



Lorem Ipsum

**Stator lengths available:**

Model	Length (in) / (mm)	Weight(g)	Continuous Watts	Base Price
1506	1.8" / 46mm	170g	500	241.00
1509	2.1" / 53mm	212g	750	274.00
1512	2.4" / 61mm	280g	1,000	285.00
1515	2.7" / 69mm	340g	1,250	325.00
1518	3.3" / 84mm	410g	1,500	351.00
1521	3.3" / 84mm	478g	1,750	362.00
1524	4.0" / 102mm	549g	2,000	373.00
1527	4.0" / 102mm	616g	2,250	406.00
1530	4.3" / 108mm	685g	2,750	428.00
1533	5.2" / 132mm	775g	3,000	493.00
1536	5.2" / 132mm	825g	3,250	504.00
1539	5.2" / 132mm	895g	3,500	515.00
1542	5.5" / 140mm	906g	3,750	
1545	5.8" / 147mm	957g	4,000	

38mm OD 1500 series motors are amongst our most popular motors. Operating at up to 5,500w, the Neu 1500 series are highly configurable in case length and type, and they are offered with numerous cooling and gearbox options. The 1500 series is a great choice for high power density, high-rpm applications.

- UAVs

- Race car cooling systems
- industrial drills
- cooling fans
- pumps

**Motor type:** inrunner

**Poles:** 4p

**Slots:** 12s

**Finned:** Optional

**Sealed:** Optional

**Sensored:** Optional

**Gearbox(es):** P32, P42

**Shaft size(s):** 3.17 or 5mm

**Max RPM:** 60,000

## 1506

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	1.8	6 ozs.	500	1,000
mm: 38	46	170g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
1506/6D/1650	1,650	0.029	0.750	5.799	0.821	36	28
1506/5.75D/1722	1,722	0.026	0.783	5.557	0.787	35	29
1506/5.5D/1800	1,800	0.024	0.818	5.316	0.753	33	30
1506/3Y/1833	1,833	0.022	0.833	5.220	0.739	33	31
1506/5.25D/1886	1,886	0.022	0.857	5.073	0.718	32	31
1506/5D/1980	1,980	0.020	0.900	4.833	0.684	30	33
1506/2.75Y/2000	2,000	0.018	0.909	4.784	0.678	30	33
1506/4.75D/2084	2,084	0.018	0.947	4.591	0.650	29	35
1506/4.5D/2200	2,200	0.016	1.000	4.349	0.616	27	37
1506/2.5Y/2200	2,200	0.015	1.000	4.349	0.616	27	37
1506/4.25D/2329	2,329	0.014	1.059	4.108	0.582	26	39
1506/2.25Y/2444	2,444	0.012	1.111	3.915	0.554	25	41
1506/4D/2475	2,475	0.013	1.125	3.866	0.547	24	41
1506/3.75D/2640	2,640	0.011	1.200	3.624	0.513	23	44
1506/2Y/2750	2,750	0.010	1.250	3.479	0.493	22	46
1506/3.5D/2829	2,829	0.010	1.286	3.382	0.479	21	47
1506/3.25D/3046	3,046	0.008	1.385	3.141	0.445	20	51
1506/1.75Y/3143	3,143	0.007	1.429	3.044	0.431	19	52
1506/3D/3300	3,300	0.007	1.500	2.900	0.411	18	55
1506/2.75D/3600	3,600	0.006	1.636	2.658	0.376	17	60
1506/1.5Y/3667	3,667	0.005	1.667	2.609	0.370	16	61
1506/2.5D/3960	3,960	0.005	1.800	2.416	0.342	15	66
1506/1.25Y/4400	4,400	0.004	2.000	2.175	0.308	14	73

### 1506

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	1.8	6 ozs.	500	1,000
mm: 38	46	170g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1506/2.25D/4400</b>	4,400	0.004	2.000	2.175	0.308	14	73
<b>1506/2D/4950</b>	4,950	0.003	2.250	1.933	0.274	12	83
<b>1506/1Y/5500</b>	5,500	0.002	2.500	1.740	0.246	11	92
<b>1506/1.75D/5657</b>	5,657	0.002	2.571	1.691	0.240	11	94
<b>1506/1.5D/6600</b>	6,600	0.002	3.000	1.450	0.205	9	110
<b>1506/0.75Y/7333</b>	7,333	0.001	3.333	1.305	0.185	8	122
<b>1506/1.25D/7920</b>	7,920	0.001	3.600	1.208	0.171	8	132
<b>1506/1D/9900</b>	9,900	0.001	4.500	0.967	0.137	6	165

### 1509

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.1	7.5 ozs.	750	1,500
mm: 38	53	212g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1509/6D/1100</b>	1,100	0.043	0.750	8.699	1.232	55	28
<b>1509/5.75D/1148</b>	1,148	0.040	0.783	8.335	1.180	52	29
<b>1509/5.5D/1200</b>	1,200	0.036	0.818	7.974	1.129	50	30
<b>1509/3Y/1222</b>	1,222	0.032	0.833	7.830	1.109	49	31
<b>1509/5.25D/1257</b>	1,257	0.033	0.857	7.612	1.078	48	31
<b>1509/5D/1320</b>	1,320	0.030	0.900	7.249	1.027	45	33
<b>1509/2.75Y/1333</b>	1,333	0.027	0.909	7.178	1.017	45	33
<b>1509/4.75D/1389</b>	1,389	0.027	0.947	6.889	0.976	43	35
<b>1509/2.5Y/1467</b>	1,467	0.023	1.000	6.522	0.924	41	37
<b>1509/4.5D/1467</b>	1,467	0.024	1.000	6.522	0.924	41	37
<b>1509/4.25D/1553</b>	1,553	0.022	1.059	6.161	0.873	39	39
<b>1509/2.25Y/1630</b>	1,630	0.018	1.111	5.870	0.831	37	41
<b>1509/4D/1650</b>	1,650	0.019	1.125	5.799	0.821	36	41
<b>1509/3.75D/1760</b>	1,760	0.017	1.200	5.437	0.770	34	44
<b>1509/2Y/1833</b>	1,833	0.014	1.250	5.220	0.739	33	46
<b>1509/3.5D/1886</b>	1,886	0.015	1.286	5.073	0.718	32	47

