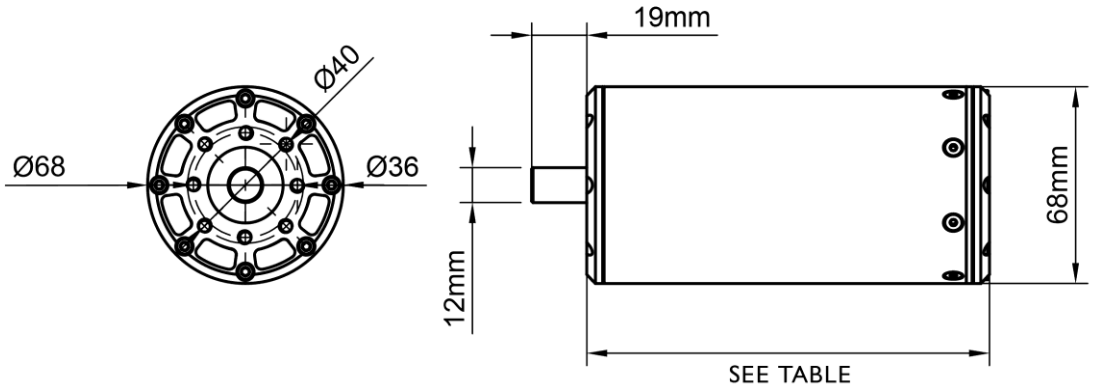

Stator lengths available:

Model	Length (in) / (mm)		Weight(g)	Continuous Watts	Base Price
2515	3.0"	75mm	900g	1,500	869.00
2530	4.5"	114mm	1750g	3,000	1,310.00

Motor type: inrunner
Poles: 16
Slots: 18
Finned: Optional
Sealed: Optional
Sensored: Call
Gearbox(es): Call
Shaft size(s): 12mm
Max RPM: 7,500

2515

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	2.6	3.0	31.7 ozs.	1,500	3,000
mm:	66	75	897g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	Torque Constant inOz/A	Max Volts (max rpm/Kv)	**Max Amps (max watts/volts)**
2515/6D/184	184	0.043	0.900	52.002	7.364	41	74
2515/5.75D/192	192	0.040	0.939	49.835	7.057	39	77
2515/5.5D/200	200	0.036	0.982	47.842	6.775	38	80
2515/3Y/204	204	0.032	1.000	46.904	6.642	37	82

2515

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	2.6	3.0	31.7 ozs.	1,500	3,000
mm:	66	75	897g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	Torque Constant inOz/A	Max Volts (max rpm/Kv)	**Max Amps (max watts/volts)**
2515/5.25D/210	210	0.033	1.029	45.564	6.452	36	84
2515/5D/220	220	0.030	1.080	43.493	6.159	34	88
2515/2.75Y/223	223	0.027	1.091	42.908	6.076	34	89
2515/4.75D/232	232	0.027	1.137	41.243	5.841	32	93
2515/4.5D/245	245	0.024	1.200	39.055	5.531	31	98
2515/2.5Y/245	245	0.023	1.200	39.055	5.531	31	98
2515/4.25D/259	259	0.022	1.271	36.944	5.232	29	104
2515/2.25Y/272	272	0.018	1.333	35.178	4.982	28	109
2515/4D/275	275	0.019	1.350	34.794	4.927	27	110
2515/3.75D/294	294	0.017	1.440	32.546	4.609	26	118
2515/2Y/306	306	0.014	1.500	31.269	4.428	25	122
2515/3.5D/315	315	0.015	1.543	30.376	4.302	24	126
2515/3.25D/339	339	0.013	1.662	28.225	3.997	22	136
2515/1.75Y/350	350	0.011	1.714	27.338	3.871	21	140
2515/3D/367	367	0.011	1.800	26.072	3.692	20	147
2515/2.75D/401	401	0.009	1.964	23.861	3.379	19	160
2515/1.5Y/408	408	0.008	2.000	23.452	3.321	18	163
2515/2.5D/441	441	0.007	2.160	21.697	3.073	17	176
2515/1.25Y/490	490	0.006	2.400	19.527	2.765	15	196
2515/2.25D/490	490	0.006	2.400	19.527	2.765	15	196
2515/2D/551	551	0.005	2.700	17.366	2.459	14	220

