

ZODIAC CH 650

The **NEW ZODIAC** from Zenith Aircraft Company



*"Simple to Build,
Fun to Fly"*
- KITPLANES magazine

"...a playful, delightful airplane with side-by-side seating and a gorgeous bubble canopy. Handling is great, stability is pleasant, and the kit is very straight forward. Highly recommended."

New and updated features with modern styling

PRICE INFORMATION:

Introductory Rudder "Starter Kit"

\$ 375.00

The Starter Kit includes the complete kit for the rudder tail section for the ZODIAC, and comes with a detailed and illustrated step-by-step assembly manual – everything you need to get started! Assembling the rudder Starter Kit is just a weekend project, and will provide you with an excellent 'hands-on' introduction to building your own aircraft. The Starter Kit can be shipped domestically by UPS. (The required assembly tools are available separately).

Drawings and Manual

\$ 495.00

Detailed blueprints of the complete ZODIAC CH 650 airframe and detailed Photo Assembly Guides on CD-ROM, supplied with an aircraft serial number: All you need to 'scratch-build' the ZODIAC CH 650 or to preview and study the design and construction before purchasing the kit. The drawings and manuals are included with the complete airframe kit. Add \$15.00 for overseas Air Mail shipping. (Cost of the drawings is deductible from price of the complete kit).

ZODIAC CH 650 Complete Kit

The ZODIAC CH 650 airframe kit comes with all kit parts to build the airframe: The kit includes the factory riveted wing spars, pre-formed sheet-metal parts (ribs, skins, etc.), factory-welded parts, standard fuel tanks, controls, and hardware required for assembly of the airframe. The Drawings and Manual are included with the airframe kit. The standard ZODIAC CH 650 kit includes many precision CNC cut and drilled skins and components.

The Finishing Kit includes the items to complete the aircraft, including the spring gear, wheels with hydraulic disk brakes, the new formed bubble canopy, seat belts, electric elevator trim and electric flap actuator, finishing hardware, and more.

Not included in the kit: powerplant and instruments packages, paint, and upholstery.

ZODIAC CH 650 Airframe Kit

\$ 14,275.00

ZODIAC CH 650 Finishing Kit

\$ 4,225.00

ZODIAC CH 650 Component Kits

You may choose to purchase sections of the complete kit to 'buy-as-you-build' instead of ordering the complete airframe kit as a single package. The Drawings and Manuals must be purchased separately. Any individual airframe part or component is also available (for plans-builders).

Available kit options include dual control sticks, tail-wheel gear configuration, navigation/strobe lights, landing light, wheel fairings, long-range fuel system, aileron trim (electric), upholstery kit, and more. Firewall-forward powerplant packages are available for the Continental O-200, Rotax 912S, Jabiru 3300, and Lycoming O-235 engines.

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Visit us online for complete details

