Key Design Features

5m Wing Test 2021

Feature	Description	Duotone *Echo*	Smik	Armstrong *A-Wing*	Starboard/Airush *FreeWing*	Cabrinha *Crosswing X2*	Ensis	F-One *Swing*	Naish *Wingsurfer*	Takuma *Wing Ride V3*	Ozone *Wasp V1*	PPC	Aztron *Wing*	RRD *Wind Wing*
Canopy Style	In resting state how tight is the fabric of the wing. Loose would mean it is not in tension, Tight means it is in tension. Medium refers to wings where front half is tight and back half is loose. Canopy Tension effects power,depower and resting state.	Medium	Medium-Tight	Loose	Loose	Tight	Medium-Tight	Medium	Loose	Tight	Loose	Medium-Loose	Loose	Loose
Plan Shape	Ratio between chord and tip to tip length/ general explanations of plan shape. Aspect ratio effects compact feel and tip catching, pumping speed and upwind performance. HA=High Aspect, MA = Medium Aspect, LA=Low Aspect	MA	MA-HA	MA	LA	MA-LA	MA	HA	MA	MA	LA	MA	HA	LA
Front Profile	What shape is the wing when looking from the front. Effects power and stability. V=Vee, SV=Soft Vee, FV=Flat Vee, F=Flat	V	SV	FV	SV	SV	SV	V	F	SV	FV	FV	SV	SV
Thickness of tubes	How thick is the leading edge tube - this has a big effect on the power and weight of the wing. M=Medium, T=Thick, N=Narrow	M	M	T	T	M	T	M	N	T	T	M	M	M
Boom /rib type	Type of inflation required on boom strut - does it have a separate chamber or is it inflated from the leading edge (Self inflating) - this effects ease of inflation and ease of deflation	N/A	Self-inflating	2nd Chamber	Self-inflating	2nd Chamber	Self-inflating	Self-inflating	Self-inflating	Self-inflating	Self-inflating	2nd Chamber	2nd Chamber	Self-inflating
Handles	Type of handle arrangement on boom	Boom infinite positions	6 on rib	4 boom 2 large cross	5 on boom 2 cross	Solid tube handles x 2	3 on boom 2 long 1 short	3 on boom	8 handles on boom	3 on boom 2 long 1 short	6 on boom 2 cross	4 on boom	4 on boom 1x long, 2xcross, 3 main boom	5 on boom
Windows	Does the wing include a window?	Y	N	Y	Y	N	N	N	Y	N	N	N	Y	Y
PSI	Inflation pressure (Pounds per square inch)	6	no recommendation Tested at 6	7.5	5	6.5/11.5 boom	7 to 8	6	7 to 9	8 to 9	7 to 8	8	6	6
Leash	Type of leash provided	Coiled	Webbing	Long Coiled	Webbing	Webbing	Webbing	Webbing	Straight Surf Style	Webbing	Webbing	Webbing	Small Coiled	Webbing
Weight	Wing plus leash weight in kg - dry	3.06	2.25	3.07	2.94	2.38	2.76	2.03	2.96	2.98	2.36	2.59	2.98	2.92
Valve type	Type of valve / pump attachment required	Duotone air lock	push fit	air lock,	push fit	air lock	max flow	isup	isup	max flow	push fit	push fit	isup	air lock
Measurements - Tip to Tip	Wing tip to wing tip measurement (cm)	336	333	347	324	313	344	358	313	344	307	338	353	314
Measurements - Chord	Front of leading edge to rear of boom (cm)	196	181	208	225	200	209	186	194	209	186	200	195	206