

Motor Classification Based on Thrust

<i>Model Rocketry</i>								
Letter	Low Thrust		High Thrust		Min. Site (Feet)*	Min. Site (Miles)	Min. Safe Launch Dist.	Cert. Req't
	Newtons	Pounds	Newtons	Pounds				
A	1.3	0.3	2.5	0.6	100		25	N O N E
B	2.5	0.6	5.0	1.1	200		25	
C	5.0	1.1	10.0	2.2	400		25	
D	10.0	2.2	20.0	4.4	500		25	
E	20.0	4.4	40.0	8.9	1,000		40	
F	40.0	8.9	80.0	17.8	1,000		40	
G	80.0	17.8	160.0	35.6	1,000		40	
<i>High Power Rocketry</i>								
H	160	36	320	71	1,500	0.3	50	Level-1
I	320	71	640	142	2,500	0.5	100	
J	640	142	1,280	284	5,280	1.0	100	Level-2
K	1,280	284	2,560	569	5,280	1.0	200	
L	2,560	569	5,120	1,138	10,560	2.0	300	
M	5,120	1,138	10,240	2,276	15,480	2.9	500	Level-3
N	10,240	2,276	20,480	4,551	21,120	4.0	1,000	
O	20,480	4,551	40,960	9,102	26,400	5.0	1,500	
* Note: Minimum site recommendation is the larger of the number above, or 1/2 the total altitude flying that day.								
Newton-to-Pounds Conversion:				4.5				