2530

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	2.6	4.5	61.7 ozs.	3,000	6,000
mm:	66	114	1746g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	Torque Constant inOz/A	Max Volts (max rpm/Kv)	**Max Amps (max watts/volts)**
2530/6D/92	92	0.086	0.900	104.004	14.728	82	74
2530/5.75D/96	96	0.079	0.939	99.671	14.115	78	77
2530/5.5D/100	100	0.073	0.982	95.684	13.550	75	80

2530

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	2.6	4.5	61.7 ozs.	3,000	6,000
mm:	66	114	1746g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	Torque Constant inOz/A	Max Volts (max rpm/Kv)	**Max Amps (max watts/volts)**
2530/3Y/102	102	0.065	1.000	93.808	13.284	74	82
2530/5.25D/105	105	0.066	1.029	91.128	12.905	71	84
2530/5D/110	110	0.060	1.080	86.985	12.318	68	88
2530/2.75Y/111	111	0.054	1.091	86.202	12.207	68	89
2530/4.75D/116	116	0.054	1.137	82.486	11.681	65	93
2530/2.5Y/122	122	0.045	1.200	78.430	11.107	61	98
2530/4.5D/122	122	0.049	1.200	78.430	11.107	61	98
2530/4.25D/130	130	0.043	1.271	73.603	10.423	58	104
2530/2.25Y/136	136	0.036	1.333	70.356	9.963	55	109
2530/4D/138	138	0.038	1.350	69.336	9.819	54	110
2530/3.75D/147	147	0.034	1.440	65.091	9.218	51	118
2530/2Y/153	153	0.029	1.500	62.539	8.856	49	122
2530/3.5D/157	157	0.029	1.543	60.945	8.631	48	126
2530/3.25D/169	169	0.025	1.662	56.618	8.018	44	135
2530/1.75Y/175	175	0.022	1.714	54.677	7.743	43	140
2530/3D/184	184	0.022	1.800	52.002	7.364	41	147
2530/2.75D/200	200	0.018	1.964	47.842	6.775	38	160
2530/1.5Y/204	204	0.016	2.000	46.904	6.642	37	163
2530/2.5D/220	220	0.015	2.160	43.493	6.159	34	176
2530/1.25Y/245	245	0.011	2.400	39.055	5.531	31	196
2530/2.25D/245	245	0.012	2.400	39.055	5.531	31	196
2530/2D/275	275	0.010	2.700	34.794	4.927	27	220
2530/1Y/306	306	0.007	3.000	31.269	4.428	25	245
2530/1.75D/315	315	0.007	3.086	30.376	4.302	24	252
2530/1.5D/367	367	0.005	3.600	26.072	3.692	20	294
2530/0.75Y/408	408	0.004	4.000	23.452	3.321	18	326
2530/1.25D/441	441	0.004	4.320	21.697	3.073	17	353
2530/1D/551	551	0.002	5.400	17.366	2.459	14	441

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DOMESTIC CONTENT / COUNTRY OF ORIGIN
Motors may be assembled with varying degrees of domestic (USA) content. Please contact to discuss content requirements, solutions, and resulting pricing variances, if any. Baseline motors are assembled and or tested in the US or Mexico from components sourced globally, including China.

QUALITY CONTROL
Our factory is ISO 9001 certified. Quality documentation available on a custom order basis.

POWER RATINGS (Watts):
Continuous rating is the power the motor can deliver while maintaining the external housing temperatures below 100C.

MAX power rating is the power the motor can deliver beginning with motor at a temp of 20C until it reaches it's limit temperature of 100C. The exact maximum power output of a motor is dependent on a number of variables including air flow, ambient air temperature, contact cooling, etc. 100C rating is measured on the outside of the case, which allows for higher internal temperatures and a small measure of overhead.

MAX VOLTAGE
Limited by kv (RPMs per volt) times the applied voltage. Max voltage must be kept below the voltage which will spin the motor over max rpm for the motor series.

MAX AMPERAGE
See power ratings above.

MTBF RATINGS:
When used within the constraints described above, BLDC motors' primary "wear" item(s) are the bearings supporting the shaft. Bearing life is inversely affected by speed, temperature, radial and axial loads. While an MTBF figure can be generated, it would be rendered invalid by excursions beyond prescribed temperatures or load limits – such as prop strikes or side loads. MTBF must be determined on a case by case basis, and even then it would be subject to numerous exceptions.

COMPONENT SPECIFICATIONS
Winding temperature: 180C
Magnet grade: 180C UH grade
Bearings: Japanese SPB bearings

Specifications subject to change without notice.