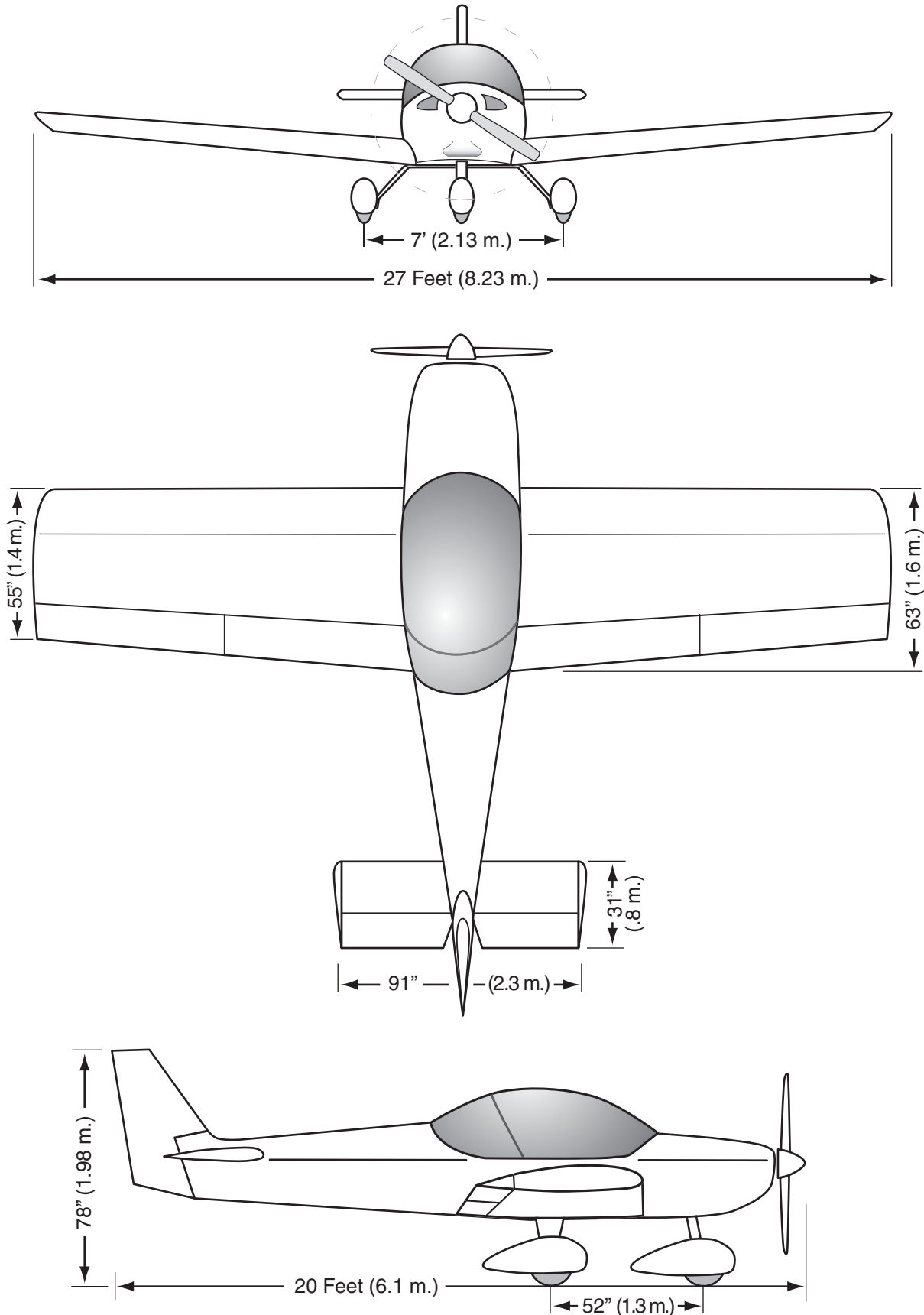
zenithair.com

Prices in US Funds. Prices and availability subject to change without notice.
Prices are F.O.B. Factory. Crating and shipping charges are extra.

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Drawing is not to exact scale. Dimensions are approximate, based on prototype. All figures subject to change and revision without notice.

SPECIFICATIONS

Jabiru 3300

Continental O-200

LENGTH	20 Ft. 0 In.	6.1 m.	20 Ft. 0 In.	6.1 m.
HEIGHT (rudder tip)	6 Ft. 6 In.	1.98 m.	6 Ft. 6 In.	1.98 m.
WING SPAN	27 Ft. 0 In.	8.23 m.	27 Ft. 0 In.	8.23 m.
WING AREA	132 Sq. Ft.	12.3 m.sq.	132 Sq. Ft.	12.3 m.sq.
WING CHORD (root / tip)	5' 3" / 4' 7"	1.6 m. / 1.4 m.	5' 3" / 4' 7"	1.6 m. / 1.4 m.
HORIZONTAL TAIL SPAN	7 Ft. 7 In.	2.3 m.	7 Ft. 7 In.	2.3 m.
HORIZONTAL TAIL AREA	20 Sq.Ft.	2.24 m.sq.	20 Sq.Ft.	2.24 m.sq.
EMPTY WEIGHT	695 Lbs.	318 kg.	750 Lbs.	340 kg.
DESIGN GROSS WEIGHT	1,320 Lbs.	600 kg.	1,320 Lbs.	600 kg.
USEFUL LOAD	625 Lbs.	282 kg.	570 Lbs.	260 kg.
FUEL CAPACITY (Standard) - FUEL WEIGHT	24 US Gal. = 144 Lbs.	92 l. = 65 kg.	24 US Gal. = 144 Lbs.	92 l. = 65 kg.
FUEL CAPACITY (Extended Option) - FUEL WEIGHT	30 US Gal. = 180 Lbs.	112 l. = 82 kg.	30 US Gal. = 180 Lbs.	112 l. = 82 kg.
WING LOADING	9.8 Lbs./Sq.Ft.	48 kg./m.sq.	9.8 Lbs./Sq.Ft.	48 kg./m.sq.
POWER LOADING	13.2 Lbs./BHP	6 kg./HP	13.2 Lbs./BHP	6 kg./HP
DESIGN LOAD FACTOR (Ultimate)	+6 / -3 G	+6 / -3 G	+6 / -3 G	+6 / -3 G
CABIN WIDTH (Shoulders)	44 In.	112 cm.	44 In.	112 cm.
NEVER EXCEED SPEED (VNE)	160 MPH	260 km/h	160 MPH	260 km/h

