



smart phone app



FLIGHT DESIGN CTLS

The Next Step in Light Sport Aircraft



The Flight Design *CTLS* is the new version of the *CT* designed specifically for American pilots and the Light Sport Aircraft rules of the USA. The *CTLS* is the next step forward with its advanced aerodynamic design, carbon fiber airframe, Ballistic Parachute System, standard Dynon Glass panel and Garmin Aera 510 GPS w/XM weather. New design features make the *CTLS* a joy to fly and perfect for pilots of all skill levels. The longer fuselage design of the *CTLS* minimizes drag and maximizes interior room for you, your passenger and baggage. The new composite landing gear is designed to reduce rebound and smooth out the roughest of landings.

In production since 1997 with over **1500 flying worldwide**, the *CT* is very popular for flight training and long distance travel. The *CTLS* is certified in the USA as Special Light Sport Aircraft (SLSA) to allow for flight training, lease back and rental uses. The new *CTLS* features many evolutionary aerodynamic improvements and most popular options now included as standard equipment.

Comfort The large cabin of the *CTLS* has a width of 49". The 2-way adjustable seats and extra-wide cabin doors makes for easy entrance and a comfortable experience for you and your passenger. The ergonomic arrangement of the controls and instruments, plus the *CTLS* terrific visibility, makes long flights and learning to fly more relaxing and fun.

Performance The *CTLS* has a cruising speed of 115 kts (132 mph) at 75% power and a maximum range of nearly 1000 miles! The strut-less carbon fiber wing has high-lift slotted flaps for amazing short field capabilities. Due to the strength to weight ratio of carbon fiber, the *CTLS* fully equipped has a useful load of over 550 lbs.

Safety The *CTLS* has been certified to 5 international airworthiness standards and was developed by Flight Design's professional engineering staff with safety utmost in their minds. The structure of the *CTLS* is over 90% carbon fiber and aramid which provides superior pilot and passenger protection. Four-point safety harnesses, wing located fuel tanks and the standard ballistic parachute system are just a few of the well thought out safety features of this state-of-the-art aircraft.

Standard Features *Ballistic Parachute System *Dynon D-100 EFIS -120 EMS Glass panel *Garmin Aera 510 w/XM weather. *Garmin SL-40 Com *Garmin GTX327 Transponder *PS- engineering stereo intercom with iPod input *ASTM compliant Night flight lighting system *Rotax® 912 four-cylinder, four-stroke, liquid-cooled engines *3 blade composite propeller *Conventional three-axis controls *Three axis trim system *Cabin door gas struts *Two large capacity baggage compartments *Two cockpit storage compartments *Electric pre-selector flap system * 406 ELT *One piece Mecaplex™ molded windshield *Steerable nose wheel *Hydraulic brakes *Durable, two-part Urethane paint.

Optional Equipment & Avionics *Tru-Trak and Dynon digital two-axis autopilots *Tundra tire and fairing package *Garmin SL-30 and Garmin 430W (SkyView and G3X packages only) *Garmin GPMAP 696 * Garmin and Dynon Mode S transponders w/TIS Link



CTLS STANDARD PANEL

Dynon D-100 EFIS (Electronic Flight Information System)
 Dynon D120 EMS (Engine Management System)
 w/back-up primary flight instruments.
 Garmin SL 40 Com, GTX 327 Mode C Transponder,
 Garmin Aera 510 GPS with XM Weather, PS
 Engineering intercom



CTLS SKYVIEW PANEL

Dual Panel Dynon SkyView D1000 EFIS-MFD-EMS w/backup
 Dynon remote XPNDER SV-261 Class 1 Mode S transponder
 Garmin SL-30 Nav-Com Garmin 430W w/ARINC GPSS module
 Dynon SkyView integrated digital 2 axis (pitch and roll) autopilot
 Garmin 696 multifunction GPS with XM weather and music
 PS Engineering 3000 stereo intercom with iPod input

