



"BORN TO PERFORM"

G3

HERITAGE

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.COMPONENTS

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"AHEAD OF THE REST"

- GENEROUS CG ENVELOPE
- TRULY "USEFUL" LOAD
- UNMATCHED BLAZING CROSS-COUNTRY SPEED
- ALL INFUSED CARBON FIBER CONSTRUCTION
- UNSURPASSED COMPONENT QUALITY
- AIRSHOW-PROVEN AEROBATIC CAPABILITY
- DOCILE STALL AND SLOW SPEED HANDLING
- UPGRADED EMERGENCY GEAR EXTENSION SYSTEM STANDARD
- NEW CNC STRONGER AND IMPROVED LANDING GEAR
- ONE OF THE MOST COMPLETE KITS ON THE MARKET, WITH LOWER BUILD TIMES THAN EVER BEFORE
- ONE-PIECE INFUSED CARBON FIBER WING AND PREMOLDED RIBS WITH ONE-PIECE SPAR FOR SUPERIOR STRENGTH
- PROFESSIONALLY ENGINEERED AND THOROUGHLY TESTED
- STANDARD FAST BUILD ASSEMBLY
- USER-FRIENDLY, HYPO-ALLERGENIC RESIN SYSTEM
- AEROSPACE-GRADE MATERIALS AND COMPONENTS USED THROUGHOUT ENTIRE AIRCRAFT
- BEST ASSEMBLY MANUAL IN THE INDUSTRY
- DESIGNED FOR THE FIRST-TIME BUILDER
- WIDER, MORE COMFORTABLE, 43" 2-SEATER +SIZED CABIN
- INFUSED INTEGRATED ROLLOVER PROTECTION
- SUPERIOR CONTROL HARMONY
- RACE PROVEN 400+ MPH
- GREAT RESALE VALUE

