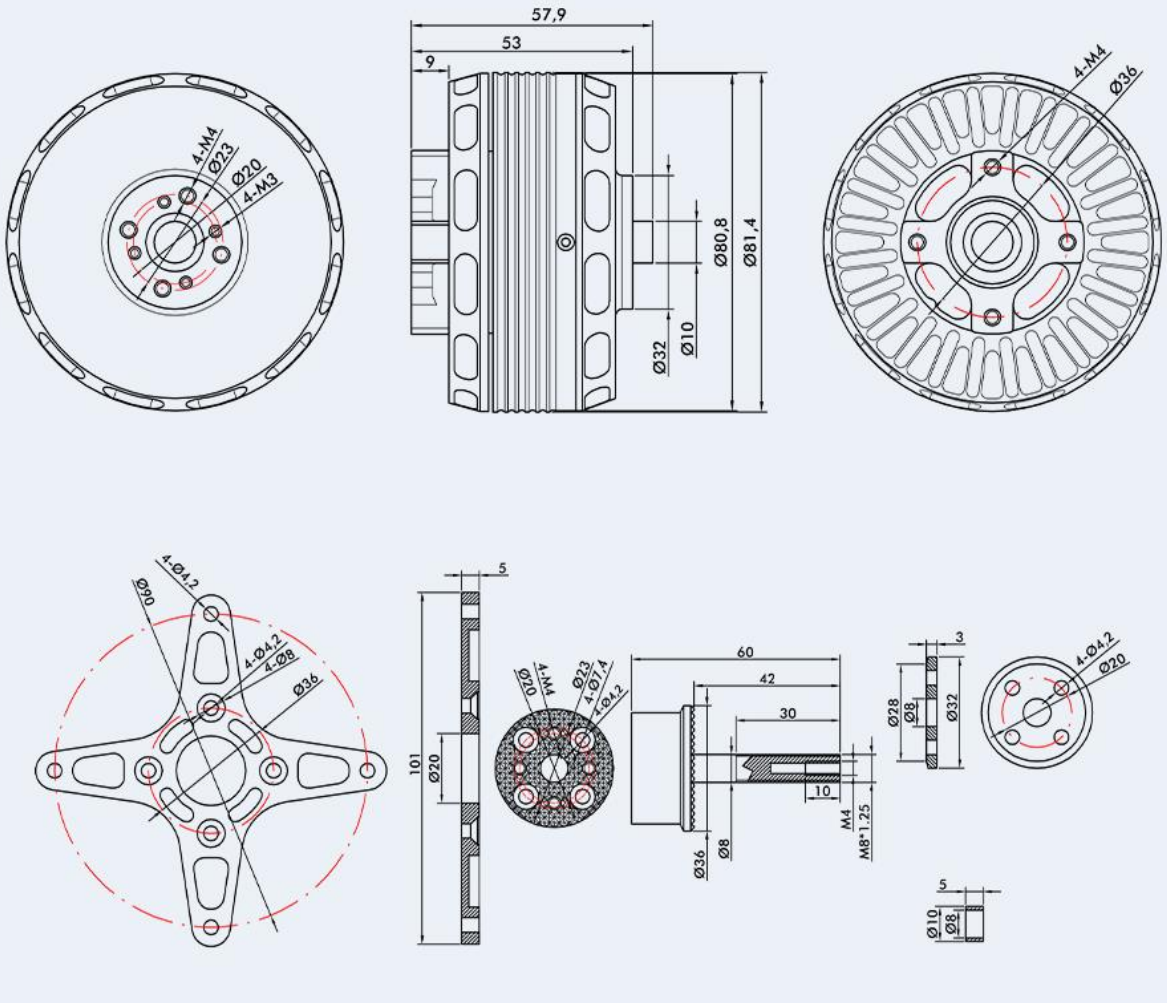
**T-Motor AT7215 30cc**

## Product Drawing




## Specifications

| | | | |
|---|---|---|---|
| Test Item | Long Shaft KV270 | Weight (Incl. Cable) | 560g |
| Motor Dimensions | Φ81.4*57.9mm | Internal Resistance | 17mΩ |
| Lead | Enameled Wire 100mm | Configuration | 24N22P |
| Shaft Diameter | IN：10mm<br>OUT：10mm | Rated Voltage(Lipo) | 8S |
| Idle Current(10V) | 2.4A | Peak Current(180s) | 120A |
| Max. Power(180s) | 4800W/10S | | |

