

GLASTAR SERVICE LETTER 4

Subject: Operating limitations on floats

Applicability: All GlaStar aircraft operated on floats

Discussion: This service letter serves as the official statement of operating limitations for the GlaStar floatplane.

Speed:	m.p.h.:	kts.:
Best angle of climb speed (Vx)	75	65
Best rate of climb speed (Vy)	90	78
Stall speed at gross weight (no flaps) (Vs)	60*	52*
Stall speed at gross weight (full flaps) (Vso)	53*	46*
Maximum flap extension speed (Vfe)	86	75
Maneuvering speed (Va)	121	105
Maximum structural cruising speed (Vno)	153	133
Never-exceed speed (Vne)	171	149

The following airspeed indicator markings are prescribed:


Marking:	m.p.h.:	kts.:
White arc	53*-86	46*-75
Green arc	60*-153	52*-133
Yellow arc	153-171	133-149
Red line	171	149

Maximum approved gross weight is **2,100 lbs.** Structural limit loads at gross weight are **+3.8/-1.5 Gs.**



Note The stall speeds listed are derived from flight tests of the Stoddard-Hamilton GlaStar prototype, N824G, on Aerocet 2200 straight floats. Slight variations may be experienced in customer-built aircraft. Actual stall speeds should be determined for each individual aircraft, and the airspeed indicator markings should be adjusted appropriately.

Limitations for GlaStars on wheels are different. These are published in GlaStar Service Letter 2 and will be included in the GlaStar owner's manuals, which are forthcoming.

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