

## CLUB SHIP PERFORMANCE SUMMARY TABLE

(05-21-04 Rev 3 By SN & FR)	1-26		2-33		PW5		ASK21	
Description	mph	kts	(single / dual) mph		mph	kts	(single / dual) mph	(single / dual) kts
Vs (stall)	28	24	31 / 32			30 - 35		35/36
Va (maneuvering)	65	57	65			81		97
V ra (rough air)						81		
V Yellow Triangle (approach)	60	55	60			60		60
V Min Sink - Speed	38	33	38 / 40			39		36/40
V Min Sink - Rate	2.6 fps	156 fpm	2.6 fps	156 fpm	2.1 fps	125 fpm	2.13 fps	128 fpm
Vne (never exceed)	104	90	104			115		150
Vt (aero tow max)	95	82	98			81		97
Vw (winch / auto tow max)	60	52	69			65		81
V airbrake extend (max)						115		
V airbrake retract (max)						81		
Slip Speed	45-50	40-44	45-50			49		
Vf (flaps)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Vfe (flaps extend)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
L / D Speed	48	42	47/52			48		49
L/D Ratio	23:1		23:1			32.5:1		35:1
Empty Weight	380 #	173 kg			418 #	190 kg	794 #	360 kg
Gross Weight					660 #	300 kg	1323 #	600 kg
Cockpit Load - Total MAX	220 #	100 kg			242 #	110 kg	529 #	410 kg
Pilot & Chute MIN (front) *			Fwd 145		121 #	55 kg	154 #	70 kg
Pilot, Chute & Luggage MAX (front)			Aft 220 / Fwd 211		242 #	110 kg	242 #	110 kg
Pilot & Chute MAX (rear)			Aft 166 / Fwd 100		n/a	n/a	242 #	110 kg
Luggage (MAX Allowable)					11 #	5 kg		2 x 22 kg
Chute Weight					14 #	6.3 kg		
Battery Weight (PS 1270)					6 #	2.7 kg		
Tire Pres. - soft field (nose / main)	20 psi				16-17 / 28-30 psi	0.2 / 0.35 Mpa		2 bar
App Maneuvers	Fully Acrobatic				Utility Category**			
Wing Span	40 ft	12.19 m			44.1 ft	13.44 m	55.7 ft	17 m
Wing Aspect Ratio	10:1				17.8:1		16:1	
Load Factors (G) - Va					+5.3 / -2.6 G		+6.5 / - 4.0 G	
Load Factors (G) - Vne	+5.54 G		+5.4 G		+4.0 / -1.5 G		5.3 / -3.0 G	
Min. Tow Cable					65.5 ft	20m		
Max Altitude					35,000			
Cross Wind Component (max)					14	12	9	8

# symbol for "Pounds" units  
 \* PW5 for minimum pilot weight, seat position must be full forward.  
 \*\* Utility - Loop, stall, spin & spiral

*NOTE - This summary table is not a replacement for reading the Operating Hand Book for each glider. It is the pilots responsibility to have all the correct information for safe flight. Please report any errors and see your instructor.*