| Type | Propeller | Throttle | Voltage (V) | Current (A) | Power (W) | RPM | Torque (N*m) | Thrust (g) | Efficiency (g/W) | Operating Temperature (℃) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 19*10 | 40% | 29.94 | 5.73 | 171.50 | 2998 | 0.429 | 1350 | 7.87 | / |
| | | 45% | 29.90 | 7.50 | 224.23 | 3342 | 0.516 | 1698 | 7.57 | |
| | | 50% | 29.85 | 10.11 | 301.62 | 3741 | 0.642 | 2120 | 7.03 | |
| | | 55% | 29.78 | 13.49 | 401.66 | 4140 | 0.826 | 2641 | 6.58 | |
| | | 60% | 29.71 | 16.68 | 495.44 | 4471 | 0.947 | 3088 | 6.23 | |
| | | 65% | 29.64 | 20.01 | 592.91 | 4778 | 1.059 | 3527 | 5.95 | |
| | | 70% | 29.54 | 24.64 | 727.72 | 5144 | 1.218 | 4072 | 5.60 | |
| | | 75% | 29.40 | 31.45 | 924.50 | 5591 | 1.401 | 4798 | 5.19 | |
| | | 80% | 29.28 | 36.82 | 1078.25 | 5900 | 1.553 | 5309 | 4.92 | |
| | | 90% | 29.02 | 49.51 | 1437.06 | 6497 | 1.899 | 6481 | 4.51 | |
| | | 100% | 28.72 | 63.80 | 1832.15 | 7014 | 2.226 | 7615 | 4.16 | |
| | | 40% | 32.95 | 6.46 | 212.77 | 3285 | 0.412 | 1608 | 7.56 | 67 |
| | | 45% | 32.91 | 8.45 | 278.05 | 3656 | 0.510 | 2013 | 7.24 | |
| | | 50% | 32.84 | 11.47 | 376.84 | 4080 | 0.665 | 2528 | 6.71 | |
| | | 55% | 32.76 | 15.30 | 501.32 | 4510 | 0.810 | 3073 | 6.13 | |
| | | 60% | 32.69 | 18.89 | 617.46 | 4855 | 0.950 | 3622 | 5.87 | |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 19*10 | 65% | 32.60 | 22.71 | 740.50 | 5190 | 1.090 | 4131 | 5.58 | (Ambient Temperature:/) |
| | | 70% | 32.45 | 29.88 | 969.63 | 5692 | 1.302 | 4925 | 5.08 | |
| | | 75% | 32.32 | 36.42 | 1177.06 | 6070 | 1.509 | 5613 | 4.77 | |
| | | 80% | 32.18 | 42.86 | 1379.00 | 6405 | 1.697 | 6249 | 4.53 | |
| | | 90% | 31.87 | 57.48 | 1831.87 | 7033 | 2.074 | 7567 | 4.13 | |
| | | 100% | 31.51 | 74.61 | 2350.55 | 7570 | 2.471 | 8937 | 3.80 | |
| | 19*10 | 40% | 36.63 | 7.08 | 259.20 | 3576 | 0.474 | 1888 | 7.28 | / |
| | | 45% | 36.56 | 9.48 | 346.78 | 3987 | 0.594 | 2368 | 6.83 | |
| | | 50% | 36.48 | 12.79 | 466.66 | 4437 | 0.730 | 2938 | 6.30 | |
| | | 55% | 36.42 | 17.00 | 619.02 | 4906 | 0.902 | 3610 | 5.83 | |
| | | 60% | 36.34 | 21.14 | 768.40 | 5294 | 1.047 | 4203 | 5.47 | |
| | | 65% | 36.18 | 28.09 | 1016.33 | 5789 | 1.262 | 5051 | 4.97 | |
| | | 70% | 36.06 | 34.64 | 1249.20 | 6207 | 1.463 | 5840 | 4.68 | |
| | | 75% | 35.92 | 41.92 | 1505.67 | 6599 | 1.671 | 6639 | 4.41 | |
| | | 80% | 35.79 | 48.88 | 1749.38 | 6935 | 1.857 | 7372 | 4.21 | |
| | | 90% | 35.44 | 66.10 | 2342.85 | 7602 | 2.265 | 8886 | 3.79 | |
| | | 100% | 35.03 | 86.05 | 3014.02 | 8172 | 2.704 | 10098 | 3.35 | |
| | 19*10 | 40% | 41.59 | 8.51 | 353.76 | 4011 | 0.590 | 2363 | 6.68 | 91 (Ambient Temperature:/) |
| | | 45% | 41.52 | 11.30 | 469.14 | 4459 | 0.730 | 2944 | 6.28 | |
| | | 50% | 41.45 | 15.44 | 640.07 | 4941 | 0.911 | 3671 | 5.74 | |
| | | 55% | 41.27 | 22.58 | 931.98 | 5581 | 1.163 | 4668 | 5.01 | |
| | | 60% | 41.16 | 28.47 | 1171.87 | 6054 | 1.386 | 5552 | 4.74 | |
| | | 65% | 41.04 | 34.55 | 1417.85 | 6470 | 1.597 | 6396 | 4.51 | |
| | | 70% | 40.88 | 42.19 | 1724.90 | 6889 | 1.825 | 7275 | 4.22 | |
