

Zivko EDGE™ 540 Specifications

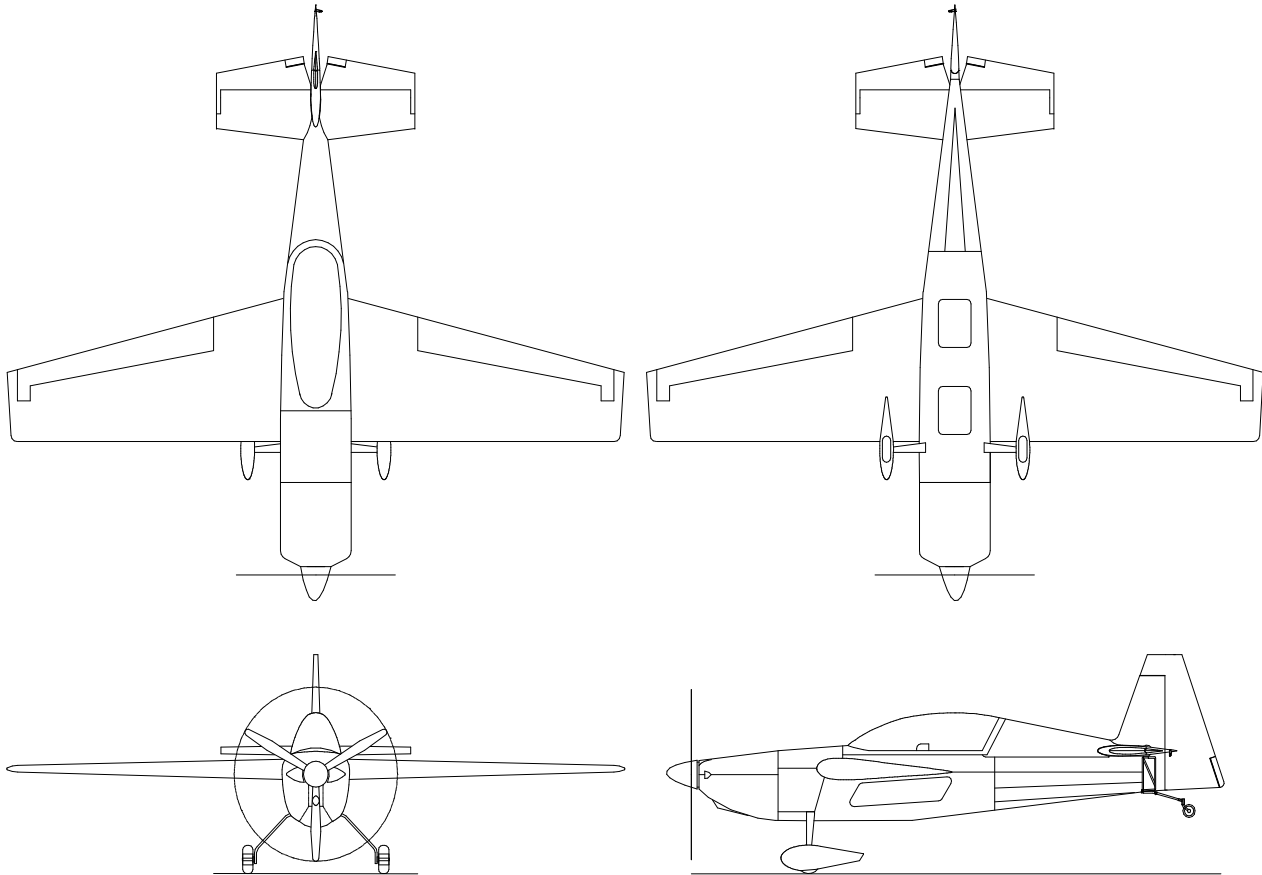
Wingspan	24ft 4in	Wing Area	98 ft ²
Length	20ft 7in	Height	9.4 ft
Empty Weight	1170 lbs	Cruise @ 75%	180 Kts
Max Aerobatic	1550 lbs	Max Gross	1800 lbs
Fuel Capacity (Fuse. tank) ..	19 gal	Wing tanks	42 gal
Vne	230 kts	Va	170 kts
Vs @ 1500#	51 kts	@ 1800#	61 kts
Climb Rate@ 1500#	3,700 ft/min	Roll Rate	420 °/sec
G Rating	±10 G @ 1550#		
Engine	Modified Lycoming IO-540 (340 hp)		
Propeller	Hartzell HC-C3YR-4AX		