### 1509

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.1	7.5 ozs.	750	1,500
mm: 38	53	212g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1509/3.25D/2031</b>	2,031	0.013	1.385	4.711	0.667	30	51
<b>1509/1.75Y/2095</b>	2,095	0.011	1.429	4.567	0.647	29	52
<b>1509/3D/2200</b>	2,200	0.011	1.500	4.349	0.616	27	55
<b>1509/2.75D/2400</b>	2,400	0.009	1.636	3.987	0.565	25	60
<b>1509/1.5Y/2444</b>	2,444	0.008	1.667	3.915	0.554	25	61
<b>1509/2.5D/2640</b>	2,640	0.007	1.800	3.624	0.513	23	66
<b>1509/1.25Y/2933</b>	2,933	0.006	2.000	3.262	0.462	20	73
<b>1509/2.25D/2933</b>	2,933	0.006	2.000	3.262	0.462	20	73
<b>1509/2D/3300</b>	3,300	0.005	2.250	2.900	0.411	18	83
<b>1509/1Y/3667</b>	3,667	0.004	2.500	2.609	0.370	16	92
<b>1509/1.75D/3771</b>	3,771	0.004	2.571	2.537	0.359	16	94
<b>1509/1.5D/4400</b>	4,400	0.003	3.000	2.175	0.308	14	110
<b>1509/0.75Y/4889</b>	4,889	0.002	3.333	1.957	0.277	12	122
<b>1509/1.25D/5280</b>	5,280	0.002	3.600	1.812	0.257	11	132
<b>1509/1D/6600</b>	6,600	0.001	4.500	1.450	0.205	9	165
<b>1509/0.5Y/7333</b>	7,333	0.001	5.000	1.305	0.185	8	183
<b>1509/0.75D/8800</b>	8,800	0.001	6.000	1.087	0.154	7	220

### 1512

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.4	9.9 ozs.	1,000	2,000
mm: 38	61	280g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1512/6D/825</b>	825	0.058	0.750	11.598	1.642	73	28
<b>1512/5.75D/861</b>	861	0.053	0.783	11.113	1.574	70	29
<b>1512/5.5D/900</b>	900	0.048	0.818	10.632	1.506	67	30
<b>1512/3Y/917</b>	917	0.043	0.833	10.434	1.478	65	31
<b>1512/5.25D/943</b>	943	0.044	0.857	10.147	1.437	64	31
<b>1512/5D/990</b>	990	0.040	0.900	9.665	1.369	61	33
<b>1512/2.75Y/1000</b>	1,000	0.036	0.909	9.568	1.355	60	33

**1512**

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.4	9.9 ozs.	1,000	2,000
mm: 38	61	280g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1512/4.75D/1042</b>	1,042	0.036	0.947	9.183	1.300	58	35
<b>1512/2.5Y/1100</b>	1,100	0.030	1.000	8.699	1.232	55	37
<b>1512/4.5D/1100</b>	1,100	0.032	1.000	8.699	1.232	55	37
<b>1512/4.25D/1165</b>	1,165	0.029	1.059	8.213	1.163	52	39
<b>1512/2.25Y/1222</b>	1,222	0.024	1.111	7.830	1.109	49	41
<b>1512/4D/1238</b>	1,238	0.026	1.125	7.729	1.095	48	41
<b>1512/3.75D/1320</b>	1,320	0.022	1.200	7.249	1.027	45	44
<b>1512/2Y/1375</b>	1,375	0.019	1.250	6.959	0.985	44	46
<b>1512/3.5D/1414</b>	1,414	0.020	1.286	6.767	0.958	42	47
<b>1512/3.25D/1523</b>	1,523	0.017	1.385	6.283	0.890	39	51
<b>1512/1.75Y/1571</b>	1,571	0.015	1.429	6.091	0.863	38	52
<b>1512/3D/1650</b>	1,650	0.014	1.500	5.799	0.821	36	55
<b>1512/2.75D/1800</b>	1,800	0.012	1.636	5.316	0.753	33	60
<b>1512/1.5Y/1833</b>	1,833	0.011	1.667	5.220	0.739	33	61
<b>1512/2.5D/1980</b>	1,980	0.010	1.800	4.833	0.684	30	66
<b>1512/1.25Y/2200</b>	2,200	0.008	2.000	4.349	0.616	27	73
<b>1512/2.25D/2200</b>	2,200	0.008	2.000	4.349	0.616	27	73
<b>1512/2D/2475</b>	2,475	0.006	2.250	3.866	0.547	24	83
<b>1512/1Y/2750</b>	2,750	0.005	2.500	3.479	0.493	22	92
<b>1512/1.75D/2829</b>	2,829	0.005	2.571	3.382	0.479	21	94
<b>1512/1.5D/3300</b>	3,300	0.004	3.000	2.900	0.411	18	110
<b>1512/0.75Y/3667</b>	3,667	0.003	3.333	2.609	0.370	16	122
<b>1512/1.25D/3960</b>	3,960	0.002	3.600	2.416	0.342	15	132
<b>1512/1D/4950</b>	4,950	0.002	4.500	1.933	0.274	12	165
<b>1512/0.5Y/5500</b>	5,500	0.001	5.000	1.740	0.246	11	183
<b>1512/0.75D/6600</b>	6,600	0.001	6.000	1.450	0.205	9	220
<b>1512/0.5D/9900</b>	9,900	0.000	9.000	0.967	0.137	6	330

