

Aveox Motor Technical Specification Chart, and Price List											Aveox Product Information		
Model Number (See Note 1 below)	Price	Shaft Size	Gear ratio	Turns	Stator/ Rotor length	Power rating (see notes)	Speed Constant (Kv) (Neutral)	Torque Constant In Oz/ Amp	Winding Resistance Ohms (Rt)	No Load Current (Io)	Dimensions Weight, Length, Diameter	Most efficient Current at specified voltage	Max RPM
1114/4Y	129.99	1/8"	N/A	3.5	1.4	400W	2682	.50	.032	1.8A	5 Oz, 2.5" x 1.1	25A @ 11V	40,000
F5D Pylon	189.95	5mm	N/A	1	.9"	500W	4450	.301	.005	4.0	8.7 oz, 2.06"x1.47"	77A @6V	40,000
F7LMR*	244.99	5mm	3.7:1	1.5	.6"	500W	1040	1.300	.008	4.5	9.4 Oz.	50A@6V	11,000
F10 LMR*	264.99	5mm	3.7:1	1.5	.6"	80A	1040	1.300	.008	4.5	9.7 oz	60A@9V	11,000
V12 Formula	264.99	5mm	3.7:1	3	.6	40A	540	2.49	.038	1.4	9.7	21A @ 13V	11,000
F12LMR*	274.99	5mm	3.7:1	1.5	.9"	70A	700	1.931	.009	4.5	12 oz	910A@11V	11,000
F16 LMR*	274.99	5mm	3.7:1	2	.9"	60A	540	2.504	.018	2.5/5	12 oz	75A@18V	11,000
F27*	284.99	5mm	3.7:1	2	1.2"	65A	400	3.380	.020	2.5/5	14 oz	80A@25V	11,000
Rc 7 Oval	149.99	1/8"	N/A	1.5	.6"	50A/80A	4000	.338	.009	2.7	6.9oz, 1.76"x1.47"	31A@7V	40,000
1406/2Y	149.99	5mm	N/A	2	.6"	34A/60A	3000	.451	.018	2.7	6.9oz, 1.76"x1.47"	31A@7V	40,000
1406/3Y	149.99	5mm	N/A	3	.6"	24A/55A	2000	.676	.037	1.6	6.9oz, 1.76"x1.47"	21A@10V	40,000
1406/4Y	149.99	5mm	N/A	4	.6"	18A/41A	1500	.901	.060	1.2	6.9oz, 1.76"x1.47"	17A@14V	40,000
1409/1.5Y	159.99	5mm	N/A	1.5	.9	50/100A	2582	0.524	.010	3.8	8.7 oz, 2.06"x1.47"		40,000
1409/2Y	159.99	5mm	N/A	2	.9"	39A/90A	2000	.676	.020	2.3	8.7 oz, 2.06"x1.47"	47A@7V	40,000
1409/3Y	159.99	5mm	N/A	3	.9"	26A/60A	1333	1.014	.040	1.6	8.7 oz, 2.06"x1.47"	21A@10V	40,000
1409/4Y	159.99	5mm	N/A	4	.9"	19A/45A	1000	1.352	.069	.8	8.7 oz, 2.06"x1.47"	16A@14V	40,000
1412/1.5Y	169.99	5mm	N/A	1.5	1.2"	60A/120A	2085	.650	.010	3.8	10.2oz, 2.36"x1.47"	65A@10V	40,000
1412/2Y	169.99	5mm	N/A	2	1.2"	43A/100A	1450	.932	.018	2.7	10.2oz, 2.36"x1.47"	51A@10V	40,000
1412/3Y	169.99	5mm	N/A	3	1.2"	29A/67A	955	1.416	.045	1.6	10.2oz, 2.36"x1.47"	24A@16V	40,000
1412/4Y	169.99	5mm	N/A	4	1.2"	22A/50A	725	1.865	.065	.7	10.2oz, 2.36"x1.47"	19A@24V	40,000
1412/5Y	224.95	5mm	N/A	5	1.2"	17A/40A	585	2.311	.105	.5	10.2oz, 2.36"x1.47"	15A@30V	40,000
1415/1.5Y	224.95	5mm	N/A	1.5	1.5	60/120	1568	0.848	.010	2.50	12.2oz, 2.66"x1.47"		40,000
1415/2Y	224.95	5mm	N/A	2	1.5	60A/120A	1190	1.130	.022	1.8	12.2oz, 2.66"x1.47"	33A@13V	40,000
1415/3Y	224.95	5mm	N/A	3	1.5	50A/100A	790	1.703	.050	1.2	12.2oz, 2.66"x1.47"	20A@18V	40,000
1415/4Y	224.95	5mm	N/A	4	1.5	30A/60A	595	2.261	.088	.9	12.2oz, 2.66"x1.47"	15A@23V	40,000
1415/5Y	224.95	5mm	N/A	5	1.5	20A/40A	467	2.280	.143	.7	12.2oz, 2.66"x1.47"	13A@32V	40,000
1817/2Y	549.99	5mm	N/A	2	1.7"	38A/75A	650	2.080	.027	3	20.2oz, 3.43"x1.79"	42A@24V	15,000
1817/3Y	549.99	5mm	N/A	3	1.7"	25A/49A	433	.297	.060	1.2	20.2oz, 3.43"x1.79"	19A@30V	15,000
1817/4Y	549.99	5mm	N/A	4	1.7"	19A/38A	325	4.160	.108		20.2oz, 3.43"x1.79"	13A@36V	15,000
2310/4Y	749.99	5mm	N/A	4	1.0"	3200W	450	3.004			26oz, 2.75"x2.25"		10,000
2310/6Y	749.99	5mm	N/A	6	1.0"	3200W	360	3.756	.117		26oz, 2.75"x2.25"		10,000
2315/6Y	799.99	5mm	N/A	6	1.5"	3500W	248	5.452			30oz, 3.25"x2.25"		10,000
2315/8Y	799.99	5mm	N/A	8	1.5"	3500W	185	7.308	.147		30oz, 3.25"x2.25"		10,000

Brushless Motor Features

Ultra efficient design: typically greater than **85%** at half of maximum power. Precision machined out of **stainless steel and aluminum**, uses Mil-Spec temperature components, Super high energy **neodymium-iron-boron magnets** on all motors. **No brushes** to wear out or cause electrical noise. **No run-in required;** the motor is at its peak performance when you buy it and that will never change. **Zero-maintenance:** The only wearing parts are two sealed ball bearings which have a rated life of 30,000 hours. Same diameter (1400 series) as a Mabuchi 540 can type 05 brush motor.

Notes on Motor Specs.

- Designation;** 1409/2Y means 1.4" diameter, 0.9" magnet length, 2 turns in the Y (Wye) wind configuration.
- The Maximum Power and Currents listed are for 20 seconds or less.** Continuous means the length of time it will take to discharge a 2000 mah battery pack at that current in a moving radio controlled model. Industrial users can dissipate 1 watt for every square inch of motor surface area. $(V \times I_o) + (I^2 \times R) =$ watts of heat. Max rated Temperature is 80C. 175F.
- 1/8" shafts available on all 1400 series motors by special order. Specify the diameter shaft you want when you place your order.**
- A brushless motor controller is required to run a brushless motor.** Using a normal speed controller may damage both the motor and the speed control.
- For the same # of turns, a **Delta** wind motor has twice the RPM/V as a **Y** wind motor. For example, a 1412/7D would be between a 1412/3Y and a 1412/4Y.