

# VAX 5330(short shaft) VTOL Drone Brushless DC Motor

# **Basic Information**

Place of Origin: Guangdong, China

• Brand Name: GS

Model Number: 5330 220KV 260KV

Price: Negotiable

Delivery Time: 6-8Payment Terms: T/TSupply Ability: 100



# **Product Specification**

Motor Model: VAX 5330 EEE V1.0 (short Shaft)

Motor Size: D:61.1 X63 Mm

• Propeller Mounting Holes: D:31 M3x4, D:20 M3x4

• Shaft Diameter: IN: 8 Mm

• Bearing: 688ZZ\*2/1980\*1

• Cable Length: 150 Mm 14# Awg(Black) Silicone

Rotor Balance: ≤5 Mg Motor Balance: ≤10 Mg

• Motor Mounting Holes: D:30 M4x4, D:44 M4x4

• Disruptive Test: 500 V

• Highlight: Drone Brushless DC Motor,

VAX 5330 Brushless DC Motor



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# VAX 5330 (Short Shaft) VTOL Drone Brushless DC Motor

# **Product Specifications**

| Attribute                | Value                           |
|--------------------------|---------------------------------|
| Motor Model              | VAX 5330 EEE V1.0 (short shaft) |
| Motor Size               | D:61.1 x63 mm                   |
| Propeller Mounting Holes | D:31 M3x4, D:20 M3x4            |
| Shaft Diameter           | IN: 8 mm                        |
| Bearing                  | 688ZZ*2/1980*1                  |
| Cable Length             | 150 mm 14# Awg(Black) silicone  |
| Rotor Balance            | ≤5 mg                           |
| Motor Balance            | ≤10 mg                          |
| Motor Mounting Holes     | D:30 M4x4, D:44 M4x4            |
| Disruptive test          | 500 V                           |

# **Product Description**

Designed for VTOL, AIRCRAFT, XCLASS applications with 8-10 kg payload capacity and 12S voltage support Optimized for long-range flight with enhanced safety and durability features

Improved design maintains excellent performance characteristics of previous generation motors

ENTHUSIASTS EXTREME EDITION

4.0~5.0 kgf
RECOMMENDED HOVER THRUST

AMAXIMUM MOURAM THRUST MAY DEFENDED
THRUST ARPRESSURE ORDERECORD

OPTIMIZED 553 g EFFICIENCY >83%



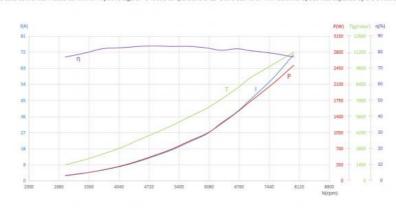
MAD VAX 5330 EEE-short shaft 220KV 20x10 AMPX 80A (5-14S)

125

MAX 93°C

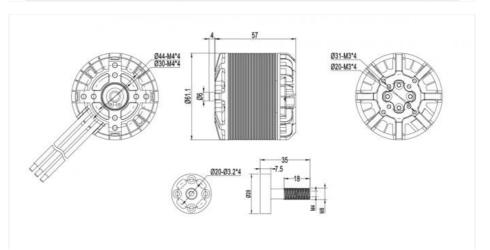
Analytical Graph of Motor Operation

 $I-Current, P-Input Power, \eta-Electrical Efficiency, T-Thrust, N-Rotational Speed \\ The data above was measured with an input voltage of 48 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle-$ 



| Motor Data                   |  |                       |  |
|------------------------------|--|-----------------------|--|
| Motor Model                  | MAD VAX 5330 EEE V1.0 (short shaft)  | Number of pole pairs  | 7  |
| Stator                       | TAIWAN / Anticorrosive   | Varnished wire Degree | 180°C                                      |
| Motor Size                   | D:61.1 × 63 mm   | Magnet Degree         | 150°C                                      |
| Degree of Protection         | Rain protection  | Cable Length          | 150 mm 14# Awg(Black) silicone             |
| Centrifugal Heat Dissipation | Independent  | Rotor Balance         | ≤5 mg                                      |
| Propeller Mounting Holes     | D:31 M3×4, D:20 M3×4   | Motor Balance         | ≤10 mg                                     |
| Shaft Diameter               | IN: 8 mm   | Motor Mounting Holes  | D:30 M4×4, D:44 M4×4                       |
| Bearing                      | EZO 688ZZ*2 / NMB 1980*1   | Disruptive test       | 500 V                                      |
| Additional Accessories       | Prop Adapter(M8) *1 , Propeller Plate *1 ,<br>M3*8mm *4 Prop Adapter Fixing Screws , |                       | Shrinkable Tube*3 , M4*12mm *4 Motor Screw |

