

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) (6) | 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) (6) | 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) (6) | 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) (6) | 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 TSI | 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) (6) | 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) (6) | 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 | |