### 1515

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.7	12 ozs.	1,250	2,000
mm: 38	69	340g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
1515/6D/660	660	0.072	0.750	14.498	2.053	91	22
1515/5.75D/689	689	0.066	0.783	13.887	1.967	87	23
1515/5.5D/720	720	0.060	0.818	13.289	1.882	83	24
1515/3Y/733	733	0.054	0.833	13.054	1.849	82	24
1515/5.25D/754	754	0.055	0.857	12.690	1.797	80	25
1515/5D/792	792	0.050	0.900	12.081	1.711	76	26
1515/2.75Y/800	800	0.045	0.909	11.961	1.694	75	27
1515/4.75D/834	834	0.045	0.947	11.473	1.625	72	28
1515/2.5Y/880	880	0.038	1.000	10.873	1.540	68	29
1515/4.5D/880	880	0.040	1.000	10.873	1.540	68	29
1515/4.25D/932	932	0.036	1.059	10.267	1.454	64	31
1515/2.25Y/978	978	0.030	1.111	9.784	1.385	61	33
1515/4D/990	990	0.032	1.125	9.665	1.369	61	33
1515/3.75D/1056	1,056	0.028	1.200	9.061	1.283	57	35
1515/2Y/1100	1,100	0.024	1.250	8.699	1.232	55	37
1515/3.5D/1131	1,131	0.024	1.286	8.460	1.198	53	38
1515/3.25D/1218	1,218	0.021	1.385	7.856	1.112	49	41
1515/1.75Y/1257	1,257	0.018	1.429	7.612	1.078	48	42
1515/3D/1320	1,320	0.018	1.500	7.249	1.027	45	44
1515/2.75D/1440	1,440	0.015	1.636	6.645	0.941	42	48
1515/1.5Y/1467	1,467	0.014	1.667	6.522	0.924	41	49
1515/2.5D/1584	1,584	0.012	1.800	6.041	0.855	38	53
1515/1.25Y/1760	1,760	0.009	2.000	5.437	0.770	34	59
1515/2.25D/1760	1,760	0.010	2.000	5.437	0.770	34	59
1515/2D/1980	1,980	0.008	2.250	4.833	0.684	30	66
1515/1Y/2200	2,200	0.006	2.500	4.349	0.616	27	73
1515/1.75D/2263	2,263	0.006	2.571	4.228	0.599	27	75
1515/1.5D/2640	2,640	0.004	3.000	3.624	0.513	23	88
1515/0.75Y/2933	2,933	0.003	3.333	3.262	0.462	20	98
1515/1.25D/3168	3,168	0.003	3.600	3.020	0.428	19	106
1515/1D/3960	3,960	0.002	4.500	2.416	0.342	15	132

### 1515

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	2.7	12 ozs.	1,250	2,000
mm: 38	69	340g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1515/0.5Y/4400</b>	4,400	0.002	5.000	2.175	0.308	14	147
<b>1515/0.75D/5280</b>	5,280	0.001	6.000	1.812	0.257	11	176
<b>1515/0.5D/7920</b>	7,920	0.000	9.000	1.208	0.171	8	264
<b>1515/0.25Y/8800</b>	8,800	0.000	10.000	1.087	0.154	7	293

### 1518

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	3.3	14.5 ozs.	1,500	3,000
mm: 38	84	410g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1518/6D/550</b>	550	0.086	0.750	17.397	2.464	109	28
<b>1518/5.75D/574</b>	574	0.079	0.783	16.670	2.361	105	29
<b>1518/5.5D/600</b>	600	0.073	0.818	15.947	2.258	100	30
<b>1518/3Y/611</b>	611	0.065	0.833	15.660	2.218	98	31
<b>1518/5.25D/629</b>	629	0.066	0.857	15.212	2.154	95	31
<b>1518/5D/660</b>	660	0.060	0.900	14.498	2.053	91	33
<b>1518/2.75Y/667</b>	667	0.054	0.909	14.345	2.031	90	33
<b>1518/4.75D/695</b>	695	0.054	0.947	13.767	1.950	86	35
<b>1518/4.5D/733</b>	733	0.049	1.000	13.054	1.849	82	37
<b>1518/2.5Y/733</b>	733	0.045	1.000	13.054	1.849	82	37
<b>1518/4.25D/776</b>	776	0.043	1.059	12.330	1.746	77	39
<b>1518/2.25Y/815</b>	815	0.036	1.111	11.740	1.663	74	41
<b>1518/4D/825</b>	825	0.038	1.125	11.598	1.642	73	41
<b>1518/3.75D/880</b>	880	0.034	1.200	10.873	1.540	68	44
<b>1518/2Y/917</b>	917	0.029	1.250	10.434	1.478	65	46
<b>1518/3.5D/943</b>	943	0.029	1.286	10.147	1.437	64	47
<b>1518/3.25D/1015</b>	1,015	0.025	1.385	9.427	1.335	59	51
<b>1518/1.75Y/1048</b>	1,048	0.022	1.429	9.130	1.293	57	52
<b>1518/3D/1100</b>	1,100	0.022	1.500	8.699	1.232	55	55
<b>1518/2.75D/1200</b>	1,200	0.018	1.636	7.974	1.129	50	60

## 1518

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	3.3	14.5 ozs.	1,500	3,000
mm:	38	84	410g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1518/1.5Y/1222</b>	1,222	0.016	1.667	7.830	1.109	49	61
<b>1518/2.5D/1320</b>	1,320	0.015	1.800	7.249	1.027	45	66
<b>1518/2.25D/1467</b>	1,467	0.012	2.000	6.522	0.924	41	73
<b>1518/1.25Y/1467</b>	1,467	0.011	2.000	6.522	0.924	41	73
<b>1518/2D/1650</b>	1,650	0.010	2.250	5.799	0.821	36	83
<b>1518/1Y/1833</b>	1,833	0.007	2.500	5.220	0.739	33	92
<b>1518/1.75D/1886</b>	1,886	0.007	2.571	5.073	0.718	32	94
<b>1518/1.5D/2200</b>	2,200	0.005	3.000	4.349	0.616	27	110
<b>1518/0.75Y/2444</b>	2,444	0.004	3.333	3.915	0.554	25	122
<b>1518/1.25D/2640</b>	2,640	0.004	3.600	3.624	0.513	23	132
<b>1518/1D/3300</b>	3,300	0.002	4.500	2.900	0.411	18	165
<b>1518/0.5Y/3667</b>	3,667	0.002	5.000	2.609	0.370	16	183
<b>1518/0.75D/4400</b>	4,400	0.001	6.000	2.175	0.308	14	220
<b>1518/0.5D/6600</b>	6,600	0.001	9.000	1.450	0.205	9	330
<b>1518/0.25Y/7333</b>	7,333	0.000	10.000	1.305	0.185	8	367

## 1521

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	3.3	16.9 ozs.	1,750	3,500
mm:	38	84	478g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1521/6D/471</b>	471	0.101	0.750	20.315	2.877	127	27
<b>1521/5.75D/492</b>	492	0.093	0.783	19.448	2.754	122	29
<b>1521/5.5D/514</b>	514	0.085	0.818	18.616	2.636	117	30
<b>1521/3Y/524</b>	524	0.076	0.833	18.260	2.586	115	31
<b>1521/5.25D/539</b>	539	0.077	0.857	17.752	2.514	111	31
<b>1521/5D/566</b>	566	0.070	0.900	16.905	2.394	106	33
<b>1521/2.75Y/571</b>	571	0.064	0.909	16.757	2.373	105	33
<b>1521/4.75D/595</b>	595	0.063	0.947	16.081	2.277	101	35
<b>1521/4.5D/629</b>	629	0.057	1.000	15.212	2.154	95	37