| Specifications      |  |                              |                             |
|---------------------|--|------------------------------|-----------------------------|
| RPM/V               | 220KV  | Nominal Voltage              | 125 lipo battery            |
| No Load Current     | 1,35A / 30V  | Internal resistance          | 45mΩ                        |
| Motor Weight        | 553 g  | Product Boxed Weight         | 733g (110 x 110 x 65 mm)    |
| Maximum Current     | 70.8 A   | Maximum Power                | 3263W                       |
| Maximum thrust      | 11.2 kg  | Maximum Torque               | 3 Nm                        |
| Recommended ESC     | MAD AMPX 80A (5-145)                                       | Recommended Propellers       | 18x12, 19x10, 20x10, 17x8X3 |
| UAV take-off weight | 125-20"/ 17kgQuadcopter<br>25.5kgHexacopter 34kgOctocopter | Single rotor take-off weight | 4kg ~ 5kg                   |



MAD VAX 5330 EEE-short shaft 220KV 18x12 AMPX 80A (5-14S)

125

MAX

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM  | Thrust<br>(gf) | Efficiency<br>[%] | Efficiency<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|------|----------------|-------------------|----------------------|
| 30              | 48.23          | 2.72           | 131.2                 | 103.0               | 0.343           | 2867 | 1131           | 78.5              | 8.6                  |
| 35              | 48.20          | 3.86           | 186.1                 | 151.0               | 0.441           | 3270 | 1465           | 81.1              | 7.9                  |
| 40              | 48.14          | 5.64           | 271.5                 | 228.4               | 0.580           | 3760 | 1939           | 84.1              | 7.1                  |
| 45              | 48.08          | 7.72           | 371.2                 | 315.2               | 0.718           | 4192 | 2415           | 84.9              | 6.5                  |
| 50              | 48.02          | 9.86           | 473.5                 | 403.7               | 0.842           | 4579 | 2877           | 85.3              | 6.1                  |
| 55              | 47.94          | 12.53          | 600.7                 | 515.2               | 0.992           | 4959 | 3405           | 85.8              | 5.7                  |
| 60              | 47.82          | 16.07          | 768.5                 | 665.2               | 1.184           | 5365 | 4067           | 86.6              | 5.3                  |
| 65              | 47.72          | 19.62          | 936.3                 | 803.7               | 1.332           | 5762 | 4676           | 85.8              | 5.0                  |
| 70              | 47.57          | 24,19          | 1150.7                | 983.4               | 1.529           | 6142 | 5294           | 85,5              | 4.6                  |
| 75              | 47.41          | 29.4           | 1393.9                | 1178.6              | 1.731           | 6502 | 5961           | 84.6              | 4.3                  |
| 80              | 47.25          | 34.59          | 1634,4                | 1368.2              | 1.914           | 6826 | 6625           | 83,7              | 4,1                  |
| 85              | 47.04          | 41.28          | 1941,8                | 1605.1              | 2.147           | 7139 | 7381           | 82.7              | 3.8                  |
| 90              | 46.86          | 46.96          | 2200.5                | 1824.0              | 2.319           | 7511 | 8127           | 82.9              | 3.7                  |
| 95              | 46,63          | 54.1           | 2522.7                | 2057.8              | 2,509           | 7832 | 8706           | 81.6              | 3.5                  |
| 100             | 46.26          | 65.46          | 3028.2                | 2417.5              | 2.825           | 8172 | 9609           | 79.8              | 3.2                  |

MAD VAX 5330 EEE-short shaft 220KV 19x10 AMPX 80A (5-14S)

