

VRA Aerotech Banned Motors

Green Motors - Mojave Green

Designation	Manufacturer	Type	Diam	Impulse	Avg Thr	Max Thr	Burn
G78G/L	AeroTech	single-use	29 mm	109.9 Ns	79.9 N	101.9 N	1.4 s
G76G	AeroTech	reload	29 mm	118.0 Ns	76.0 N	196.0 N	1.5 s
H250G	AeroTech	reload	29 mm	231.0 Ns	250.0 N	—	0.9 s
I245G	AeroTech	reload	38 mm	351.0 Ns	245.0 N	—	1.4 s
I170G	AeroTech	reload	54 mm	418.5 Ns	171.8 N	207.4 N	2.4 s
J740G	KBA	reload	38 mm	682.0 Ns	815.0 N	956.0 N	0.9 s
J500G	AeroTech	reload	38 mm	723.0 Ns	500.0 N	—	1.4 s
K805G	AeroTech	reload	54 mm	1,762.0 Ns	805.0 N	—	2.2 s
L2300G	KBA	reload	54 mm	2,756.0 Ns	2,435.0 N	2,943.0 N	1.3 s
L1390G	AeroTech	reload	75 mm	3,949.0 Ns	1,390.0 N	—	2.6 s
L2200G	AeroTech	reload	75 mm	5,104.0 Ns	2,200.0 N	—	2.3 s
M1500G	AeroTech	reload	75 mm	5,220.0 Ns	1,508.7 N	—	3.5 s
M2030G-P	AeroTech	reload	75 mm	5,485.0 Ns	2,030.0 N	—	2.6 s
M2100G	AeroTech	reload	98 mm	7,802.0 Ns	2,100.0 N	—	3.7 s

Sparky Motors - Metalstorm

Designation	Manufacturer	Type	Diam	Impulse	Avg Thr	Max Thr	Burn
G75M	AeroTech	single-use	29 mm	115.2 Ns	87.5 N	110.7 N	1.3 s
HP-G75M	AeroTech	single-use	29 mm	120.4 Ns	74.7 N	102.0 N	1.6 s
H170M	AeroTech	reload	38 mm	319.9 Ns	166.8 N	208.0 N	1.9 s
J340M	AeroTech	reload	38 mm	651.7 Ns	354.1 N	605.0 N	1.8 s
K540M	AeroTech	reload	54 mm	1,596.3 Ns	557.4 N	854.0 N	2.9 s
L1365M	AeroTech	reload	75 mm	4,780.0 Ns	1,365.0 N	1,735.0 N	3.5 s
M1305M	AeroTech	reload	98 mm	6,891.0 Ns	1,406.0 N	2,098.0 N	4.8 s

Sparky - Darkmatter

Designation	Manufacturer	Type	Diam	Impulse	Avg Thr	Max Thr	Burn
G72DM-14A	AeroTech	single-use	29 mm	105.0 Ns	80.8 N	105.6 N	1.3 s
HP-H115DM	AeroTech	single-use	29 mm	172.0 Ns	115.0 N	126.0 N	1.5 s
H178DM	AeroTech	reload	38 mm	283.0 Ns	162.0 N	202.0 N	1.7 s
I327DM	AeroTech	reload	38 mm	539.0 Ns	327.0 N	400.0 N	1.7 s
HP-I280DM	AeroTech	single-use	38 mm	561.0 Ns	280.0 N	386.0 N	1.9 s
J450DM	AeroTech	single-use	54 mm	1,055.0 Ns	465.0 N	558.0 N	2.3 s
K456DM	AeroTech	reload	54 mm	1,281.0 Ns	438.0 N	534.0 N	2.9 s
K990DM	AeroTech	reload	54 mm	1,867.0 Ns	931.0 N	1,075.0 N	2.0 s
K850DM	AeroTech	single-use	54 mm	1,869.0 Ns	922.0 N	1,094.0 N	2.0 s
L1040DM	AeroTech	reload	75 mm	3,769.0 Ns	992.0 N	1,255.0 N	3.8 s
L900DM	AeroTech	reload	75 mm	3,868.0 Ns	900.0 N	—	4.4 s
L875DM	AeroTech	single-use	75 mm	3,887.0 Ns	875.0 N	1,355.0 N	4.4 s
L1250DM	AeroTech	reload	75 mm	4,374.0 Ns	1,254.0 N	2,042.0 N	3.7 s
M1075DM	AeroTech	reload	98 mm	5,571.0 Ns	1,070.0 N	1,330.0 N	5.2 s
N2220DM	AeroTech	reload	98 mm	10,657.0 Ns	2,199.0 N	4,472.0 N	5.4 s