Flight Design USA Distributors

Airtime Aviation, Tulsa, OK 918-625-5442 South Central

Flight Design USA, S.Woodstock, CT 860-963-7272 North East

Flight Design West LLC c/o Lone Mountain, Las Vegas, NV 888-566-6586

Sebring Aviation, Sebring, FL 863-655-2242 South East

Zone Aviation 44050 Russia Rd. Elyria, OH 440-322-3692

Stanton Sport Aviation, Stanton MN 507-645-4030

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 The CTLS comes equipped with the standard features below:

Standard Equipment Includes:



Garmin Aera 510 GPS - XM
406 Mhz ELT w/remote panel
Three axis trim system
 Cloth Sport seats with headrest
 Cabin heater, carburetor heat
 Wheel pants and gear fairings
 FD Night Flight package
 Sliding air-vents
 Gull wing doors w/gas struts



Dynon 100 EFIS & 120 EMS Dual-
screen glass panel w/back up gauges
Garmin SL 40 Com & GTX 327 Mode C
 PM 3000 Stereo intercom with iPod jack
 Oil and coolant thermostat system
 2 Telex Echelon 25XT Headsets
 100-hp Rotax 912ULS engine
 Stainless steel exhaust
 3-Blade composite propeller

Ballistic Parachute System
LED strobes & position lights
 Door locks, parking brake
 Fire extinguisher & CO detector
 4 point pilot harnesses
 12V accessory plug
 FD Prop cover and Pilots briefcase
 No-Bounce composite main landing gear
***Shipping to USA Included**

CTLS Base Price as equipped above: \$139,800

Airframe & Equipment options

LED Landing Light upgrade	\$725
Mecaplex Photo Window	\$765
Tundra Wheels with Wheel Fairings	\$1,490
Black Leather Seats	\$1,190
Light Brown Leather Seats	\$1,190
Larger capacity battery	\$120
Lightweight Lithium-Iron-Phosphate battery	\$879
Dual AMSAFE Seatbelt Airbag system	\$6,375
Color graphics (Wave ;Storm or Classic)- Delete sun visors	Included specify choice here -\$200

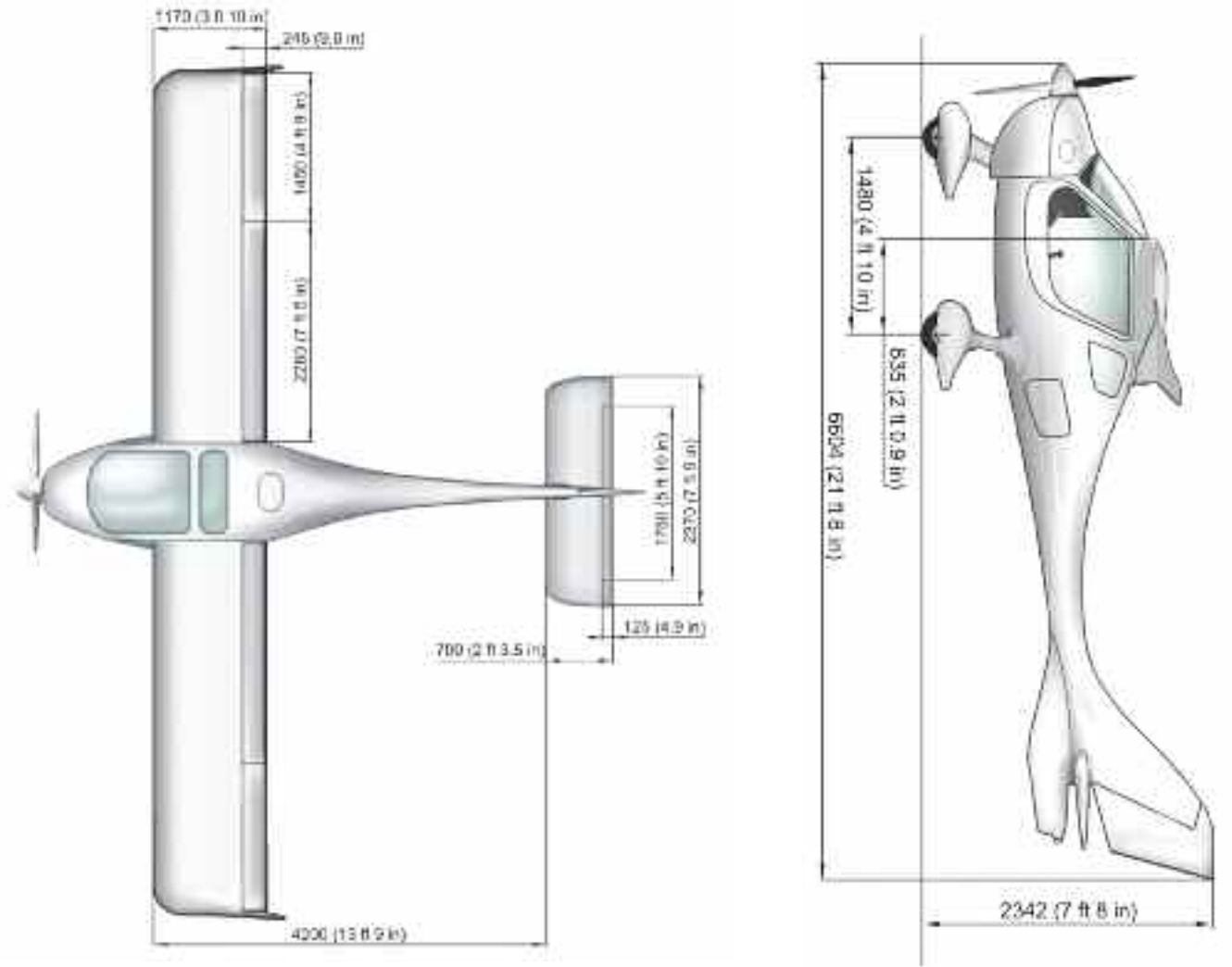
Avionics Options for the Standard Panel only (Dynon D100 / D120)