**1521**

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	3.3	16.9 ozs.	1,750	3,500
mm: 38	84	478g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1521/2.5Y/629</b>	629	0.053	1.000	15.212	2.154	95	37
<b>1521/4.25D/666</b>	666	0.051	1.059	14.367	2.035	90	39
<b>1521/2.25Y/698</b>	698	0.043	1.111	13.708	1.941	86	41
<b>1521/4D/707</b>	707	0.045	1.125	13.534	1.917	85	41
<b>1521/3.75D/754</b>	754	0.039	1.200	12.690	1.797	80	44
<b>1521/2Y/786</b>	786	0.034	1.250	12.174	1.724	76	46
<b>1521/3.5D/808</b>	808	0.034	1.286	11.842	1.677	74	47
<b>1521/3.25D/870</b>	870	0.030	1.385	10.998	1.557	69	51
<b>1521/1.75Y/898</b>	898	0.026	1.429	10.655	1.509	67	52
<b>1521/3D/943</b>	943	0.025	1.500	10.147	1.437	64	55
<b>1521/2.75D/1029</b>	1,029	0.021	1.636	9.299	1.317	58	60
<b>1521/1.5Y/1048</b>	1,048	0.019	1.667	9.130	1.293	57	61
<b>1521/2.5D/1131</b>	1,131	0.017	1.800	8.460	1.198	53	66
<b>1521/2.25D/1257</b>	1,257	0.014	2.000	7.612	1.078	48	73
<b>1521/1.25Y/1257</b>	1,257	0.013	2.000	7.612	1.078	48	73
<b>1521/2D/1414</b>	1,414	0.011	2.250	6.767	0.958	42	82
<b>1521/1Y/1571</b>	1,571	0.008	2.500	6.091	0.863	38	92
<b>1521/1.75D/1616</b>	1,616	0.009	2.571	5.921	0.838	37	94
<b>1521/1.5D/1886</b>	1,886	0.006	3.000	5.073	0.718	32	110
<b>1521/0.75Y/2095</b>	2,095	0.005	3.333	4.567	0.647	29	122
<b>1521/1.25D/2263</b>	2,263	0.004	3.600	4.228	0.599	27	132
<b>1521/1D/2829</b>	2,829	0.003	4.500	3.382	0.479	21	165
<b>1521/0.5Y/3143</b>	3,143	0.002	5.000	3.044	0.431	19	183
<b>1521/0.75D/3771</b>	3,771	0.002	6.000	2.537	0.359	16	220
<b>1521/0.5D/5657</b>	5,657	0.001	9.000	1.691	0.240	11	330
<b>1521/0.25Y/6286</b>	6,286	0.001	10.000	1.522	0.216	10	367

**1524**

	Diam.	Length	Weight	Max Cont.	Max Peak
	inch:	1.5	4.0	Watts	Watts
	mm:	38	102	2,000	4,000
			19.4 ozs.		
			549g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1524/6D/412</b>	412	0.115	0.750	23.224	3.289	146	27
<b>1524/5.75D/430</b>	430	0.106	0.783	22.252	3.151	140	29
<b>1524/5.5D/450</b>	450	0.097	0.818	21.263	3.011	133	30
<b>1524/3Y/458</b>	458	0.086	0.833	20.892	2.959	131	31
<b>1524/5.25D/471</b>	471	0.088	0.857	20.315	2.877	127	31
<b>1524/5D/495</b>	495	0.080	0.900	19.330	2.737	121	33
<b>1524/2.75Y/500</b>	500	0.073	0.909	19.137	2.710	120	33
<b>1524/4.75D/521</b>	521	0.072	0.947	18.365	2.601	115	35
<b>1524/4.5D/550</b>	550	0.065	1.000	17.397	2.464	109	37
<b>1524/2.5Y/550</b>	550	0.060	1.000	17.397	2.464	109	37
<b>1524/4.25D/582</b>	582	0.058	1.059	16.441	2.328	103	39
<b>1524/2.25Y/611</b>	611	0.049	1.111	15.660	2.218	98	41
<b>1524/4D/619</b>	619	0.051	1.125	15.458	2.189	97	41
<b>1524/3.75D/660</b>	660	0.045	1.200	14.498	2.053	91	44
<b>1524/2Y/688</b>	688	0.038	1.250	13.908	1.969	87	46
<b>1524/3.5D/707</b>	707	0.039	1.286	13.534	1.917	85	47
<b>1524/3.25D/762</b>	762	0.034	1.385	12.557	1.778	79	51
<b>1524/1.75Y/786</b>	786	0.029	1.429	12.174	1.724	76	52
<b>1524/3D/825</b>	825	0.029	1.500	11.598	1.642	73	55
<b>1524/2.75D/900</b>	900	0.024	1.636	10.632	1.506	67	60
<b>1524/1.5Y/917</b>	917	0.022	1.667	10.434	1.478	65	61
<b>1524/2.5D/990</b>	990	0.020	1.800	9.665	1.369	61	66
<b>1524/2.25D/1100</b>	1,100	0.016	2.000	8.699	1.232	55	73
<b>1524/1.25Y/1100</b>	1,100	0.015	2.000	8.699	1.232	55	73
<b>1524/2D/1238</b>	1,238	0.013	2.250	7.729	1.095	48	83
<b>1524/1Y/1375</b>	1,375	0.010	2.500	6.959	0.985	44	92
<b>1524/1.75D/1414</b>	1,414	0.010	2.571	6.767	0.958	42	94
<b>1524/1.5D/1650</b>	1,650	0.007	3.000	5.799	0.821	36	110
<b>1524/0.75Y/1833</b>	1,833	0.005	3.333	5.220	0.739	33	122
<b>1524/1.25D/1980</b>	1,980	0.005	3.600	4.833	0.684	30	132
<b>1524/1D/2475</b>	2,475	0.003	4.500	3.866	0.547	24	165

### 1524

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	4.0	19.4 ozs.	2,000	4,000
mm: 38	102	549g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1524/0.5Y/2750</b>	2,750	0.002	5.000	3.479	0.493	22	183
<b>1524/0.75D/3300</b>	3,300	0.002	6.000	2.900	0.411	18	220
<b>1524/0.5D/4950</b>	4,950	0.001	9.000	1.933	0.274	12	330
<b>1524/0.25Y/5500</b>	5,500	0.001	10.000	1.740	0.246	11	367
<b>1524/0.25D/9900</b>	9,900	0.000	18.000	0.967	0.137	6	660