Zivko EDGE™ 540 Basic Aircraft Description

EDGE 540
UNLIMITED AEROBATICS

Fuselage:	4130 steel tube, powder coated, oiled inside; designed and fatigue analyzed on computer; lower aft fuselage is fabric covered to keep the fuselage weight at the minimum.
Empennage:	Unique airfoil all composite, carbon spars, carbon skins, static and flight tested, ground vibration analysis, ball bearing hinges.
Engine mount:	4130 steel tube, powder coated, oiled inside.
Wing:	Unique airfoil, all composite, carbon spars; static tested to 20gs, ground vibration analysis, flight test, thousands of hours of unlimited aerobatic flying.
Landing gear:	Main gear is spring aluminum; polished, cleveland wheels & brakes and internal brake passage. Tail gear is spring steel; chrome plated with steerable tail wheel.
Seat:	Carbon fiber contoured, vertical adjustment 3", recline 35' adjustable from 25' to 45'.
Fairings:	Carbon fiber, with large windows & panels; easy removal for inspection & maintenance.
Canopy:	Carbon fiber frame; hartwell latch, positive locking system with emergency release.
Cowl:	Carbon fiber; low internal cooling drag.
Control sys:	Aileron & elevator is push pull system; rudder is cable system; all systems are ball bearings for smooth control response.
Fuel sys:	Inverted, ZAI design; 19.5 gal. Fuselage tank, 44 gal wing tanks, meets FAR 23, fuselage capacitance gage standard.
Oil sys:	Inverted; christen system.
Engine:	Lycoming IO-540; 312 h.p. B&C starter and 8 amp alternator, Slick mags, Bendix fuel injection system.
Propeller:	Hartzell HC-C3YR-1AX1 or HC-C3YR-4AX, composite.
Instrument panel:	Carbon fiber with basic instrument package; airspeed, altimeter, compass, tachometer, oil press, oil temp. J.P. EDM-700 CHT/EGT, manifold pressure/fuel flow, digital "G" meter.
Wheel pants, spinner:	Carbon fiber; low drag, lightweight.
Fabric covering:	Dacron with ZAI proprietary finish.
Paint:	Three color, your design, ZAI proprietary finish, show quality.



Zivko EDGE™ 540T Specifications

Wingspan	25ft 2in	Wing Area	106.2 ft ²
Length	22ft 8in	Height	9.4 ft
Empty Weight	1261 lbs	Cruise @ 75%	195 Kts
Max Aerobatic (Single)	1600 lbs	Dual	1875 lbs
Max Gross	1950 lbs	Useful Load	710 lbs
Fuel Capacity (Fuse. tank)	20 gal	Wing tanks	45 gal
Vne	230 kts	Va	170 kts
Vs @ 1600#	53 kts	@ 1950#	61 kts
Climb Rate@ 1600#	3,900 ft/min	Roll Rate	420 °/sec
G Rating Single	±10 G	Dual	±8 G
Engine	Modified Lycoming IO-540 (340 hp)		
Propeller	Hartzell HC-C3YR-4AX		



Zivko EDGE™ 540-T Basic Aircraft Description

EDGE 540
AEROBATIC TANDEM

Fuselage:	4130 steel tube, powder coated, oiled inside; designed and fatigue analyzed on computer.
Empennage:	Unique airfoil all composite, carbon spars, carbon skins, static and flight tested, ground vibration analysis, ball bearing hinges.
Engine mount:	4130 steel tube, power costed, oiled inside.
Wing:	Unique airfoil, all composite, carbon spars; static tested to 20gs, ground vibration analysis, flight test, thousands of hours of unlimited aerobatic flying.
Landing gear:	Main gear is spring aluminum; polished, cleveland wheels & brakes and internal brake passage. Tail gear is spring steel; chrome plated with steerable tail wheel.
Seat:	Carbon fiber contoured, aft seat vertical adjustment 3", recline 35' adjustable from 25' to 45'.
Fairings:	Carbon fiber, with large windows & panels; easy removal for inspection & maintenance.
Canopy:	Carbon fiber frame; hartwell latch, positive locking system with emergency release.
Cowl:	Carbon fiber; low internal cooling drag.
Control sys:	Aileron & elevator is push pull system; rudder is cable system; all systems are ball bearings for smooth control response.
Fuel sys:	Inverted, zai design; 19.5 gal. Fuselage tank, 45 gal wing tanks, meets FAR 23, fuselage capacitance gage standard.
Oil sys:	Inverted; christen system.
Engine:	Lycoming IO-540; 320 h.p. B&C starter and 8 amp alternator, Slick mags, Bendix fuel injection system.
Propeller:	Hartzell HC-C3YR-1AX1 or HC-C3YR-4AX, composite.
Instrument panel:	Carbon fiber with basic instrument package; airspeed, altimeter, compass, tachometer, oil press, oil temp. J.P. EDM-700 CHT/EGT, manifold pressure/fuel flow, digital "G" meter.
Wheel pants, Spinner:	Carbon fiber; low drag, light weight.
Fabric covering:	Dacron with ZAI proprietary finish.
Paint:	Three color, your design, ZAI proprietary finish, show quality.
Competition Package:	Single seat canopy, boot cowl extension, leight weight battery, carbon wing sight, carbon aileron spades.