

# NOVA TECHNICAL DATA

Model	PRIMAX					ROOKIE					IBEX			
Type	XXS	XS	S	M	L	XXS	XS	S	M	L	15	17	19	
Zoom factor	0.87	0.915	0.96	1	1.035	0.87	0.91	0.96	1	1.035	0.77	0.82	0.87	
No of cells	28+8					31+8					31+8			
Projected wingspan	m	7.99	8.36	8.77	9.14	9.46	8.3	8.69	9.16	9.55	9.88	7.37	7.85	8.3
Projected surface area	m <sup>2</sup>	19.23	21.19	23.3	25.31	27.11	19.23	20.97	23.33	25.31	27.11	15.07	17.09	19.23
Projected aspect ratio		3.3	3.3	3.3	3.3	3.3	3.61	3.6	3.6	3.6	3.6	3.61	3.61	3.61
Flat wingspan	m	10.34	10.88	11.41	11.89	12.31	10.76	11.26	11.87	12.37	12.8	9.52	10.14	10.76
Flat surface area	m <sup>2</sup>	22.6	25.03	27.55	29.89	32.02	22.6	24.73	27.52	29.86	31.98	17.7	20.08	22.6
Flat aspect ratio		4.73	4.73	4.73	4.73	4.73	5.12	5.12	5.12	5.12	5.12	5.12	5.12	5.12
Line diameter	mm	1 / 1.4 / 1.85				1 / 1.4 / 1.85					0.6 / 1.4 / 1.85			
Line length	m	6.44	6.59	6.91	7.2	7.45	6.70	6.83	7.2	7.5	7.76	5.93	6.31	6.70
Line consumption	m	318	320	335	358	359	266	243	257	268	277	235	250	266
max. profile depth	m	2.71	2.85	3.00	3.12	3.105	2.61	2.73	2.88	3	3.105	2.33	2.48	2.61
min. profile depth	m	0.56	0.59	0.62	0.65	0.67	0.55	0.576	0.608	0.633	0.655	0.49	0.52	0.55
Weight	kg	5.2	5.6	6	6.5	7	5	5.4	5.8	6.3	6.8	3	3.4	3.8
Legal take-off weight LTF <sup>1</sup>	kg	55-75	65-85	75-100	85-110	100-130	55-85	65-90	75-100	85-110	100-130	50-100	50-110	55-120
Legal take-off weight DULV <sup>2</sup>	kg	-	-	75-130	85-160	100-180	-	-	85-150	95-150	110-180	-	-	-
Places		1	1	1	1	1	1	1	1	1	1	1	1	1
certification		LTF 1	LTF 1	LTF 1	LTF 1	LTF 1	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 2-3	LTF 2-3	LTF 1-2 (<95kg) / 2
certification EN			B	A	A	A		B	B	B	B			

Model	MAMBOO				MENTOR				RA			TYCOON			
Type	XS	S	M	L	XS	S	M	L	S	M	L	S	M	L	
Zoom factor	0.929	0.973	1.015	1.055	0.929	0.973	1.015	1.055	0.932	0.975	1.016	0.995	1.04	1.085	
No of cells	53				53				62			71			
Projected wingspan	m	9.1	9.54	9.95	10.34	9.06	9.48	9.89	10.28	9.51	10.0	10.41	10.04	10.49	
Projected surface area	m <sup>2</sup>	20.69	22.69	24.69	26.68	20.59	22.59	24.58	26.56	21.01	23.18	25.17	21	22.9	
Projected aspect ratio		4.01	4.01	4.01	4.01	3.98	3.98	3.98	3.98	4.3	4.3	4.3	4.8	4.8	
Flat wingspan	m	11.42	11.96	12.48	12.97	11.42	11.96	12.48	12.97	12.21	12.77	13.3	12.49	13.05	
Flat surface area	m <sup>2</sup>	23.93	26.25	28.56	30.86	24.0	26.33	28.65	30.96	24.83	27.15	29.48	24.3	26.57	
Flat aspect ratio		5.45	5.45	5.45	5.45	5.43	5.43	5.43	5.43	6.0	6.0	6.0	6.41	6.41	
Line diameter	mm	1 / 1.2 / 1.45				1 / 1.2 / 1.45				0.6 / 1.2 / 1.85			0.6 / 0.8 / 1.2		
Line length	m	7.25	7.59	7.92	8.23	6.97	7.3	7.61	7.91	7.25	7.6	7.92	7.96	8.32	
Line consumption	m	320	335	350	364	311	326	340.6	354	290	286	298	348	364	
max. profile depth	m	2.60	2.72	2.84	2.95	2.60	2.72	2.84	2.95	2.48	2.68	2.79	2.45	2.55	
min. profile depth	m	0.43	0.45	0.47	0.49	0.65	0.68	0.71	0.74	0.39	0.34	0.35	0.5	0.52	
Weight	kg	5.5	6	6.5	7	5.5	6	6.5	7	5.5	6	6.5	5.5	6	
Legal take-off weight LTF <sup>1</sup>	kg	65-85	80-100	90-110	100-130	70-90	80-100	95-110	105-130	80-100	90-112	100-130	80-100	90-110	
Legal take-off weight DULV <sup>2</sup>	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	
Places		1	1	1	1	1	1	1	1	1	1	1	1	1	
certification		LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 1-2	LTF 2	LTF 2	(2)	LTF 2-3	LTF 2-3	
certification EN					B	B		B							

Model	JAMBOO		SPEEDMAX			
Type	33	37	19	21	23	
Zoom factor	1.18	1.25	0.87	0.91	0.96	
No of cells	51		31+8			
Projected wingspan	m	11.37	12.04	8.33	8.71	9.16
Projected surface area	m <sup>2</sup>	33.07	37.1	19.23	21.04	23.33
Projected aspect ratio		3.9	3.9	3.61	3.61	3.6
Flat wingspan	m	14.13	14.97	10.76	11.26	11.87
Flat surface area	m <sup>2</sup>	38.34	43	22.6	24.73	27.52
Flat aspect ratio		5.2	5.2	5.12	5.12	5.12
Line diameter	mm	1.1 / 2.15 / 3.15		1.1 / 2.15 / 3.15		
Line length	m	8.85	9.37	6.70	7.00	7.2
Line consumption	m	407	432	323	338	352
max. profile depth	m	3.30	3.52	2.61	2.73	2.88
min. profile depth	m	0.87	0.92	0.55	0.576	0.608
Weight	kg	9	10	5.3	5.7	6.1
Legal take-off weight LTF <sup>1</sup>	kg	125-190	150-235	-	-	-
Legal take-off weight DULV <sup>2</sup>	kg	125-250	140-250	70-150	80-160	85-170
Places		1 / 2	1 / 2	1	1	1
Trimmer		yes	yes	yes	yes	yes
certification		LTF 1-2	LTF 1-2	DULV	DULV	DULV
certification EN						

<sup>1</sup> Pilot + ca. 17-20kg equipment (inkl. wing)

<sup>2</sup> for motor flying only

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Updated version : <http://www.nova-wings.com>

