

## CLUB SHIP PERFORMANCE SUMMARY TABLE

(05-21-04 Rev 3 By SN & FR)	PW5		ASK21	
	mph	kts	(single / dual) mph	(single / dual) kts
Description				
Vs (stall)		30 - 35		35/36
Va (maneuvering)		81		97
V ra (rough air)		81		
V Yellow Triangle (approach)		60		60
V Min Sink - Speed		39		36/40
V Min Sink - Rate	2.1 fps	125 fpm	2.13 fps	128 fpm
Vne (never exceed)		115		150
Vt (aero tow max)		81		97
Vw (winch / auto tow max)		65		81
V airbrake extend (max)		115		
V airbrake retract (max)		81		
Slip Speed		49		
Vf (flaps)	n/a	n/a	n/a	n/a
Vfe (flaps extend)	n/a	n/a	n/a	n/a
L / D Speed		48		49
L/D Ratio	32.5:1		35:1	
Empty Weight	418 #	190 kg	794 #	360 kg
Gross Weight	660 #	300 kg	1323 #	600 kg
Cockpit Load - Total MAX	242 #	110 kg	529 #	410 kg
Pilot & Chute MIN (front) *	121 #	55 kg	154 #	70 kg
Pilot, Chute & Luggage MAX (front)	242 #	110 kg	242 #	110 kg
Pilot & Chute MAX (rear)	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)	16-17 / 28-30 psi / 0.35 Mpa			2 bar
App Maneuvers	Utility Category**			
Wing Span	44.1 ft	13.44 m	55.7 ft	17 m
Wing Aspect Ratio	17.8:1		16:1	
Load Factors (G) - Va	+5.3 / -2.6 G		+6.5 / - 4.0 G	
Load Factors (G) - Vne	+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			NOTE - This summary table is not a replacement for reading the each glider Operating Hand Book.	
* PW5 for minimum pilot weight, seat position must be full forward.				
** Utility - Loop, stall, spin & spiral				