

FAA Waiver is required for all flights with more than 125 g propellant weight.

L1 Cert is required for HPR motors, defined as having more than 62.5g propellant OR more than 80 N average thrust OR more than 160 Nsec total impulse

LEUP is required for single use motors with more than 62.5g propellant

Info based on web sources and believed but not guaranteed accurate. Restrictions based on information as published.

Key:	
Org data in black	Motor may not be used under Notification Rules
Mfr data in red	Motor may be used conditionally

Designation	Mfg.	Size (mm)	Propellant Mass (grams)	Total Impulse (N-sec.)	Cert. Org.	Decertified date, Add'l Notes, Restrictions
1/4A Motors						
MicroMaxx-1	Quest	6 x 16	0.4	0.2	NAR	1/12A.2-1
1/4A2-2,4	Apogee	10.5 x 38	0.8	0.62	NAR	
1/4A3-3T	Estes	13 x 45	0.8	0.62	NAR	
1/2A Motors						
1/2A2-2,4,6	Apogee	10.5 x 38	1.5	1.25	NAR	
1/2A6-2	Centuri	18 x 70	2.6	1.25	NAR	7/1/01
1/2A3-2T,4T	Estes	13 x 45	2	1.25	NAR	
1/2A6-2	Estes	18 x 70	2.6	1.25	NAR	
A Motors						
A2-0,3,5,7	Apogee	10.5 x 57	3	2.5	NAR	
A8-3	Centuri	18 x 70	3.3	2.5	NAR	7/1/01
A10-0T	Estes	13 x 45	3.8	2.5	NAR	
A10-3T	Estes	13 x 45	3.8	2.5	NAR	
A3-4T	Estes	13 x 45	3.3	2.5	NAR	
A8-3	Estes	18 x 70	3.3	2.5	NAR	
A8-5	Estes	18 x 70	3.3	2.5	NAR	7/1/01
A6-3,5	FSI	18 x 70	3	2.4	NAR	
A6-4	Quest	18 x 70	3.5	2.5	NAR	
B Motors						
B2-0,3,5,7,9	Apogee	10.5 x 89	6	5	NAR	
B7-4,6,8,10	Apogee	13 x 45	2.8	5	NAR	
B6-0,4,6	Centuri	18 x 70	5.6	5	NAR	7/1/01
B4-2,4	Centuri	18 x 70	6	5	NAR	7/1/01
B8-5	Centuri	18 x 70	5.5	5	NAR	7/1/01
B4-2,4	Estes	18 x 70	6	5	NAR	
B4-6	Estes	18 x 70	6	5	NAR	7/1/01
B6-0	Estes	18 x 70	5.6	5	NAR	7/1/04
B6-2,4,6	Estes	18 x 70	5.6	5	NAR	
B8-5	Estes	18 x 70	5.5	5	NAR	7/1/01
B6-0,3,5	FSI	18 x 70	6	4.9	NAR	7/1/01

