

UKRoC Approved Motor List

Only motors from this list may be used in the UKRoC competition.

Manufacturer	Motor	Impulse Newton-sec (note 1)	Delay sec (note 2)	Propellant weight gm	Diameter mm	Notes
Estes	A8	2.5	3,5	3.12	18	Black Powder
	B4	5	2,4	8.33	18	Black Powder
	B6	5	0,2,4,6	6.24	18	Black Powder
	C6	10	0,3,5,7	12.48	18	Black Powder
	C11	10	0,3,5,7	11	24	Black Powder
	D12	20	0,3,5,7	24.93	24	Black Powder
Klima	A6	2.5	4	3.5	18	
	B4	4.9	0	5	18	
	B5	5.9	4	5.8	18	
	C2	9.8	0	11.5	18	
	C2	9.8	P	11	18	
	C6	10	0	8.9	18	
	C6	10	3	9.5	18	
	C6	10	5	10.2	18	
	C6	10	7	11	18	
	C6	10	P	8.4	18	
	D3	17.4	0	17.2	18	
	D3	17.4	P	16.7	18	
	D9	19.5	0	15.5	18	
	D9	19.5	3	16.1	18	
	D9	19.5	5	16.6	18	
D9	19.5	7	17.2	18		
D9	19.5	P	15	18		
Cesaroni Pro 24 (Note 3)	26 E 31	26	6,8,10,12,15	11.2	24	White Thunder, 1G casing
	24 E 22	24	4,6,8,10,13	11.2	24	Smoky Sam, 1G casing
	53 F 70	53	5,7,9,11,14	22.5	24	White Thunder, 2G casing
	50 F 51	50	4,6,8,10,13	22	24	Blue Streak, 2G casing
	75 F 51	75	2,5,7,9,12	33	24	Classic, 3G casing
	60 F 50	60	4,6,8,10,13	31.7	24	Skidmark, 3G casing
	74 F 85	74	6,8,10,12,15	33.7	24	White Thunder, 3G casing
	73 F 30	73	2,4,6	40	24	White Longburn, 3G casing
68 F 79	68	4,6,8,10,13	40.1	24	Smoky Sam, 3G casing	
Cesaroni Pro 29 (Note 3)	56 F 31	56	3,5,7,9,12	25.7	29	Classic, 1G casing
	51 F 36	51	5,7,9,11,14	25.6	29	Blue Streak, 1G casing
	41 F 36	41	2,4,6,8,11	29.5	29	Smoky Sam, 1G casing
	57 F 59	57	3,5,7,9,12	26.1	29	White Thunder, 1G casing
	53 F 32	53	3,5,7,9,12	29.9	29	White, 1G casing

## Notes

1. Where a motor has versions with different delays and there are minor differences in another parameter such as total impulse the highest value is selected.
2. A delay of "P" means that the motor is plugged and has no ejection charge
3. Vmax and I<sub>max</sub> propellants are not allowed.