

	OZONE - Buzz 4M	SKY PARAGLIDERS - Anakis 2L	ADVANCE - Epsilon 7 (26)	SKY PARAGLIDERS - Atis 4
Rating				
DHV	LTF-B Low level	LTF B Low Level	Middle to high end gliders	n/a
Thermik	B1	B1	B2	B3 (Atis 3)
Aspect Ratio	5.15	4.95	5.15	5.20
Glide ratio (average from sources)	8.8 (Buzz 3) (9.4 according to Ozone)	8.6	9.4	9.6
Launch characteristics				
	Balanced	Balanced – dynamic	Delayed	Balanced – dynamic
Asymetric collapses				
Height loss	30-39m	40-49m	30-39m	40-49m
G-force	2.3G	2.4G	2.2G	2.5G
Course change	90-180	180-270	90-180'	270-360'
Front collapse 40%				
Height loss	40-49m	30-39	30-39	30-39
Rotation, G-force	no	no	no	no
Note	Moderate pitch back, either rapid self recovery or delayed recovery with deflated wingtips, delayed return to normal flight and low pitch forward. No rotation	Moderate pitch back, moderate pitch forward, immediate recovery, no course change, low sink rates	Moderate pitch back, recovery times vary between fast and delayed with closed wingtips return to normal flight with low dive forward, no course change	Moderate pitch back, moderate pitch forward. Canopy middle opens fast, wingtips follow slightly delayed.
Front collapse maximum				
Height loss	30-39m	40-49m	>60m	30-39
Rotation, G-force	yes, >90'	no	yes, <90'	yes, <90'
Notes	Marked pitch back, marked pitch forward, usually fast self recovery occasionally asymmetric, rotation <90'	Marked pitch back, marked pitch forward, immediate recovery to normal flight, no course change.	Moderate pitch back. Stable frontstall with low course change tendency. No self recovery, pilot action required . Marked dive forward on pilot recovery. High sink rate.	Depending on collapse size, moderate to marked pitch back and forwards. Generally the canopy opens fast in the middle, and the wingtips follow slightly delayed. Occasional tendency for the canopy to deform in the middle and front horseshoe. Height loss relatively low, even for larger collapses
B-stall				
Sink rate	9m/s	8m/s	8m/s	8.5m/s
Pitch back on entry / exit	15-30 / 15-30	15-30 / >45	15-30 / 30-45	no / no
Notes	Canopy deforms slightly to rear but remains stable	Very stable sink phase, short deep stall on exiting	stable sink phase	Relatively high pitch back on entry. Delayed recovery with short deep-stall phase. Low pitch forward.
Spiral dive				
Vsink after...				
360		6	6	8
720		12	13	18
max		20	23	22
Gforce after...				
360		1.7	1.9	2.2
720		2.7	3.1	3.7
max		4.2	3.5	3.8
Notes	Moderate increase in Vsink during initiation phase. Dynamic transition to spiral phase. Exit relatively challenging due to constant sink rate for 360' and large height loss	Simple entry and exit.	Dynamic transition from entry to spiral. High sink rates attained in short time. Exit relatively easy, automatic recovery with low course change	Entry and transition to spiral phase moderately dynamic. Outer wingtip collapses. Easy exit. Rapid self recovery after short acceleration phase.
Big ears				
Entry	simple	simple	simple	easy
Exit	automatic	automatic, marked delay	automatic	automatic
Vsink (trim)	2.5m/s	3m/s	2.5m/s	3m/s
Vsink (full)	3.5m/s	4m/s	3.5m/s	4m/s
Notes	Very easy, wingtip stable, no flapping	Delayed recovery	Very easy	Very easy, wingtips stable, no flapping, good sink velocity
Speed difference trim - full	- 3km/h to - 5km/h + 3km/h to +5km/h	- 5km/h + 7km/h	- 3km/h to - 8km/h + 8km/h to +8km/h	- 3km/h + 5km/h