### 1527

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	4.0	21.8 ozs.	2,250	4,500
mm: 38	102	617g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1527/6D/367</b>	367	0.130	0.750	26.072	3.692	163	28
<b>1527/5.75D/383</b>	383	0.119	0.783	24.983	3.538	157	29
<b>1527/5.5D/400</b>	400	0.109	0.818	23.921	3.388	150	30
<b>1527/3Y/407</b>	407	0.097	0.833	23.510	3.329	147	31
<b>1527/5.25D/419</b>	419	0.099	0.857	22.836	3.234	143	31
<b>1527/5D/440</b>	440	0.090	0.900	21.746	3.080	136	33
<b>1527/2.75Y/444</b>	444	0.082	0.909	21.550	3.052	135	33
<b>1527/4.75D/463</b>	463	0.081	0.947	20.666	2.927	130	35
<b>1527/2.5Y/489</b>	489	0.068	1.000	19.567	2.771	123	37
<b>1527/4.5D/489</b>	489	0.073	1.000	19.567	2.771	123	37
<b>1527/4.25D/518</b>	518	0.065	1.059	18.472	2.616	116	39
<b>1527/2.25Y/543</b>	543	0.055	1.111	17.621	2.495	110	41
<b>1527/4D/550</b>	550	0.058	1.125	17.397	2.464	109	41
<b>1527/3.75D/587</b>	587	0.051	1.200	16.301	2.308	102	44
<b>1527/2Y/611</b>	611	0.043	1.250	15.660	2.218	98	46
<b>1527/3.5D/629</b>	629	0.044	1.286	15.212	2.154	95	47
<b>1527/3.25D/677</b>	677	0.038	1.385	14.134	2.001	89	51
<b>1527/1.75Y/698</b>	698	0.033	1.429	13.708	1.941	86	52
<b>1527/3D/733</b>	733	0.032	1.500	13.054	1.849	82	55

### 1527

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	4.0	21.8 ozs.	2,250	4,500
mm: 38	102	617g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1527/2.75D/800</b>	800	0.027	1.636	11.961	1.694	75	60
<b>1527/1.5Y/815</b>	815	0.024	1.667	11.740	1.663	74	61
<b>1527/2.5D/880</b>	880	0.022	1.800	10.873	1.540	68	66
<b>1527/2.25D/978</b>	978	0.018	2.000	9.784	1.385	61	73
<b>1527/1.25Y/978</b>	978	0.017	2.000	9.784	1.385	61	73
<b>1527/2D/1100</b>	1,100	0.014	2.250	8.699	1.232	55	83
<b>1527/1Y/1222</b>	1,222	0.011	2.500	7.830	1.109	49	92
<b>1527/1.75D/1257</b>	1,257	0.011	2.571	7.612	1.078	48	94
<b>1527/1.5D/1467</b>	1,467	0.008	3.000	6.522	0.924	41	110
<b>1527/0.75Y/1630</b>	1,630	0.006	3.333	5.870	0.831	37	122
<b>1527/1.25D/1760</b>	1,760	0.006	3.600	5.437	0.770	34	132
<b>1527/1D/2200</b>	2,200	0.004	4.500	4.349	0.616	27	165
<b>1527/0.5Y/2444</b>	2,444	0.003	5.000	3.915	0.554	25	183
<b>1527/0.75D/2933</b>	2,933	0.002	6.000	3.262	0.462	20	220
<b>1527/0.5D/4400</b>	4,400	0.001	9.000	2.175	0.308	14	330
<b>1527/0.25Y/4889</b>	4,889	0.001	10.000	1.957	0.277	12	367
<b>1527/0.25D/8800</b>	8,800	0.000	18.000	1.087	0.154	7	660

### 1530

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	4.3	24.5 ozs.	2,750	5,500
mm: 38	108	693g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1530/6D/330</b>	330	0.144	0.750	28.995	4.106	182	30
<b>1530/5.75D/344</b>	344	0.132	0.783	27.815	3.939	174	32
<b>1530/5.5D/360</b>	360	0.121	0.818	26.579	3.764	167	33
<b>1530/3Y/367</b>	367	0.108	0.833	26.072	3.692	163	34
<b>1530/5.25D/377</b>	377	0.110	0.857	25.380	3.594	159	35
<b>1530/5D/396</b>	396	0.100	0.900	24.163	3.422	152	36
<b>1530/2.75Y/400</b>	400	0.091	0.909	23.921	3.388	150	37

**1530**

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	4.3	24.5 ozs.	2,750	5,500
mm:	38	108	693g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1530/4.75D/417</b>	417	0.090	0.947	22.946	3.249	144	38
<b>1530/4.5D/440</b>	440	0.081	1.000	21.746	3.080	136	40
<b>1530/2.5Y/440</b>	440	0.075	1.000	21.746	3.080	136	40
<b>1530/4.25D/466</b>	466	0.072	1.059	20.533	2.908	129	43
<b>1530/2.25Y/489</b>	489	0.061	1.111	19.567	2.771	123	45
<b>1530/4D/495</b>	495	0.064	1.125	19.330	2.737	121	45
<b>1530/3.75D/528</b>	528	0.056	1.200	18.122	2.566	114	48
<b>1530/2Y/550</b>	550	0.048	1.250	17.397	2.464	109	50
<b>1530/3.5D/566</b>	566	0.049	1.286	16.905	2.394	106	52
<b>1530/3.25D/609</b>	609	0.042	1.385	15.712	2.225	99	56
<b>1530/1.75Y/629</b>	629	0.037	1.429	15.212	2.154	95	58
<b>1530/3D/660</b>	660	0.036	1.500	14.498	2.053	91	61
<b>1530/2.75D/720</b>	720	0.030	1.636	13.289	1.882	83	66
<b>1530/1.5Y/733</b>	733	0.027	1.667	13.054	1.849	82	67
<b>1530/2.5D/792</b>	792	0.025	1.800	12.081	1.711	76	73
<b>1530/1.25Y/880</b>	880	0.019	2.000	10.873	1.540	68	81
<b>1530/2.25D/880</b>	880	0.020	2.000	10.873	1.540	68	81
<b>1530/2D/990</b>	990	0.016	2.250	9.665	1.369	61	91
<b>1530/1Y/1100</b>	1,100	0.012	2.500	8.699	1.232	55	101
<b>1530/1.75D/1131</b>	1,131	0.012	2.571	8.460	1.198	53	104
<b>1530/1.5D/1320</b>	1,320	0.009	3.000	7.249	1.027	45	121
<b>1530/0.75Y/1467</b>	1,467	0.007	3.333	6.522	0.924	41	134
<b>1530/1.25D/1584</b>	1,584	0.006	3.600	6.041	0.855	38	145
<b>1530/1D/1980</b>	1,980	0.004	4.500	4.833	0.684	30	182
<b>1530/0.5Y/2200</b>	2,200	0.003	5.000	4.349	0.616	27	202
<b>1530/0.75D/2640</b>	2,640	0.002	6.000	3.624	0.513	23	242
<b>1530/0.5D/3960</b>	3,960	0.001	9.000	2.416	0.342	15	363
<b>1530/0.25Y/4400</b>	4,400	0.001	10.000	2.175	0.308	14	403
<b>1530/0.25D/7920</b>	7,920	0.000	18.000	1.208	0.171	8	726