Garmin 330 Mode S transponder	\$2,970
Garmin GPS 696 XM upgrade	\$2,335
CT Pilot II VS Two Axis Autopilot (Pitch and Roll) with vertical speed control	\$5,450
No Headsets	-\$380

Dynon SkyView, or Garmin G3X Panel Total - See page 2,3

Add-on cost (per plane) for 2 in a container special orders :	\$1,200
*Shipping to U.S East Coast included. Midwest and West Coast add:	\$604
ADD — U.S. Government fees for security and processing	\$800.00
TOTAL CUSTOMER COST:	

Dealer: _____ **Customer:** _____



CTLS
Flight Design
USA

Technical Data

Wing span 28 ft 2 in.
 length 21ft 8 in.
 Height 7 ft 8 in.
 Wing area 107 sq.ft.
 Fuel capacity 34 Gallons
 Empty weight 770 lbs.*
 Gross weight 1320 lbs.
 Useful load 550 lbs.
 Maximum range 830 nm.
 *Weight includes: Glass panels, radios, intercom, GPS, night flight system, BRS 1350 HS parachute system.

Speeds/Performance	Definition	CAS (kts)
Vso	Stall speed @ 35 Deg. Flaps @ 1320 Lbs.	39
Vs1	Stall speed @ -6 deg. neg flaps @ 1320 Lbs.	44
Vh	Top Speed @ Max. Continuous RPM	120
Vc	Cruise speed @ 75% power	115
Vne	Never exceed airspeed	145
Va	Design Maneuver speed	98
Vra	Maximum rough air speed	120
Vfe	Max Flap operating speeds	80
Vr	Rotation speed @ 15 deg. flaps	42
Vy	Best rate of climb airspeed	73
Vx	Best angle of climb airspeed	61
Rate of climb	Best rate of climb @ gross 1320 lbs.	805 fpm.
Max cross wind component	Maximum cross wind component @ 0 deg. flaps	16 Kts.
Takeoff distance	Takeoff distance @ gross 1320 lbs.	800 ft.
Distance over 50 ft. obstacle	@ 15 deg. flaps @ gross weight 1320 lbs.	1500 ft.
Landing over 50 ft. obstacle	@ 35 deg flaps @ gross 1320 lbs	967 ft.