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B6-0,2,4,6	Quest	18 x 70	6.5	5	NAR	
C Motors						
C4-3,5,7	Apogee	18 x 50	4.5	9.5	NAR	
C6-4,7,10	Apogee	13 x 83	7	10	NAR	
C10-4,7,10	Apogee	18 x 50	4.9	10	NAR	
C5-3	Centuri	18 x 70			NAR	7/1/01
C5-3S	Centuri	18 x 70	11.3	9.5	NAR	7/1/01
C6-0,3,5,7	Centuri	18 x 70	10.8	9	NAR	7/1/01
C5-3	Estes	18 x 70	11.3	9.5	NAR	
C6-0,3,5,7	Estes	18 x 70	10.8	9	NAR	
C6-0,3,5	FSI	18 x 70	12	9.5	NAR	7/1/01
C6-0	Quest	18 x 70	12	9.5	NAR	
C6-3,5	Quest	18 x 70	12	8.5	NAR	
C6-7	Quest	18 x 70	11	8.1	NAR	
D Motors						
D21-4,7,10	Aerotech	18 x 70	9.6	20	NAR	
D24T-4,7,10	Aerotech RMS	18 x 70	8.7	19.6	TRA	
D7-RC	Aerotech RMS	24 x 70	10.5	20	NAR	
D9-4,7	Aerotech RMS	24 x 70	10.1	20	NAR	
D13-4,7,10	Aerotech RMS	18 x 70	9.8	20	NAR	
D15-4,6	Aerotech RMS	24 x 70	8.9	20	NAR	
D15-8	Aerotech RMS	24 x 70	8.9	20	NAR	7/1/02
D3-3,5,7	Apogee	18 x 77	9.8	19.5	NAR	
D10-3,5,7	Apogee	18 x 70	9.8	19.5	NAR	
D12-0,3,5,7	Centuri	24 x 70	21.1	17	NAR	7/1/01
D11-P	Estes	24 x 70	24.5	18	NAR	
D12-0,3,5	Estes	24 x 70	21.1	17	NAR	
D12-7	Estes	24 x 70	21.1	17	NAR	7/1/04
D18-0,4,6	FSI	21 x 95	16.1	14.6	NAR	7/1/01
D20-0,3,5,7	FSI	21 x 95	20	17	NAR	7/1/2001 if dated 2/87 or later
E Motors						
E6-4,6,8,P	Aerotech/Apogee	24 x 70	21.5	40	NAR	
E15-4,7,PW	Aerotech	24 x 70	20.1	40	NAR	
E6-RC	Aerotech RMS	24 x 70	21.5	40	NAR	
E7-RC	Aerotech RMS	24 x 70	17.1	30	NAR	
E11-4	Aerotech RMS	24 x 70	25	35	NAR	7/1/02
E12J-RC	Aerotech RMS	24 x 70	30.3	36	NAR	
E16-4,7	Aerotech RMS	29 x 124	19	40	NAR	
E16-10	Aerotech RMS	29 x 124	19	40	NAR	7/1/02
E18-4,8	Aerotech RMS	24 x 70	20.7	39	NAR	
E18-10	Aerotech RMS	24 x 70	20.7	39	NAR	7/1/02
E23-5,8	Aerotech RMS	29 x 124	17.4	37	NAR	

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E28-2,5	Aerotech RMS	24 x 70	18.4	40	NAR	
E28-8	Aerotech RMS	24 x 70	18.4	40	NAR	7/1/02
E30-4,7	Aerotech	24 x 70	19.3	40	NAR	
E5-0,4,6	FSI	21 x 95	21	21.5	NAR	7/1/2001 if dated 2/87 or later
E60-0,4,6,8	FSI	27 x 114	40.4	29	NAR	7/1/01
E15-4,7	Rocketvision	24 x 70	20.1	40	NAR	
F Motors						
F10-4,6,8	Aerotech/Apogee	29 x 85	40.7	80	NAR	
F20-4,7	Aerotech	29 x 73	30	64	NAR	
F23FJ-4,7	Aerotech	29 x 73	32	56	NAR	
F25W-4,6,9	Aerotech	29 x 98	35.6	80	NAR	
F25-4,6,9	Aerotech	29 x 98	35.6	80	NAR	"Classic" Decertified as of 7/1/2002
F32-5,10,15	Aerotech	24 x 124	37.7	80	NAR	
F50-4,6,9	Aerotech	29 x 95	37.9	80	NAR	
F72-5,10,15	Aerotech	24 x 124	36.8	80	NAR	
F101T-S,M,L	Aerotech	24 x 124	48.3	78.6	TRA	Requires L1 Cert
F12-2,5	Aerotech RMS	24 x 70	30	45	NAR	
F13-RC	Aerotech RMS	32 x 107	32.3	63	NAR	
F16-RC	Aerotech RMS	32 x 107	62.5	80	NAR	
F22-4,7	Aerotech RMS	29 x 124	46.3	65	NAR	
F23-RC-SK	Aerotech RMS	32 x 107	37.8	70	NAR	
F24-4,7	Aerotech RMS	24 x 70	19	50	NAR	
F37-6,10,14	Aerotech RMS	29 x 99	28.2	50	NAR	
F39-3	Aerotech RMS	24 x 70	22.7	50	NAR	7/1/02
F39-6,9	Aerotech RMS	24 x 70	22.7	50	NAR	
F40-4,7,10	Aerotech RMS	29 x 124	40	80	NAR	
F52-6,8,11	Aerotech RMS	29 x 124	36.6	78	NAR	
F62T-S,M,L	Aerotech RMS	29 x ??	25	52.2	TRA	
F7-4,6	FSI	27 x 152	58	50	NAR	7/1/01
F100-0,4,6,8,10	FSI	29 x 152	50	41.6	NAR	7/1/2001; Requires L1 Cert
F80,4,6,8,10	FSI	29 x 152	50	41.6	NAR	7/1/01
F62-4,6,9	NCR	29 x 103	51.5	80	NAR	
F50-6	Public Missiles	29 x 95	37.9	80	NAR	
F32-5,10,15	Rocketvision	24 x 124	37.7	80	NAR	
F72-5,10,15	Rocketvision	24 x 124	36.8	80	NAR	
G Motors						
G25-5,10,15	Aerotech	29 x 124	62.5	120	NAR	
G35-4,7	Aerotech	29 x 98	50	105	NAR	
G38FJ-4,7	Aerotech	29 x 98	55	94	NAR	
G40W-4,7,10	Aerotech	29 x 124	55.1	120	NAR	
G40-4,7,10	Aerotech	29 x 124	55.1	120	NAR	"Classic" Decertified as of 7/1/2002
G55-5,10,15	Aerotech	24 x 177	62.5	125	NAR	