### 1533

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.2	27.3 ozs.	3,000	6,000
mm: 38	132	773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1533/6D/300</b>	300	0.158	0.750	31.895	4.517	200	30
<b>1533/5.75D/313</b>	313	0.145	0.783	30.570	4.329	192	31
<b>1533/5.5D/327</b>	327	0.133	0.818	29.261	4.144	183	33
<b>1533/3Y/333</b>	333	0.119	0.833	28.734	4.069	180	33
<b>1533/5.25D/343</b>	343	0.121	0.857	27.896	3.950	175	34
<b>1533/5D/360</b>	360	0.110	0.900	26.579	3.764	167	36
<b>1533/2.75Y/364</b>	364	0.100	0.909	26.287	3.723	165	36
<b>1533/4.75D/379</b>	379	0.099	0.947	25.246	3.575	158	38
<b>1533/4.5D/400</b>	400	0.089	1.000	23.921	3.388	150	40
<b>1533/2.5Y/400</b>	400	0.083	1.000	23.921	3.388	150	40
<b>1533/4.25D/424</b>	424	0.079	1.059	22.567	3.196	142	42
<b>1533/2.25Y/444</b>	444	0.067	1.111	21.550	3.052	135	44
<b>1533/4D/450</b>	450	0.070	1.125	21.263	3.011	133	45
<b>1533/3.75D/480</b>	480	0.062	1.200	19.934	2.823	125	48
<b>1533/2Y/500</b>	500	0.053	1.250	19.137	2.710	120	50
<b>1533/3.5D/514</b>	514	0.054	1.286	18.616	2.636	117	51
<b>1533/3.25D/554</b>	554	0.046	1.385	17.271	2.446	108	55
<b>1533/1.75Y/571</b>	571	0.040	1.429	16.757	2.373	105	57
<b>1533/3D/600</b>	600	0.040	1.500	15.947	2.258	100	60
<b>1533/2.75D/655</b>	655	0.033	1.636	14.608	2.069	92	66
<b>1533/1.5Y/667</b>	667	0.030	1.667	14.345	2.031	90	67
<b>1533/2.5D/720</b>	720	0.027	1.800	13.289	1.882	83	72
<b>1533/1.25Y/800</b>	800	0.021	2.000	11.961	1.694	75	80
<b>1533/2.25D/800</b>	800	0.022	2.000	11.961	1.694	75	80
<b>1533/2D/900</b>	900	0.018	2.250	10.632	1.506	67	90
<b>1533/1Y/1000</b>	1,000	0.013	2.500	9.568	1.355	60	100
<b>1533/1.75D/1029</b>	1,029	0.013	2.571	9.299	1.317	58	103
<b>1533/1.5D/1200</b>	1,200	0.010	3.000	7.974	1.129	50	120
<b>1533/0.75Y/1333</b>	1,333	0.007	3.333	7.178	1.017	45	133
<b>1533/1.25D/1440</b>	1,440	0.007	3.600	6.645	0.941	42	144
<b>1533/1D/1800</b>	1,800	0.004	4.500	5.316	0.753	33	180

### 1533

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.2	27.3 ozs.	3,000	6,000
mm: 38	132	773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1533/0.5Y/2000</b>	2,000	0.003	5.000	4.784	0.678	30	200
<b>1533/0.75D/2400</b>	2,400	0.002	6.000	3.987	0.565	25	240
<b>1533/0.5D/3600</b>	3,600	0.001	9.000	2.658	0.376	17	360
<b>1533/0.25Y/4000</b>	4,000	0.001	10.000	2.392	0.339	15	400
<b>1533/0.25D/7200</b>	7,200	0.000	18.000	1.329	0.188	8	720

### 1536

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.2	27.3 ozs.	3,250	3,500
mm: 38	132	773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1536/6D/275</b>	275	0.173	0.750	34.794	4.927	218	16
<b>1536/5.75D/287</b>	287	0.159	0.783	33.339	4.721	209	17
<b>1536/5.5D/300</b>	300	0.145	0.818	31.895	4.517	200	18
<b>1536/3Y/306</b>	306	0.130	0.833	31.269	4.428	196	18
<b>1536/5.25D/314</b>	314	0.132	0.857	30.473	4.315	191	18
<b>1536/5D/330</b>	330	0.120	0.900	28.995	4.106	182	19
<b>1536/2.75Y/333</b>	333	0.109	0.909	28.734	4.069	180	19
<b>1536/4.75D/347</b>	347	0.108	0.947	27.575	3.905	173	20
<b>1536/2.5Y/367</b>	367	0.090	1.000	26.072	3.692	163	21
<b>1536/4.5D/367</b>	367	0.097	1.000	26.072	3.692	163	21
<b>1536/4.25D/388</b>	388	0.087	1.059	24.661	3.492	155	23
<b>1536/2.25Y/407</b>	407	0.073	1.111	23.510	3.329	147	24
<b>1536/4D/412</b>	412	0.077	1.125	23.224	3.289	146	24
<b>1536/3.75D/440</b>	440	0.067	1.200	21.746	3.080	136	26
<b>1536/2Y/458</b>	458	0.058	1.250	20.892	2.959	131	27
<b>1536/3.5D/471</b>	471	0.059	1.286	20.315	2.877	127	27
<b>1536/3.25D/508</b>	508	0.051	1.385	18.835	2.667	118	30
<b>1536/1.75Y/524</b>	524	0.044	1.429	18.260	2.586	115	31
<b>1536/3D/550</b>	550	0.043	1.500	17.397	2.464	109	32