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NATURALLY ASPIRATED



LYCOMING IO-540



TWIN TURBO



LYCOMING R540

PERFORMANCE

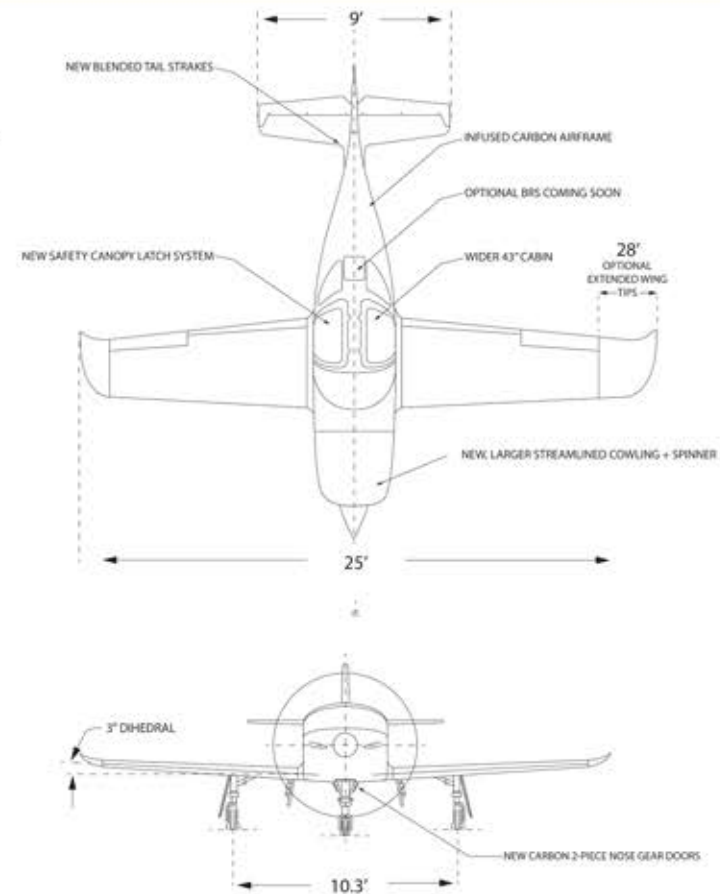
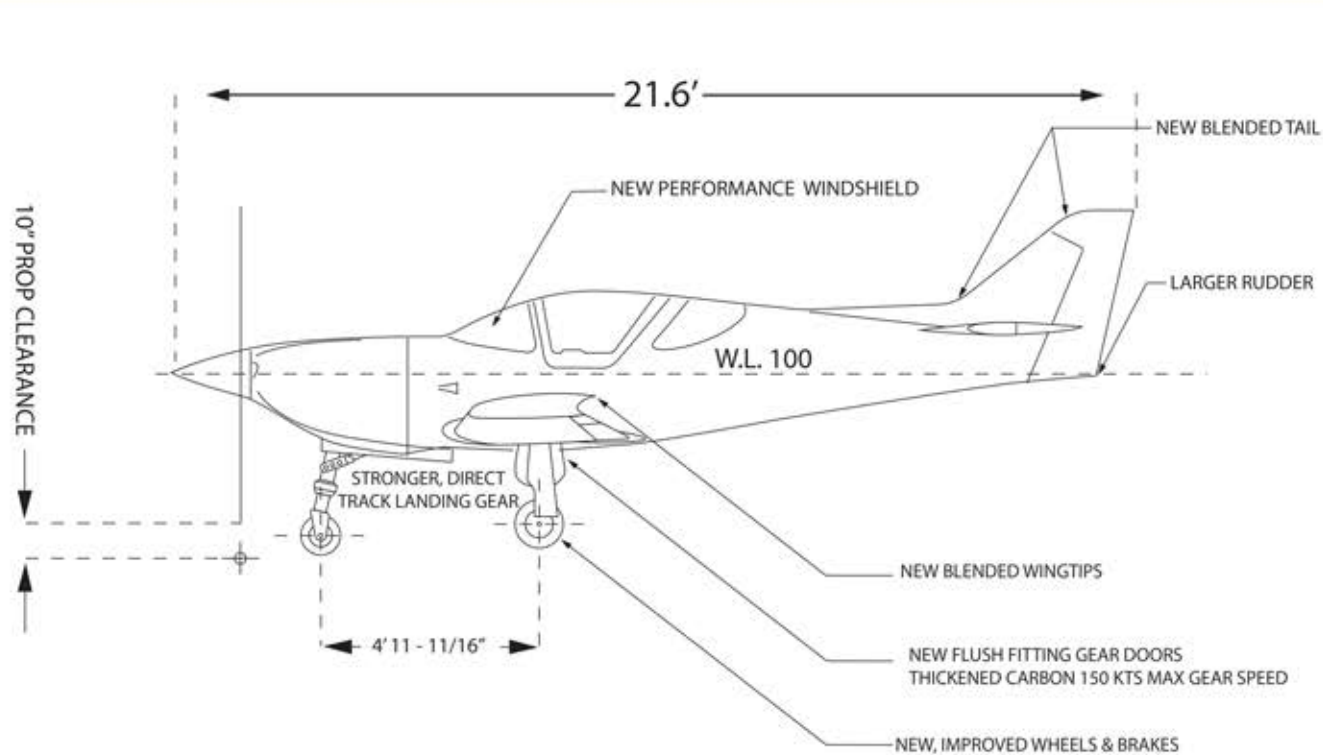
	Mph/Kts
Top speed (TAS, Sea Level)	335/291
Cruise Speed (TAS)	283/246
75% power at 8,000 ft	272/237
65% power at 8,000ft	
Stall Speeds (max. gross)	
No Flaps (Vs) Standard Wing	82/71
Optional Wingtip extensions	78/68
Full Flaps (Vso) standard flaps, standard wing	74/64
Optional slotted flaps, standard wing	70/61
Optional slotted flaps, wingtip extensions	64/56
(depends on finished weight of aircraft/loading)	
Never-Exceed Speed (Vne)	365/317
Maximum Gear Extension Speed	173/150
Rate of Climb (non turbo, based on Lycoming IO 540-K1A5, 300hp)	
Solo	2998 fpm
Max. Gross	2140 fpm
Roll Rate Standard Wing	140°/sec
Optional wingtip extensions	90°/sec
Range (65% power, no wind, VFR reserve)	
Standard tanks	1480 mi/1286nm
Fuel Consumption (65% power)	13.5 gph
Service Ceiling (approx.)	26,000 ft

SPECIFICATIONS

Fuselage Length	21 ft, 6 in
Wing Span, Standard Wing	25 ft, 0 in
Optional Wingtip extensions	28 ft, 0 in
Maximum Height	7 ft, 6 in
Cabin Width	43 in
Fuel Capacity (useable)	
Standard Wing Tank	68.0 gals
Optional Wingtip ext. Tanks (depending on build)	NEW STYLE AVAILABLE SOON
Baggage Area	12.8 cu. ft.
Max. Baggage Capacity	100 lbs
Optional Baggage Door	
Wing Area, Standard Wing	81.3 sq. ft.
Wing Loading (Max. Gross), Standard Wing	29.5 lbs/sq.ft
Aspect Ratio, Standard Wing	6.2
Empty Weight (typical)	1515 lbs
Max. Gross Weight, Standard Wing	2400 lbs
Optional Wingtip extensions	2500 lbs
Useful Load (typical) Standard Wing	775 lbs
Limit Loads (2,120 lb aerobatic gross)	+8G / -6G
Ultimate Loads (2,120 lb aerobatic gross)	+10.5G / -8G

**Performance figures are actual data from representative aircraft equipped with Lycoming IO-540 engines and Hartzell constant-speed props. Performance of customer-built aircraft may vary depending on equipment, construction quality and pilot ability.

4'11" - 11/16"



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 .COMPONENTS

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