656 miles	575 miles
Endurance	4.8 hours	4.9 hours	4.2 hours
Load Factor (G) ultimate	+6/-4 g	+6/-4 g	+6/-4 g

Light Sport Aircraft Regulations

The STANDARD Zenith CH650 kit aircraft meets the definition of a Light-Sport Aircraft as defined by “Certification of Aircraft and Airmen for the Operation of Light-Sport Aircraft” (7/20/04). A Sport Pilot may fly any aircraft that meets the definition of a Light-Sport Aircraft, and such aircraft does not need to change its certification category to be operated by a Sport Pilot.

Zenith Aircraft Company cannot guarantee that the aircraft, as constructed by the builder, will meet the definition of a Light-Sport Aircraft. Due to the gross weight and stall speed limitations of the Sport Pilot / Light-Sport Aircraft category, it is recommended that the aircraft be kept “as light as possible” if planning to operate the aircraft in this category. Larger and heavier engines and other installed equipment will limit the useful load of the aircraft, and may disqualify the aircraft from meeting the defined category limits.