### 1536

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	5.2	27.3 ozs.	3,250	3,500
mm:	38	132	773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1536/2.75D/600</b>	600	0.036	1.636	15.947	2.258	100	35
<b>1536/1.5Y/611</b>	611	0.032	1.667	15.660	2.218	98	36
<b>1536/2.5D/660</b>	660	0.030	1.800	14.498	2.053	91	39
<b>1536/2.25D/733</b>	733	0.024	2.000	13.054	1.849	82	43
<b>1536/1.25Y/733</b>	733	0.023	2.000	13.054	1.849	82	43
<b>1536/2D/825</b>	825	0.019	2.250	11.598	1.642	73	48
<b>1536/1Y/917</b>	917	0.014	2.500	10.434	1.478	65	53
<b>1536/1.75D/943</b>	943	0.015	2.571	10.147	1.437	64	55
<b>1536/1.5D/1100</b>	1,100	0.011	3.000	8.699	1.232	55	64
<b>1536/0.75Y/1222</b>	1,222	0.008	3.333	7.830	1.109	49	71
<b>1536/1.25D/1320</b>	1,320	0.007	3.600	7.249	1.027	45	77
<b>1536/1D/1650</b>	1,650	0.005	4.500	5.799	0.821	36	96
<b>1536/0.5Y/1833</b>	1,833	0.004	5.000	5.220	0.739	33	107
<b>1536/0.75D/2200</b>	2,200	0.003	6.000	4.349	0.616	27	128
<b>1536/0.5D/3300</b>	3,300	0.001	9.000	2.900	0.411	18	193
<b>1536/0.25Y/3667</b>	3,667	0.001	10.000	2.609	0.370	16	214
<b>1536/0.25D/6600</b>	6,600	0.000	18.000	1.450	0.205	9	385

### 1539

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	5.2	27.3 ozs.	3,500	7,000
mm:	38	132	773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1539/6D/254</b>	254	0.187	0.750	37.671	5.335	236	30
<b>1539/5.75D/265</b>	265	0.172	0.783	36.107	5.113	226	31
<b>1539/5.5D/277</b>	277	0.157	0.818	34.543	4.892	217	32
<b>1539/3Y/282</b>	282	0.140	0.833	33.931	4.805	213	33
<b>1539/5.25D/290</b>	290	0.143	0.857	32.994	4.672	207	34
<b>1539/5D/305</b>	305	0.130	0.900	31.372	4.443	197	36
<b>1539/2.75Y/308</b>	308	0.118	0.909	31.066	4.399	195	36



**1539**

	Diam.	Length	Weight	Max Cont.	Max Peak
	inch:	1.5	5.2	Watts	Watts
	mm:	38	132	3,500	7,000
			27.3 ozs.		
			773g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1539/4.75D/321</b>	321	0.117	0.947	29.808	4.221	187	37
<b>1539/2.5Y/338</b>	338	0.098	1.000	28.309	4.009	178	39
<b>1539/4.5D/338</b>	338	0.105	1.000	28.309	4.009	178	39
<b>1539/4.25D/358</b>	358	0.094	1.059	26.727	3.785	168	42
<b>1539/2.25Y/376</b>	376	0.079	1.111	25.448	3.604	160	44
<b>1539/4D/381</b>	381	0.083	1.125	25.114	3.556	157	44
<b>1539/3.75D/406</b>	406	0.073	1.200	23.567	3.337	148	47
<b>1539/2Y/423</b>	423	0.062	1.250	22.620	3.203	142	49
<b>1539/3.5D/435</b>	435	0.064	1.286	21.996	3.115	138	51
<b>1539/3.25D/469</b>	469	0.055	1.385	20.402	2.889	128	55
<b>1539/1.75Y/484</b>	484	0.048	1.429	19.769	2.800	124	56
<b>1539/3D/508</b>	508	0.047	1.500	18.835	2.667	118	59
<b>1539/2.75D/554</b>	554	0.039	1.636	17.271	2.446	108	65
<b>1539/1.5Y/564</b>	564	0.035	1.667	16.965	2.402	106	66
<b>1539/2.5D/609</b>	609	0.032	1.800	15.712	2.225	99	71
<b>1539/2.25D/677</b>	677	0.026	2.000	14.134	2.001	89	79
<b>1539/1.25Y/677</b>	677	0.024	2.000	14.134	2.001	89	79
<b>1539/2D/762</b>	762	0.021	2.250	12.557	1.778	79	89
<b>1539/1Y/846</b>	846	0.016	2.500	11.310	1.602	71	99
<b>1539/1.75D/870</b>	870	0.016	2.571	10.998	1.557	69	102
<b>1539/1.5D/1015</b>	1,015	0.012	3.000	9.427	1.335	59	118
<b>1539/0.75Y/1128</b>	1,128	0.009	3.333	8.483	1.201	53	132
<b>1539/1.25D/1218</b>	1,218	0.008	3.600	7.856	1.112	49	142
<b>1539/1D/1523</b>	1,523	0.005	4.500	6.283	0.890	39	178
<b>1539/0.5Y/1692</b>	1,692	0.004	5.000	5.655	0.801	35	197
<b>1539/0.75D/2031</b>	2,031	0.003	6.000	4.711	0.667	30	237
<b>1539/0.5D/3046</b>	3,046	0.001	9.000	3.141	0.445	20	355
<b>1539/0.25Y/3385</b>	3,385	0.001	10.000	2.827	0.400	18	395
<b>1539/0.25D/6092</b>	6,092	0.000	18.000	1.571	0.222	10	711