VRA CTI Banned Motors

Sparky - Skidmark

Designation	Manufacturer	Type	Diam	Impulse	Avg Thr	Max Thr	Burn
60F50-13A	Cesaroni	reload	24 mm	59.7 Ns	50.0 N	69.9 N	1.2 s
93G80-14A	Cesaroni	reload	29 mm	92.9 Ns	80.5 N	112.2 N	1.2 s
114G100-14A	Cesaroni	reload	24 mm	114.5 Ns	98.1 N	178.8 N	1.2 s
117G69-14A	Cesaroni	reload	38 mm	121.1 Ns	69.2 N	103.9 N	1.8 s
138G106-14A	Cesaroni	reload	29 mm	138.3 Ns	106.0 N	128.7 N	1.3 s
176H123-12A	Cesaroni	reload	29 mm	176.5 Ns	123.0 N	149.8 N	1.4 s
220H160-14A	Cesaroni	reload	29 mm	220.5 Ns	159.0 N	191.9 N	1.4 s
232H123-14A	Cesaroni	reload	38 mm	232.4 Ns	122.5 N	153.3 N	1.9 s
258H180-14A	Cesaroni	reload	29 mm	258.0 Ns	179.6 N	266.1 N	1.4 s
305H226-14A	Cesaroni	reload	29 mm	305.0 Ns	225.6 N	362.3 N	1.4 s
338I180-14A	Cesaroni	reload	38 mm	338.4 Ns	180.9 N	213.0 N	1.9 s
396I140-14A	Cesaroni	reload	54 mm	395.6 Ns	137.1 N	164.0 N	1.9 s
434I223-14A	Cesaroni	reload	38 mm	434.1 Ns	223.4 N	259.6 N	1.9 s
660J381-15A	Cesaroni	reload	38 mm	659.9 Ns	380.6 N	503.1 N	1.6 s
683J250-15A	Cesaroni	reload	54 mm	682.8 Ns	250.0 N	337.6 N	2.7 s
699J145-19A	Cesaroni	reload	54 mm	699.1 Ns	143.7 N	505.3 N	4.9 s
848J520-16A	Cesaroni	reload	38 mm	848.4 Ns	519.4 N	658.2 N	1.6 s
1016J360-15A	Cesaroni	reload	54 mm	1,015.9 Ns	362.3 N	559.3 N	2.8 s
1364K454-19A	Cesaroni	reload	54 mm	1,363.7 Ns	454.1 N	620.0 N	3.0 s
1654K515-16A	Cesaroni	reload	54 mm	1,653.9 Ns	513.4 N	718.5 N	3.2 s
1955K735-P	Cesaroni	reload	75 mm	1,955.2 Ns	735.7 N	911.0 N	2.7 s
2010K675-18A	Cesaroni	reload	54 mm	2,009.6 Ns	673.8 N	991.6 N	3.0 s
2304K815-P	Cesaroni	reload	54 mm	2,303.7 Ns	814.9 N	1,246.5 N	2.8 s
2946L820-P	Cesaroni	reload	75 mm	2,945.6 Ns	819.9 N	984.8 N	3.6 s
4828L1410-P	Cesaroni	reload	75 mm	4,828.3 Ns	1,409.1 N	1,669.9 N	3.4 s
5933M1770-P	Cesaroni	reload	75 mm	5,933.4 Ns	1,776.8 N	2,195.2 N	3.3 s
6827M2080-P	Cesaroni	reload	75 mm	6,827.3 Ns	2,081.5 N	2,611.3 N	3.3 s
8088M1790-P	Cesaroni	reload	98 mm	8,088.9 Ns	1,786.0 N	2,092.7 N	4.5 s
11077N2600-P	Cesaroni	reload	98 mm	11,077.3 Ns	2,585.5 N	3,047.7 N	4.3 s
14263N3400-P	Cesaroni	reload	98 mm	14,263.3 Ns	3,403.1 N	3,741.6 N	4.2 s
29920O3700-P	Cesaroni	reload	161 mm	29,919.9 Ns	3,654.3 N	4,081.6 N	8.2 s