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G80-4,7,10	Aerotech	29 x 124	56.9	120	NAR	
G125T-5,10,15	Aerotech	29 x 124		117.3	TRA	Requires L1 Cert
G12RC	Aerotech RMS	32 x 107	51.1	93	NAR	
G33-5,7	Aerotech RMS	29 x 124	72.2	100	NAR	Requires L1 Cert
G54-6,10,14	Aerotech RMS	29 x 124	46	85	NAR	
G64-4,8,10	Aerotech RMS	29 x 124	62.5	120	NAR	
G75J-S,M	Aerotech RMS	29 x 194	105.6	145.6	TRA	Requires L1 Cert
G104T-S,M,L	Aerotech RMS	29 x 125	40.8	83	TRA	Requires L1 Cert
G60_137-12A	Cesaroni Tech	38 x 125	78.4	139.4	TRA	Requires L1 Cert
G40-P	Kosdon	29 x 206	48.4	120	NAR	
G65	Kosdon	29 x 206	93	137	TRA	Requires L1 Cert
G75-7	Kosdon	29 x 206	67.5	150	NAR	Requires L1 Cert
G70-5,7,10	NCR	29 x 103	62	90	NAR	Never sold at retail
G40-4,7	Public Missiles	29 x 124	55.1	120	NAR	
G80-4,7	Public Missiles	29 x 124	56.9	120	NAR	
G55-5,10,15	Rocketvision	24 x 177	62.5	125	NAR	

H Motors

ALL MOTORS H AND ABOVE REQUIRE LEVEL 1 CERTIFICATION

H45W-10,15	Aerotech	38 x 194	186	289.3	TRA	Requires FAA WAIVER and LEUP
H55W-6,10,14	Aerotech	29 x 191	93	157.1	TRA	Requires LEUP
H70W-6,10,14	Aerotech	29 x 229	111	214.8	TRA	Requires LEUP
H124FJ-6,10,14	Aerotech	29 x		??	TRA	Requires LEUP
H125W-S,M,L	Aerotech	29 x 330	185.7	321.8	TRA	Requires FAA WAIVER and LEUP
H73J-S,M	Aerotech RMS	38 x 152	125	188.6	TRA	
H97J-S,M	Aerotech RMS	29 x 238	140.9	191.2	TRA	Requires FAA WAIVER
H112J-S,M	Aerotech RMS	38 x 191	187.5	265.7	TRA	Requires FAA WAIVER
H123W-S,M,L	Aerotech RMS	38 x 152	125	246.8	TRA	
H128W-S,M,L	Aerotech RMS	29 x 194	94.4	177.9	TRA	
H180W-S,M,L	Aerotech RMS	29 x 238	123	236.8	TRA	
H220-6,10,14	Aerotech RMS	29 x 238	106.4	220	NAR	
H238T-S,M,L	Aerotech RMS	29 x 194	83.8	178.4	TRA	
H242T-S,M,L	Aerotech RMS	38 x 152	110	246	TRA	
H110_265-13A	Cesaroni Tech	38 x 184	145.6	270.7		Requires FAA WAIVER
H70-P	Kosdon	29 x 291	81.7	180	NAR	
H105	Kosdon	29 x 289	145.1	223	TRA	Requires FAA WAIVER
H135-11	Kosdon	29 x 291	112	240	NAR	
H155	Kosdon	29 x 203	81	160	TRA	
H200	Kosdon	25 x 383	123	250	TRA	
H255	Kosdon	29 x 292	135	266	TRA	Requires FAA WAIVER
H365	Kosdon	25 x 383	125	260	TRA	
H470	Kosdon	25 x 466	155	295	TRA	Requires FAA WAIVER
H70	R.A.T.T. Works	29 x 457	108	177.4	TRA	Hybrid