

Glair III Performance

Horsepower	300
Top Speed (TAS, Sea Level) [mph/kt]	290/252
Cruise Speeds (TAS) [mph/kt]	
75% power at 8,000'	278/242
65% power at 8,000'	264/230
Stall Speeds (Max Gross Weight)	
No Flaps (Vs) Standard Wing	86/75
(Vs) Optional Wing Tip Extensions	82/71
Full Flaps (Vso) Standard Flaps & Wings	78/68
(Vso) Slotted Flaps Standard Wings	73/63
(Vso) Slotted Flaps, Wingtip Extensions	67/58
Never Exceed Speed (Vne)	335/291
Rate of Climb Solo [fpm]	2990
Rate of Climb Max Gross [fpm]	2140
Range 65% Standard 70 gal. Fuel VFR Reserve [sm/nm]	1239/1077
Range 65% Optional 81 gal. Fuel VFR Reserve	1454/1265
Fuel Consumption (65%) [gal/h]	13.5

Glair III Specifications

Fuel Capacity Standard Wing Tank	62 gal
Fuel Capacity Standard Header Tank	8 gal
Optional Wingtip Extension Tanks	11 gal
Baggage Area [ft ³]	12
Baggage Capacity	100 lb
Cabin Width	42"
Wing Area [ft ²]	81.3
W/ Optional Wingtip Extensions [ft ²]	91.5
Wing Loading [lb/ft ²]	29.5
W/ Optional Wingtip Extensions [lb/ft ²]	27.3
Aspect Ratio	6.2
W/ Optional Wingtip Extensions	7.6
Empty Weight Typical	1625 lb
Max Gross Weight Typical	2400 lb
W/ Optional Wingtip Extensions	2500 lb
Structural Loads [g]	
Limit Load	+6/-4
Ultimate Load	+9/-6