12S MAX 84°C

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM  | Thrust<br>(gf) | Efficiency<br>[%] | Efficiency<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|------|----------------|-------------------|----------------------|
| 30              | 48.22          | 2.72           | 131.2                 | 94.1                | 0.314           | 2862 | 1264           | 71.7              | 9.6                  |
| 35              | 48.20          | 3.85           | 185.6                 | 139.4               | 0.407           | 3271 | 1657           | 75.1              | 8.9                  |
| 40              | 48.14          | 5.63           | 271.0                 | 214.0               | 0.543           | 3764 | 2205           | 79                | 8.1                  |
| 45              | 48.08          | 7.68           | 369.3                 | 298.6               | 0.679           | 4200 | 2740           | 80.9              | 7.4                  |
| 50              | 48.01          | 9.88           | 474.3                 | 390.8               | 0.813           | 4590 | 3291           | 82.4              | 6.9                  |
| 55              | 47.93          | 12.52          | 600.1                 | 493.6               | 0.956           | 4930 | 3871           | 82.3              | 6.5                  |
| 60              | 47.84          | 15.59          | 745.8                 | 616.6               | 1.104           | 5333 | 4440           | 82.7              | 6.0                  |
| 65              | 47.72          | 19.62          | 936.3                 | 777.0               | 1.297           | 5721 | 5172           | 83                | 5.5                  |
| 70              | 47.57          | 24.49          | 1165.0                | 968.0               | 1,504           | 6146 | 5969           | 83.1              | 5.1                  |
| 75              | 47.41          | 29.71          | 1408.6                | 1139,2              | 1.683           | 6464 | 6767           | 80.9              | 4.8                  |
| 80              | 47.25          | 34.62          | 1635.8                | 1340.9              | 1.872           | 6840 | 7526           | 82                | 4,6                  |
| 85              | 47.05          | 40.91          | 1924.8                | 1572.4              | 2.096           | 7164 | 8289           | 81.7              | 4.3                  |
| 90              | 46.88          | 46,36          | 2173.4                | 1761,1              | 2.251           | 7471 | 8990           | 81                | 4.1                  |
| 95              | 46.62          | 54.57          | 2544.1                | 2026.1              | 2,491           | 7767 | 9881           | 79.6              | 3.9                  |
| 100             | 46.27          | 65.01          | 3008.0                | 2353.2              | 2.761           | 8139 | 10765          | 78.2              | 3.6                  |

MAD VAX 5330 EEE-short shaft 220KV 20x10 AMPX 80A (5-14S)

**12S** 

MAX 93°C

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM  | Thrust<br>[gf] | Efficiency<br>[%] | Efficiency<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|------|----------------|-------------------|----------------------|
| 30              | 48.22          | 2.94           | 141.8                 | 109.2               | 0.369           | 2827 | 1374           | 77                | 9.7                  |
| 35              | 48.19          | 4.19           | 201.9                 | 159.9               | 0.473           | 3229 | 1784           | 79.2              | 8.8                  |
| 40              | 48.13          | 5.93           | 285.4                 | 234.7               | 0.609           | 3680 | 2324           | 82.2              | 8.1                  |
| 45              | 48.06          | 8.27           | 397.5                 | 329.1               | 0.763           | 4119 | 2925           | 82.8              | 7.4                  |
| 50              | 47.98          | 10.85          | 520.6                 | 435.4               | 0.925           | 4495 | 3570           | 83.6              | 6.9                  |
| 55              | 47.89          | 13.76          | 659.0                 | 552.9               | 1.088           | 4853 | 4146           | 83.9              | 6.3                  |
| 60              | 47.79          | 17.18          | 821.0                 | 686.0               | 1.252           | 5232 | 4793           | 83.6              | 5.8                  |
| 65              | 47.65          | 21.72          | 1035.0                | 865.5               | 1.466           | 5638 | 5577           | 83.6              | 5.4                  |
| 70              | 47.51          | 26.28          | 1248.6                | 1031.5              | 1.633           | 6032 | 6308           | 82.6              | 5.1                  |
| 75              | 47.32          | 32.32          | 1529.4                | 1241.5              | 1.865           | 6357 | 7113           | 81.2              | 4.7                  |
| 80              | 47.12          | 38.59          | 1818.4                | 1493.4              | 2.124           | 6714 | 8056           | 82.1              | 4.4                  |
| 85              | 46.92          | 45.19          | 2120.3                | 1717.0              | 2.342           | 7001 | 8935           | 81                | 4.2                  |
| 90              | 46.69          | 52.37          | 2445.2                | 1955.2              | 2.551           | 7319 | 9661           | 80                | 4.0                  |
| 95              | 46.44          | 59.65          | 2770.1                | 2184.4              | 2.741           | 7610 | 10326          | 78.9              | 3.7                  |
| 100             | 46.08          | 70.8           | 3262.5                | 2513.1              | 3.002           | 7994 | 11194          | 77                | 3.4                  |