### 1542

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.5	32 ozs.	3,750	7,500
mm: 38	140	906g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	Constant inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
1542/6D/236	236	0.202	0.750	40.544	5.742	254	30
1542/5.75D/246	246	0.185	0.783	38.896	5.508	244	31
1542/5.5D/257	257	0.169	0.818	37.231	5.272	233	32
1542/3Y/262	262	0.151	0.833	36.521	5.172	229	33
1542/5.25D/269	269	0.154	0.857	35.570	5.037	223	34
1542/5D/283	283	0.140	0.900	33.811	4.788	212	35
1542/2.75Y/286	286	0.127	0.909	33.456	4.738	210	36
1542/4.75D/298	298	0.126	0.947	32.109	4.547	201	37
1542/4.5D/314	314	0.113	1.000	30.473	4.315	191	39
1542/2.5Y/314	314	0.105	1.000	30.473	4.315	191	39
1542/4.25D/333	333	0.101	1.059	28.734	4.069	180	42
1542/2.25Y/349	349	0.085	1.111	27.417	3.883	172	44
1542/4D/354	354	0.090	1.125	27.029	3.828	169	44
1542/3.75D/377	377	0.079	1.200	25.380	3.594	159	47
1542/2Y/393	393	0.067	1.250	24.347	3.448	153	49
1542/3.5D/404	404	0.069	1.286	23.684	3.354	149	51
1542/3.25D/435	435	0.059	1.385	21.996	3.115	138	54
1542/1.75Y/449	449	0.051	1.429	21.310	3.018	134	56
1542/3D/471	471	0.050	1.500	20.315	2.877	127	59
1542/2.75D/514	514	0.042	1.636	18.616	2.636	117	64
1542/1.5Y/524	524	0.038	1.667	18.260	2.586	115	66
1542/2.5D/566	566	0.035	1.800	16.905	2.394	106	71
1542/2.25D/629	629	0.028	2.000	15.212	2.154	95	79
1542/1.25Y/629	629	0.026	2.000	15.212	2.154	95	79
1542/2D/707	707	0.022	2.250	13.534	1.917	85	88
1542/1Y/786	786	0.017	2.500	12.174	1.724	76	98
1542/1.75D/808	808	0.017	2.571	11.842	1.677	74	101
1542/1.5D/943	943	0.013	3.000	10.147	1.437	64	118
1542/0.75Y/1048	1,048	0.009	3.333	9.130	1.293	57	131
1542/1.25D/1131	1,131	0.009	3.600	8.460	1.198	53	141
1542/1D/1414	1,414	0.006	4.500	6.767	0.958	42	177

### 1542

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.5	32 ozs.	3,750	7,500
mm: 38	140	906g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1542/0.5Y/1571</b>	1,571	0.004	5.000	6.091	0.863	38	196
<b>1542/0.75D/1886</b>	1,886	0.003	6.000	5.073	0.718	32	236
<b>1542/0.5D/2829</b>	2,829	0.001	9.000	3.382	0.479	21	354

### 1545

Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch: 1.5	5.8	33.75 ozs.	4,000	8,000
mm: 38	147	955g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1545/6D/220</b>	220	0.216	0.750	43.493	6.159	273	29
<b>1545/5.75D/230</b>	230	0.198	0.783	41.602	5.891	261	31
<b>1545/5.5D/240</b>	240	0.181	0.818	39.868	5.646	250	32
<b>1545/3Y/244</b>	244	0.162	0.833	39.215	5.553	246	33
<b>1545/5.25D/251</b>	251	0.165	0.857	38.121	5.398	239	33
<b>1545/5D/264</b>	264	0.150	0.900	36.244	5.133	227	35
<b>1545/2.75Y/267</b>	267	0.136	0.909	35.837	5.075	225	36
<b>1545/4.75D/278</b>	278	0.135	0.947	34.419	4.874	216	37
<b>1545/4.5D/293</b>	293	0.121	1.000	32.657	4.625	205	39
<b>1545/2.5Y/293</b>	293	0.113	1.000	32.657	4.625	205	39
<b>1545/4.25D/311</b>	311	0.108	1.059	30.767	4.357	193	41
<b>1545/2.25Y/326</b>	326	0.091	1.111	29.351	4.156	184	43
<b>1545/4D/330</b>	330	0.096	1.125	28.995	4.106	182	44
<b>1545/3.75D/352</b>	352	0.084	1.200	27.183	3.849	170	47
<b>1545/2Y/367</b>	367	0.072	1.250	26.072	3.692	163	49
<b>1545/3.5D/377</b>	377	0.073	1.286	25.380	3.594	159	50
<b>1545/3.25D/406</b>	406	0.063	1.385	23.567	3.337	148	54
<b>1545/1.75Y/419</b>	419	0.055	1.429	22.836	3.234	143	56
<b>1545/3D/440</b>	440	0.054	1.500	21.746	3.080	136	59
<b>1545/2.75D/480</b>	480	0.045	1.636	19.934	2.823	125	64
<b>1545/1.5Y/489</b>	489	0.041	1.667	19.567	2.771	123	65

**1545**

	Diam.	Length	Weight	Max Cont. Watts	Max Peak Watts
inch:	1.5	5.8	33.75 ozs.	4,000	8,000
mm:	38	147	955g		

Motor	KV	Rm Ohms	Io @ 10v	Torque Constant mNm/A	inOz/A	Max Volts (max rpm/Kv)	Max Amps (max watts/volts)
<b>1545/2.5D/528</b>	528	0.037	1.800	18.122	2.566	114	70
<b>1545/1.25Y/587</b>	587	0.028	2.000	16.301	2.308	102	78
<b>1545/2.25D/587</b>	587	0.030	2.000	16.301	2.308	102	78
<b>1545/2D/660</b>	660	0.024	2.250	14.498	2.053	91	88
<b>1545/1Y/733</b>	733	0.018	2.500	13.054	1.849	82	98
<b>1545/1.75D/754</b>	754	0.018	2.571	12.690	1.797	80	101
<b>1545/1.5D/880</b>	880	0.013	3.000	10.873	1.540	68	117
<b>1545/0.75Y/978</b>	978	0.010	3.333	9.784	1.385	61	130
<b>1545/1.25D/1056</b>	1,056	0.009	3.600	9.061	1.283	57	141
<b>1545/1D/1320</b>	1,320	0.006	4.500	7.249	1.027	45	176
<b>1545/0.5Y/1467</b>	1,467	0.005	5.000	6.522	0.924	41	196
<b>1545/0.75D/1760</b>	1,760	0.003	6.000	5.437	0.770	34	235
<b>1545/0.5D/2640</b>	2,640	0.001	9.000	3.624	0.513	23	352

NEUTRONICS ENTERPRISES INC.  
4631 Viewridge Ave Unit B  
San Diego, CA 92123

email: [info@neutronics.com](mailto:info@neutronics.com)  
phone: 858-674-2250

<http://www.neumotors.com>

## 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.

Copyright (c) 2023 Neutronics Enterprises Inc.