

Motor Thrust Details

Engine Characteristics Summary

Newton--> lb.

Conversion 4.48

Aerotech RMS Reload	Dia. (mm)	Total Impulse (ns)	Burn Time (Sec)	Max Thrust (N)	Avg Thrust (N)	Length (In.)	HW	Total Loaded Weight (lbs.)	Max Lbs. (5:1) Rocket Only	Max Lbs. Loaded Rocket + Motor	Est. Price Reload
29mm Motors											
G075J	29	148	2.2	98	68	7.63	29/180	0.52	2.5	3.0	\$ 16
H128W	29	179	1.2	202	155	7.63	29/180	0.45	6.5	6.9	\$ 16
H165R	29	162	1.1	196	154	7.64	29/180	0.45	6.4	6.9	\$ 16
H238T	29	179	0.9	232	193	7.63	29/180	0.42	8.2	8.6	\$ 16
H097J	29	191	2.1	109	92	9.40	29/240	0.62	3.5	4.1	\$ 20
H180W	29	235	1.2	253	201	9.38	29/240	0.55	8.4	9.0	\$ 20
H210R	29	212	1.0	262	210	9.37	29/240	0.55	8.8	9.4	\$ 21
H220R	29	216	1.0	276	215	9.37	29/240	0.52	9.1	9.6	\$ 21
H268R	29	313	1.2	360	265	13.11	29/360	0.80	11.0	11.8	\$ 31
I-200W	29	330	1.6	447	205	13.10	29/360	0.80	8.4	9.2	\$ 29
38mm Motors											
H112J	38	262	3.0	111	89	7.90	38/360	0.85	3.1	4.0	\$ 28
I161W	38	335	2.0	261	165	7.95	38/360	0.83	6.5	7.4	\$ 28
I218R	38	321	1.5	286	214	7.50	38/360	0.83	8.7	9.6	\$ 30
I357T	38	360	1.4	373	266	8.00	38/360	0.80	11.1	11.9	\$ 30
I154J	38	387	3.0	173	127	9.90	38/480	1.10	4.6	5.7	\$ 33
I211W	38	435	2.1	353	210	9.90	38/480	1.05	8.3	9.4	\$ 33
I285R	38	418	1.5	379	279	9.90	38/480	1.10	11.4	12.5	\$ 35
I300T	38	426	1.4	474	300	9.90	38/480	0.98	12.4	13.4	\$ 35
I195J	38	425	1.6	442	266	11.70	38/600	1.28	10.6	11.9	\$ 38
I284W	38	606	1.9	519	314	11.70	38/600	1.25	12.8	14.0	\$ 38
I366R	38	545	1.5	504	363	11.70	38/600	1.24	15.0	16.2	\$ 41
I435T	38	569	1.1	1,171	500	11.70	38/600	1.16	21.2	22.3	\$ 41
I600R	38	640	1.2	822	600	13.60	38/720	1.36	25.4	26.8	\$ 47
J350W	38	700	1.8	923	395	13.50	38/720	1.46	16.2	17.6	\$ 43
J420R	38	652	1.6	610	405	13.30	38/720	1.45	16.6	18.1	\$ 47
J570W	38	1,060	1.8	1,907	571	18.90	38/1080	2.00	23.5	25.5	\$ 63

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54mm Motors											
J90W	54	690	6.5	193	106	9.50	54/852	1.90	2.8	4.7	\$ 57
J180T	54	794	4.3	388	185	9.00	54/852	1.85	6.4	8.3	\$ 63
J275W	54	848	3.5	341	244	9.00	54/852	1.93	9.0	10.9	\$ 57
J315R	54	763	2.6	383	295	9.60	54/852	1.90	11.3	13.2	\$ 63
J460T	54	867	1.9	662	451	9.00	54/852	1.79	18.3	20.1	\$ 63
J135W	54	1,050	6.8	280	155	14.50	54/1280	2.55	4.4	6.9	\$ 66
J415W	54	1,300	3.0	661	434	14.50	54/1280	2.58	16.8	19.4	\$ 66
J540R	54	1,159	2.3	676	515	14.50	54/1280	2.42	20.6	23.0	\$ 74
J800T	54	1,280	1.9	1,450	686	14.50	54/1280	2.42	28.2	30.6	\$ 74
K185W	54	1,390	6.9	352	202	17.00	54/1706	3.20	5.8	9.0	\$ 82
K550W	54	1,638	3.0	828	547	17.00	54/1706	3.32	21.1	24.4	\$ 82
K695R	54	1,507	2.3	916	670	17.00	54/1706	3.32	26.6	29.9	\$ 94
K1100T	54	1,605	1.6	1,985	991	17.00	54/1706	3.00	41.2	44.2	\$ 94
K700W	54	2,305	3.2	1,215	720	23.00	54/2560	4.54	27.6	32.1	\$115
K1275R	54	2,163	2.0	1,619	1,081	23.00	54/2560	4.54	43.7	48.3	\$131
75mm Motors											
K560W	75	2,560	4.6	799	563	15.60	75/2560	6.06	19.1	25.1	\$115
K780R	75	2,360	3.0	965	791	11.40	75/2560	6.55	28.8	35.3	\$131
L850W	75	3,728	4.2	1,342	890	20.90	75/3840	8.20	31.5	39.7	\$164
L1150R	75	3,560	3.1	1,346	1,136	20.91	75/3840	8.20	42.5	50.7	\$189
L1420R	75	4,610	3.3	1,700	1,420	26.20	75/5120	10.00	53.4	63.4	\$246
M1297W	75	5,416	4.2	1,792	1,297	26.20	75/5120	10.37	47.5	57.9	\$213
M1315W	75	6,686	4.9	2,666	1,260	31.52	75/6400	12.60	43.7	56.3	\$262
M1550R	75	5,600	3.6	2,438	1,553	31.50	75/6400	12.60	56.7	69.3	\$303
98mm Motors											
K458	98	2,465	6.0	586	458	10.83	98/2560	6.97	13.5	20.4	\$128
K650	98	2,405	3.7	753	650	11.38	98/2560	6.46	22.6	29.0	\$144
K680	98	2,358	3.5	835	680	11.38	98/2560	6.54	23.8	30.4	\$144
L952	98	4,656	6.2	1,021	952	16.81	98/5120	11.04	31.5	42.5	\$246
L1300	98	4,567	3.5		1,300	16.81	98/5120	13.93	44.1	58.0	\$279
L1500	98	5,089	3.5	1,752	1,500	26.18	98/5120	10.26	56.7	67.0	\$279

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M1419	98	7,756	7.1	1,590	1,419	22.80	98/7680	15.23	48.1	63.3	\$366
M1600	98	7,084	4.0	1,917	1,600	22.80	98/7680	15.24	56.2	71.4	\$410
M2400	98	7,717	3.2	3,401	2,400	23.50	98/7680	14.21	92.9	107.1	\$410
M1939	98	10,481	6.2	2,431	1,939	28.82	98/10240	19.80	66.8	86.6	\$492
M2000	98	9,218	4.0	2,327	2,000	28.82	98/10240	19.80	69.5	89.3	\$574
M2500	98	9,671	3.9	3,710	2,500	29.57	98/10240	17.76	93.8	111.6	\$599
N2000	98	13,347	6.9	3,141	2,000	41.18	98/15360	27.06	62.2	89.3	\$689