

# ASRB Approval

AirSTAR / GTM UAV Inventory and ASRB Approval (Grouped by Kinetic Energy)

Vehicle Identification / Owner	Manufacturer Name	Comments and Notes	Wingspan inches	Wing Area sq. inches	Length inches	Weight (lb) lbs	Fuel Capacity ounces	Fuel Type K1, Nitro	Gross Weight lbs	mass kg	Speed (mph) mph	Velocity m/s	Kinetic Energy Joules	Propulsion Type	Total Thrust lbs(f)	Thrust : Weight Ratio	Mission Profile	Flight Time Minutes	Wing Load oz./ft2	ASRB Approval	Est. Value \$	ECN Number
Yak 54 Shockflyer	Icarus	(b)(7)(F)	35.0	252	33.5	0.5	na	na	0.5	0.2	40.0	17.9	36	Electric	1	2.00	GTM Pilot Tra	15	4.6	Pending	1,000	
Super Zoom	Hacker	(b)(7)(F)	39.5	361	40.0	1.0	na	na	1.0	0.5	40.0	17.9	73	Electric	1.5	1.50	GTM Pilot Tra	15	6.4	Pending	1,000	
Miracle	Hobby Lobby	(b)(7)(F)	35.5	297	36.5	1.2	na	na	1.2	0.5	40.0	17.9	87	Electric	1.2	1.00	GTM Pilot Tra	15	9.3	Pending	1,000	
Sailplane Eraser 2000, Xtrem	ICARE	ARF Assembled b	124.0	1054	38.0	6.2	na	na	4.0	1.8	50	22.4	454	Electric			GTM Pilot Tra	20	10.5	Pending	3,000	
Flash E-74	Weidmann model Tech	Foam E Turbine T	47.2			3.1	na	na	3.1	1.4	78	34.7	847	electric	-1.7	0.50	Trainer	8		Pending	1,000	
Sailplane DG - 600 M 4-4.8m scale 1:3.75	ICARE	ARF Assembled b	189.0	1162	72.0	10.3	na	na	11.0	5.0	50	22.4	1,247	Electric			GTM Pilot Tra	20	20.0	Pending	5,000	
Viper	Great Planes	ARF Assembled b	52.0	504	41.3	3.0	6	Nitro	3.4	1.5	120	53.6	2,221	OS .46	-4	>1	GTM Pilot Tra	8	15.5	4/21/2003	1,500	
33% J3 Cub / NASA	ModelTech	ARF Assembled b	132.0	2508	90.0	24.0	32	Gas	30.0	13.6	50	22.4	3,402	Zenoah 80	-18	-5	AirSTAR Elec	10	27.6	6/29/2004	2,500	
MIG 117 / NASA, VCU	Goldberg	OEM Built by NAS	67.0	800	74.0	13.3	32	Nitro	15.0	6.8	74	33.1	3,726	OS 91 (2.8	-12	-5	GTM Autonom	20	43.2	7/13/2004	2,500	
33% Edge 540 # 21 / NASA	Hanger 9	ARF Assembled b	97.5	1730.6	85.0	22.5	32	Gas	25.0	11.4	60	26.8	4,082	Zenoah 80	-18	0.72	AirSTAR Elec	10	33.3	10/19/2005	3,000	
33% Edge 540 # 22 / NASA	Hanger 9	ARF Assembled b	97.5	1730.6	85.0	22.5	32	Gas	25.0	11.4	60	26.8	4,082	Zenoah 80	-18	0.72	AirSTAR Elec	10	33.3	10/19/2005	3,000	
Ultra Stick 120 / NASA	Hanger 9	ARF Assembled b	76.0	1230	60.6	11.0	22	Nitro	14.0	6.4	85	38.0	4,588	OS 1.4 (3.3	-10	0.71	Pilot Training	12	27.7	5/13/2003	2,000	
Yak 54 50cc QB	Aeroworks	(b)(7)(F)	85.0	1409	77.5	18.5	24	Gas	20.0	9.1	80	35.8	5,806	DA-50 (5 h	28.0	1.40	GTM Pilot Tra	15	32.7	Pending	2,500	
