



GLASAIR PERFORMANCE & SPECIFICATIONS

Sunday, November 7, 2010

Glasair Aviation, LLC is proud to offer you the sleek and exciting Glasair III. This aircraft has been designed for pilots who demand the highest performance, while expecting outstanding utility, strength, quality and proven reliability -- in short, the Glasair III is for those who demand the ultimate kitplane!

Glasair III	
PERFORMANCE*	300 h.p.
Top Speed (sea level)	300 mph / 260 knots
Top Speed (18,000 ft.)	327 mph / 284 knots (turbo)
Cruise Speeds (TAS)	
75% at 24,000 ft	313 mph / 272 knots (turbo)
75% at 17,500 ft	290 mph / 252 knots (turbo)
75% at 8,000 ft	258 mph / 224 knots
65% at 8,000 ft	248 mph / 216 knots
Stall Speeds (Solo)	
Slotted Flaps	73 mph / 63 knots
Standard Flaps	80 mph / 69 knots
Best Rate of Climb Speed	130 mph / 113 knots
Best Angle of Climb Speed	100 mph / 87 knots
Maneuvering Speed	201 mph / 174 knots
Never Exceed Speed (Vne)	335 mph / 291 knots
Rate of Climb	
Solo Weight	2990 ft/min
Gross Weight	2140 ft/min
Roll Rate	
Standard Wing	140
Extended Wing	90
Range	
Range Standard Fuel VFR Reserve	mi. 1219
Range Standard Fuel VFR Reserve	n.m. 1060
Range Extended Fuel VFR Reserve	mi. 1421
Range Extended Fuel VFR Reserve	n.m. 1236
Service Ceiling	
Normally aspirated	24,000 ft
Turbocharged	30,000+ ft.



*These conservative performance numbers are based on our customer's actual experience utilizing constant speed propellers and calibrated fuselage mounted static ports. Many Glasair III owners report higher performance speeds. Range is based on total fuel capacity with VFR reserve.

SPECIFICATIONS	
Fuselage Length	21.3 ft
Wing Span (Standard)	23.3 ft
Wing Span (Extended)	27.3 ft
Maximum Height	7.5 ft
Cabin Width	42 in
Fuel Capacity (usable)	
Main Tank (Wing)	65 gal
Header Tank	8 gal
Wing Tip Extensions	11 gal
Baggage Capacity	
Baggage Weight	100 lbs
Baggage Space	12 cu ft
Wing Data	
Wing Area	81.3 sq ft
Wing Tip Extension Area	10.2 sq ft
Aspect Ratio	6.20
Aspect Ratio/Tip Extension	7.64
G-Limits (2,120lbs/Aerobatic)	
Limit Loads	+6/-4 G's



Ultimate Loads	+9/-6 G's
Empty Weight	1,625 lbs
Gross Weight	
Standard Wing	2,400 lbs
Extended Wing	2,500 lbs

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