MAD VAX 5330 EEE-short shaft 220KV 17x8x3 Carbon Fiber AMPX 80A (5-14S)

12S MAX 86°C

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM  | Thrust<br>(gf) | Efficiency<br>[%] | Efficiency<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|------|----------------|-------------------|----------------------|
| 30              | 48.01          | 2.51           | 120.5                 | 91.6                | 0.306           | 2859 | 1049           | 76                | 8.7                  |
| 35              | 47.97          | 3.98           | 190.9                 | 150.6               | 0.422           | 3408 | 1540           | 78.9              | 8.1                  |
| 40              | 47.92          | 5.35           | 256.4                 | 203.6               | 0.507           | 3834 | 1912           | 79.4              | 7.5                  |
| 45              | 47.86          | 7.15           | 342.2                 | 277.0               | 0.621           | 4259 | 2365           | 80.9              | 6.9                  |
| 50              | 47.79          | 9.83           | 469.8                 | 383.6               | 0.772           | 4745 | 2959           | 81,7              | 6.3                  |
| 55              | 47.68          | 13.2           | 629.4                 | 517.7               | 0.946           | 5226 | 3635           | 82.3              | 5.8                  |
| 60              | 47.57          | 16.88          | 803.0                 | 660.4               | 1,114           | 5661 | 4257           | 82.2              | 5.3                  |
| 65              | 47.42          | 21.35          | 1012.4                | 836.7               | 1.315           | 6076 | 5074           | 82.6              | 5.0                  |
| 70              | 47.29          | 25.66          | 1213.5                | 994.7               | 1.467           | 6475 | 5685           | 82                | 4.7                  |
| 75              | 47.12          | 31.31          | 1475.3                | 1207.1              | 1.684           | 6845 | 6554           | 81.8              | 4.4                  |
| 80              | 46.94          | 37.08          | 1740.5                | 1390.7              | 1.843           | 7206 | 7043           | 79.9              | 4.0                  |
| 85              | 46.74          | 43.24          | 2021.0                | 1627.0              | 2.060           | 7542 | 7784           | 80.5              | 3.9                  |
| 90              | 46.49          | 51.14          | 2377.5                | 1900.3              | 2.300           | 7890 | 8654           | 79.9              | 3.6                  |
| 95              | 46.19          | 60.31          | 2785.7                | 2194.1              | 2.557           | 8194 | 9508           | 78.8              | 3.4                  |
| 100             | 46.00          | 66.48          | 3058.1                | 2367.9              | 2.653           | 8523 | 9849           | 77.4              | 3.2                  |

The above data are the theoretical values when the input voltage is 48V, for reference only, in the case of room temperature of 25°C and no additional cooling device, the current over 66A is non-working zone.21-66A is short-term (about 10-30s), working zone, and below 21A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

# ENERGY EFFICIENT 260KV ENTHUSIASTS EXTREME EDITION

5.0~6.0 kgf
RECOMMENDED HOVER THRUST

RECOMMENDED HOVER THRUST

RANGE MAXIMUM MARIAM THRUST MAY BEFORE CARD THRUST



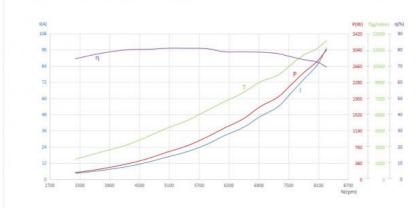
OPTIMIZED 547 g EFFICIENCY > 80%



MAD VAX 5330 EEE-short shaft 260KV 20x10 AMPX 120A (5-14S)

12S HOT

I – Current, P – Input Power, η – Electrical Efficiency, T – Thrust, N – Rotational Speed
The data above was measured with an input voltage of 48 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



| Specifications      |  |                              |                             |
|---------------------|--|------------------------------|-----------------------------|
| RPM/V               | 260KV  | Nominal Voltage              | 12S lipo battery            |
| No Load Current     | 1.6A / 20V   | Internal resistance          | 21mΩ                        |
| Motor Weight        | 547 g  | Product Boxed Weight         | 715g (110 x 110 x 65 mm)    |
| Maximum Current     | 97 A   | Maximum Power                | 4377W                       |
| Maximum thrust      | 12.8 kg  | Maximum Torque               | 3.5 Nm                      |
| Recommended ESC     | MAD AMPX 120A (5-14S)                                    | Recommended Propellers       | 18x12, 19x10, 20x10, 17x8x3 |
| UAV take-off weight | 125-20"/ 22kgQuadcopter<br>33kgHexacopter 44kgOctocopter | Single rotor take-off weight | 5kg ~ 6kg                   |
|                     |  |                              |                             |