FJ2 Fury / NASA	BVM Jets	OEM Built for TS	37.5	738.72	37.5	19.0	72	K1	21.6	9.8	175	78.2	30,045	JetCat P-7	17	0.79	GTM Pilot Tra	8	67.5	4/21/2003	10,000	
Eurosport / VCU	Composit-ARF.com	(b)(7)(F)	66.0	UNK	94.0	24.0	120	K1	30.0	13.6	150	67.1	30,616	JetCat P-1	27	0.90	VCU Operatic	12	-50	2/22/2005	10,000	
DV8R Turbine Trainer / VCU	PCM Models	Built for VCU	84.0	UNK	87.0	27.0	100	K1	32.2	14.6	150	67.1	32,872	JetCat P-8	18	0.56	GTM Autonom	10	-50	10/19/2005	15,000	
GTM T1 / NASA	NASA	Designed and Bui	94.0	868.32	96.0	43.8	218	K1	55.0	25.0	120	53.6	35,922	2ea. AMT	44	0.80	GTM Pilot Tra	13	145.9	1/18/2005	600,000	
GTM T2 / NASA	NASA	Designed and Bui	94.0	868.32	96.0	43.8	218	K1	55.0	25.0	120	53.6	35,922	2ea. AMT	44	0.80	GTM Pilot Tra	13	145.9	Pending	1,200,000	
T33 / NASA (No Longer in Service)	BVM Jets	Built by (b)(7)(F)	72.0	810	69.0	22.6	81	K1	25.6	11.6	180	80.5	37,679	AMT 180 S	22	0.86	GTM Pilot Tra	8	72.9	6/10/2003	12,000	
L1011 S1 / NASA (No Longer in Service)	PCM Models	OEM Built by PCM	85.0	1014.6	86.0	32.8	124	K1	46.5	21.1	135	60.3	38,438	JetCat P-1	27	0.58	GTM Pilot Tra	12	105.6	6/10/2003	35,000	
L1011 S2 / NASA	PCM Models	OEM Built by NAS	85.0	1014.6	86.0	33.3	132	K1	47.2	21.4	135	60.3	39,025	AMT-180	28	0.59	GTM Pilot Tra	9	107.2	6/10/2003	60,000	
L1011 D2 / NASA #23	PCM Models/NASA	OEM/Design and	85.0	1014.6	86.0	42.7	196	K1	56.0	25.4	135	60.3	46,291	2 ea. JetC	34	0.61	GTM Pilot Tra	12	127.2	Pending	20,000	
L1011 Mod2 D1 / NASA (No Longer in Service)	PCM Models/NASA	OEM/Design and	85.0	1014.6	86.0	46.7	256	K1	60.0	27.2	135	60.3	49,597	2 ea. JetC	34	0.57	GTM Pilot Tra	12	136.3	10/1/2004	80,000	
L1011 D3 / NASA #24	PCM Models/NASA	OEM/Design and	85.0	1014.6	86.0	46.7	256	K1	60.0	27.2	135	60.3	49,597	2 ea. JetC	34	0.57	GTM Pilot Tra	12	136.3	Pending	20,000	
KingCat Stars / NASA	BVM Jets	ARF Assembled b	94.0	1556	84.0	30.0	163	K1	38.5	17.5	200	89.4	69,849	JetCat P-1	27	0.70	GTM Pilot Tra	12	-55	3/10/2004	15,000	
KingCat Navy / NASA	BVM Jets	ARF Assembled b	94.0	1556	84.0	33.0	163	K1	41.5	18.8	200	89.4	75,292	JetCat P-1	27	0.65	GTM Pilot Tra	12	60.0	3/10/2004	15,000	
KingCat Navy / NASA	BVM Jets	ARF Assembled b	94.0	1556	84.0	33.0	163	K1	41.5	18.8	200	89.4	75,292	JetCat P-1	27	0.65	Autonavigatio	12	60.0	12/10/2004	20,000	
F100F / NASA	BVM Jets	OEM Built by BVM	69.0	1223	83.5	38.1	203	K1	48.6	22.1	200	89.4	88,173	Olympous	43	0.71	GTM Pilot Tra	8	90.4	10/27/2004	42,000	