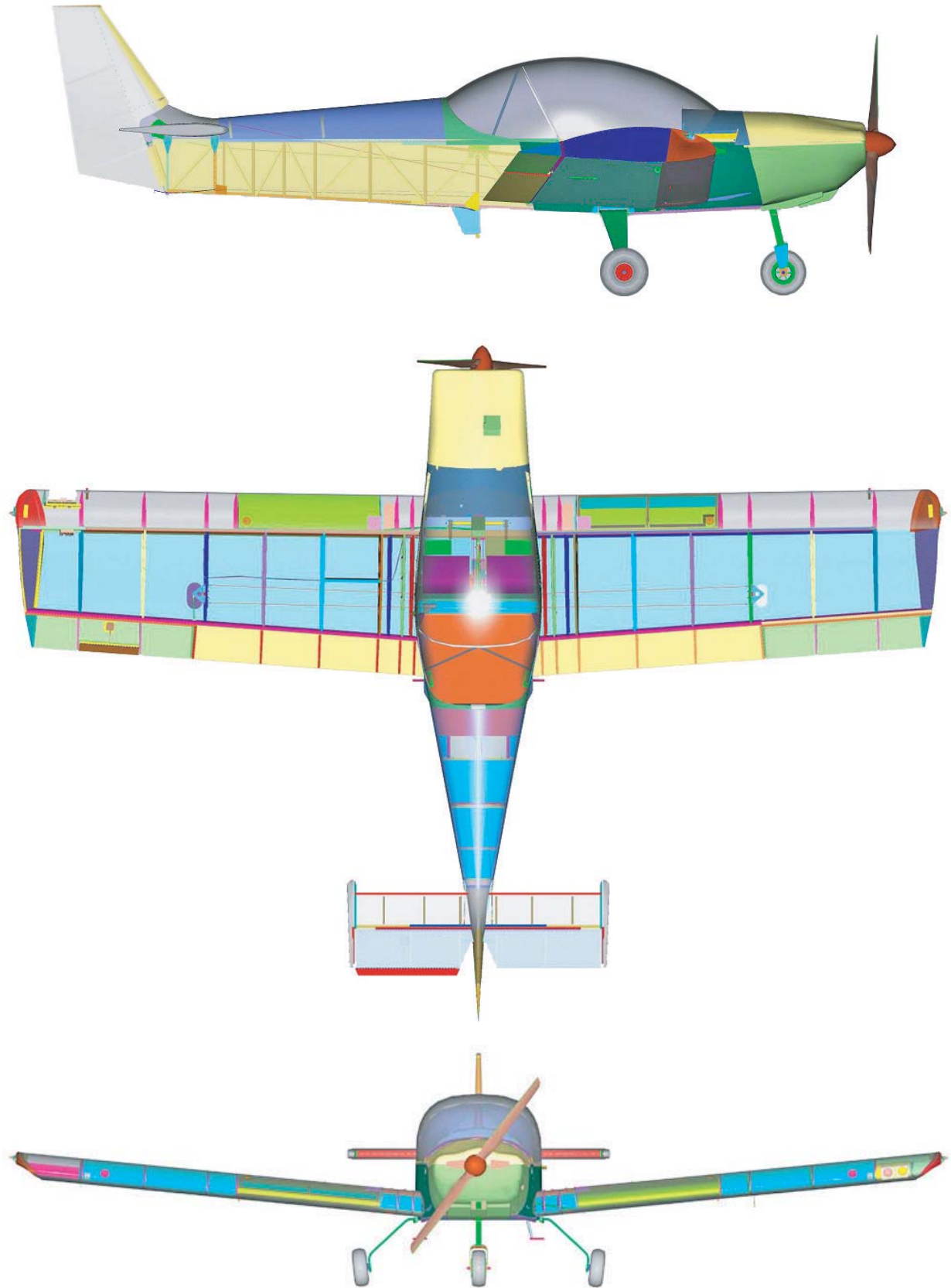
PERFORMANCE

Performance at Gross Weight	Jabiru 3300		Continental O-200: 100 hp	
TOP SPEED	148 MPH	238 km/h	140 MPH	225 km/h
CRUISE SPEED (75%)	138 MPH	222 km/h	135 MPH	218 km/h
STALL SPEED (Flaps Down)	44 MPH	70 km/h	44 MPH	70 km/h
RATE OF CLIMB	930 fpm	4.8 m/s	1,000 fpm	5 m/s
TAKE OFF ROLL	500 Ft.	152 Ft.	500 Ft.	152 Ft.
LANDING ROLL	500 Ft.	152 Ft.	500 Ft.	152 Ft.
SERVICE CEILING	16000+ Ft.	4875+ m.	16000+ Ft.	4875+ m.
RANGE (Standard)	575 statute miles	925 km.	560 miles	900 km.
ENDURANCE (Standard)	4.2 Hours	4.2 Hours	4.0 Hours	4.0 Hours

Performance and specification figures based on prototype flight test results, with engine indicated, subject to change or revision without notice. Performance figures at standard atmosphere, sea level, no wind. Range and endurance figures without fuel reserve. Suitable power range: 80 - 125 BHP. Different engines and options will affect performance and specification figures.

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