| | | 75% | 40.70 | 51.67 | 2103.00 | 7325 | 2.104 | 8292 | 3.94 | |
| | | 80% | 40.42 | 60.75 | 2455.86 | 7690 | 2.329 | 9151 | 3.73 | |
| | | 90% | 39.96 | 84.33 | 3370.15 | 8352 | 2.907 | 10434 | 3.10 | |
| | | 100% | 39.43 | 108.82 | 4290.65 | 8928 | 3.430 | 11327 | 2.64 | |
| AT7215 KV270 | 20*10 | 40% | 29.98 | 6.21 | 186.13 | 2993 | 0.418 | 1565 | 8.41 | / |
| | | 45% | 29.94 | 8.13 | 243.29 | 3329 | 0.510 | 1939 | 7.97 | |
| | | 50% | 29.88 | 11.10 | 331.58 | 3722 | 0.632 | 2447 | 7.38 | |
| | | 55% | 29.78 | 14.93 | 444.56 | 4107 | 0.775 | 2998 | 6.75 | |
| | | 60% | 29.72 | 18.34 | 544.92 | 4441 | 0.913 | 3506 | 6.44 | |
| | | 65% | 29.64 | 22.15 | 656.50 | 4744 | 1.048 | 4008 | 6.11 | |
| | | 70% | 29.52 | 27.46 | 810.81 | 5088 | 1.210 | 4643 | 5.73 | |
| | | 75% | 29.36 | 35.52 | 1042.99 | 5527 | 1.461 | 5479 | 5.25 | |
| | | 80% | 29.23 | 41.46 | 1211.91 | 5820 | 1.636 | 6072 | 5.01 | |
| | | 90% | 28.93 | 55.63 | 1609.59 | 6396 | 2.016 | 7363 | 4.57 | |
| | | 100% | 28.61 | 71.05 | 2032.55 | 6895 | 2.357 | 8596 | 4.23 | |
| | 20*10 | 40% | 32.94 | 7.07 | 232.92 | 3248 | 0.516 | 1844 | 7.92 | 69 (Ambient Temperature:/) |
| | | 45% | 32.89 | 9.32 | 306.70 | 3606 | 0.634 | 2323 | 7.57 | |
| | | 50% | 32.81 | 12.72 | 417.47 | 4034 | 0.789 | 2892 | 6.93 | |
| | | 55% | 32.73 | 16.90 | 552.97 | 4446 | 0.964 | 3528 | 6.38 | |
| | | 60% | 32.64 | 20.87 | 681.29 | 4801 | 1.124 | 4103 | 6.02 | |
| | | 65% | 32.54 | 25.43 | 827.45 | 5128 | 1.277 | 4692 | 5.67 | |
| | | 70% | 32.36 | 33.85 | 1095.59 | 5614 | 1.545 | 5643 | 5.15 | |
| | | 75% | 32.22 | 40.93 | 1318.92 | 5973 | 1.771 | 6410 | 4.86 | |
| | | 80% | 32.07 | 47.90 | 1536.21 | 6298 | 1.987 | 7123 | 4.64 | |
| | | 90% | 31.72 | 64.49 | 2045.83 | 6898 | 2.409 | 8607 | 4.21 | |
| | | 100% | 31.33 | 83.09 | 2602.92 | 7414 | 2.869 | 10127 | 3.89 | |
| | 20*10 | 40% | 36.60 | 7.91 | 289.51 | 3549 | 0.540 | 2170 | 7.49 | / |
| | | 45% | 36.55 | 10.32 | 377.29 | 3944 | 0.665 | 2691 | 7.13 | |
| | | 50% | 36.47 | 13.96 | 509.27 | 4392 | 0.828 | 3342 | 6.56 | |
| | | 55% | 36.36 | 19.03 | 691.89 | 4848 | 1.014 | 4077 | 5.89 | |
| | | 60% | 36.27 | 23.56 | 854.41 | 5228 | 1.181 | 4756 | 5.57 | |
| | | 65% | 36.12 | 31.31 | 1131.13 | 5724 | 1.423 | 5736 | 5.07 | |
| | | 70% | 35.98 | 38.64 | 1390.30 | 6121 | 1.651 | 6627 | 4.77 | |
| | | 75% | 35.82 | 46.65 | 1671.18 | 6499 | 1.870 | 7502 | 4.49 | |
| | | 80% | 35.68 | 54.59 | 1947.46 | 6836 | 2.077 | 8290 | 4.26 | |
| | | 90% | 35.28 | 73.61 | 2597.12 | 7461 | 2.540 | 10056 | 3.87 | |
| | | 100% | 34.81 | 93.89 | 3268.51 | 8007 | 2.945 | 11553 | 3.53 | |
| | 20*10 | 40% | 41.57 | 9.36 | 388.95 | 3963 | 0.668 | 2704 | 6.95 | 106 (Ambient Temperature:/) |
| | | 45% | 41.51 | 12.32 | 511.23 | 4394 | 0.822 | 3333 | 6.52 | |
| | | 50% | 41.41 | 16.87 | 698.68 | 4877 | 1.025 | 4126 | 5.91 | |
| | | 55% | 41.22 | 25.28 | 1041.92 | 5495 | 1.324 | 5334 | 5.12 | |
| | | 60% | 41.11 | 31.76 | 1305.57 | 5956 | 1.578 | 6329 | 4.85 | |
| | | 65% | 40.97 | 38.69 | 1584.90 | 6366 | 1.801 | 7262 | 4.58 | |
| | | 70% | 40.78 | 47.43 | 1934.11 | 6779 | 2.062 | 8248 | 4.26 | |

Continued below

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 21*10 | 55% | 32.60 | 20.05 | 653.47 | 4354 | 1.136 | 4163 | 6.37 | 73 (Ambient Temperature:/) |
| | | 60% | 32.49 | 24.87 | 808.15 | 4711 | 1.308 | 4810 | 5.95 | |
| | | 65% | 32.39 | 30.11 | 975.42 | 5022 | 1.517 | 5509 | 5.65 | |
| | | 70% | 32.19 | 39.62 | 1275.07 | 5464 | 1.868 | 6601 | 5.18 | |
| | | 75% | 32.01 | 48.45 | 1550.77 | 5819 | 2.139 | 7474 | 4.82 | |
| | | 80% | 31.83 | 56.47 | 1797.79 | 6119 | 2.375 | 8272 | 4.60 | |
| | | 90% | 31.42 | 75.90 | 2384.96 | 6672 | 2.871 | 9918 | 4.16 | |
| | | 100% | 30.97 | 96.81 | 2998.16 | 7156 | 3.336 | 11428 | 3.81 | |

Note: Motor temperature is motor surface temperature @100% throttle running 3mins.
(Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)

## Contents


Motor x 1

Parts Bag x 1

Please check that your package contains all the above items before use, If something is missing, please contact online customer service or leave message to onlinesales@tmotor.com