MAD VAX 5330 EEE-short shaft 260KV 18x12 AMPX 120A (5-145)

125

MAX 88°C

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM   | Thrust<br>[gf] | Efficiency<br>[%] | Efficiency<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|-------|----------------|-------------------|----------------------|
| 30              | 48.09          | 3.97           | 190.9                 | 142.6               | 0.423           | 3219  | 1501           | 74.7              | 7.9                  |
| 35              | 48.02          | 5.73           | 275.2                 | 212.6               | 0.548           | 3704  | 1977           | 77.3              | 7.2                  |
| 40              | 47.93          | 8.57           | 410.8                 | 328.1               | 0.739           | 4240  | 2637           | 79.9              | 6.4                  |
| 45              | 47.84          | 11.14          | 532.9                 | 428.4               | 0.878           | 4659  | 3151           | 80.4              | 5.9                  |
| 50              | 47.72          | 14.34          | 684.3                 | 552.7               | 1.041           | 5070  | 3743           | 80.8              | 5.5                  |
| 55              | 47.60          | 17.82          | 848.2                 | 689.2               | 1.196           | 5503  | 4304           | 81.3              | 5.1                  |
| 60              | 47.40          | 23.16          | 1097.8                | 892.3               | 1.445           | 5897  | 5147           | 81.3              | 4.7                  |
| 65              | 47.24          | 28.19          | 1331.7                | 1056.9              | 1.600           | 6308  | 5707           | 79.4              | 4.3                  |
| 70              | 47.01          | 35.07          | 1648.6                | 1331.3              | 1.896           | 6705  | 6684           | 8.08              | 4.1                  |
| 75              | 46.78          | 42.06          | 1967.6                | 1579.7              | 2.127           | 7092  | 7524           | 80.3              | 3.8                  |
| 80              | 46.57          | 49.12          | 2287.5                | 1808.3              | 2.316           | 7456. | 8247           | 79.1              | 3.6                  |
| 85              | 46.27          | 57.6           | 2665.2                | 2079.6              | 2.569           | 7730  | 9107           | 78                | 3.4                  |
| 90              | 45.92          | 66.33          | 3045.9                | 2346.0              | 2.785           | 8044  | 9804           | 77                | 3.2                  |
| 95              | 45.58          | 76.81          | 3501.0                | 2642.7              | 3.035           | 8315  | 10312          | 75.5              | 2.9                  |
| 100             | 45.26          | 87.3           | 3951.2                | 2899.8              | 3.230           | 8573  | 11010          | 73.4              | 2.8                  |

| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Input<br>Power<br>[W] | Output Power<br>[W] | Torque<br>[N×m] | RPM                | Thrust<br>(gf) | Efficiency<br>[%]                       | Efficienc<br>[gf/W] |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|--------------------|----------------|---|---------------------|
| 30              | 48.10          | 3.86           | 185.7                 | 136.1               | 0.406           | 3200               | 1673           | 73.3                                    | 9.0                 |
| 35              | 48.04          | 5.63           | 270.5                 | 206.8               | 0.537           | 3678               | 2208           | 76.5                                    | 8.2                 |
| 40              | 47.95          | 8.33           | 399.4                 | 315.4               | 0.711           | 4236               | 2925           | 79                                      | 7.3                 |
| 45              | 47.87          | 10.83          | 518.4                 | 412.8               | 0.848           | 4648               | 3476           | 79.6                                    | 6.7                 |
| 50              | 47.76          | 14.06          | 671.5                 | 538.4               | 1,017           | 5055               | 4149           | 80.2                                    | 6.2                 |
| 55              | 47.63<br>47.46 | 17.98          | 856.4<br>1080.2       | 690.4<br>880.1      | 1.202           | 5485<br>5935       | 4929<br>5775   | 80.6                                    | 5.8                 |
| 65              | 47.25          | 28.6           | 1351.4                | 1081.5              | 1.638           | 6305               | 6644           | 80                                      | 4.9                 |
| 70              | 47.01          | 35.42          | 1665.1                | 1351.2              | 1.919           | 6724               | 7582           | 81.1                                    | 4.6                 |
| 75              | 46.75          | 42.89          | 2005.1                | 1608.7              | 2.174           | 7066               | 8604           | 80.2                                    | 4.3                 |
| 80              | 46.48          | 50.54          | 2349.1                | 1850.5              | 2.389           | 7397               | 9335           | 78.8                                    | 4.0                 |
| 85              | 46.14          | 57.62          | 2658.6                | 2066.1              | 2.558           | 7713               | 10043          | 77.7                                    | 3.8                 |
| 90              | 45.75          | 66.98          | 3064.3                | 2339.0              | 2.805           | 7963               | 10958          | 76.3                                    | 3.6                 |
| 95<br>100       | 45.64<br>45.24 | 76.33<br>88.1  | 3483.7<br>3985.6      | 2596.9<br>2883.1    | 2.986<br>3.231  | 8305<br>8521       | 11568          | 74.5                                    | 3.3                 |
|                 |                |                |                       |                     |                 |                    | 16077          | 125                                     | нот                 |
| 200000000       | AX 5330 EEE-   | -snort snart   | Input                 | 747AVXXXXXX         | 120A (5-14      | 5)                 | 100000000      | 110000000000000000000000000000000000000 | HOT                 |
| Throttle<br>[%] | Voltage<br>[V] | Current<br>[A] | Power<br>[W]          | Output Power<br>[W] | Torque<br>[N×m] | RPM                | Thrust<br>(gf) | Efficiency<br>(%)                       | Efficienc<br>[gf/W] |
| 30              | 48.08          | 4.4            | 211.6                 | 157.5               | 0.468           | 3214               | 1865           | 74.4                                    | 8,8                 |
| 35              | 48.01          | 6.38           | 306.3                 | 237.6               | 0.614           | 3696               | 2473           | 77.6                                    | 8.1                 |
| 40              | 47.92          | 9.35           | 448.1                 | 358.2               | 0.807           | 4239               | 3172           | 79.9                                    | 7.1                 |
| 45              | 47.82          | 12.48          | 596.8                 | 478.9               | 0.984           | 4648               | 3922           | 80.2                                    | 6.6                 |
| 50              | 47.69<br>47.55 | 16.34<br>20.41 | 779.3<br>970.5        | 630.1<br>784.9      | 1,194           | 5039<br>5455       | 4704<br>5432   | 80.9                                    | 6.0<br>5.6          |
| 60              | 47.36          | 25.8           | 1221.9                | 986.0               | 1.610           | 5848               | 6349           | 80.7                                    | 5.2                 |
| 65              | 47.13          | 32.13          | 1514.3                | 1192.6              | 1,839           | 6193               | 7151           | 78.8                                    | 4.7                 |
| 70              | 46.93          | 38.21          | 1793.2                | 1411.2              | 2.049           | 6577               | 7997           | 78.7                                    | 4.5                 |
| 75              | 46.61          | 46.46          | 2165.5                | 1700.6              | 2.345           | 6925               | 9015           | 78.5                                    | 4.2                 |
| 80              | 46.27          | 53.61          | 2480.5                | 1926.0              | 2.526           | 7281               | 9635           | 77.6                                    | 3.9                 |
| 85              | 45.90          | 63.02          | 2892.6                | 2192.6              | 2.782           | 7526               | 10536          | 75.8                                    | 3.6                 |
| 90              | 45.68<br>45.26 | 73.87<br>84.21 | 3374.4                | 2493.6<br>2759.2    | 3.054           | 7797<br>8065       | 11492          | 73.9                                    | 3.4                 |
| 100             | 44.97          | 97.34          | 4377.4                | 3034.6              | 3.507           | 8263               | 12833          | 69.3                                    | 2.9                 |
| MAD V           | AX 5330 EEE    | short shaft    | 260KV <b>1</b>        | 7x8x3 Carbon        | Fiber AN        | <b>IPX</b> 120A (5 | -145)          | 125                                     | MAX<br>95°C         |
| Throttle        | Voltage        | Current        | Input<br>Power        | Output Power        | Torque          | RPM                | Thrust         | Efficiency                              | Efficienc           |
| [%]             | [M]            | [A]            | [W]                   | [W]                 | [N×m]           | 500000             | (sf)           | [%]                                     | [gf/W]              |
| 30              | 48.11          | 4.16<br>5.96   | 200.1                 | 147.1<br>219.9      | 0.414           | 3393               | 1573           | 73.5                                    | 7.9                 |
| 35<br>40        | 48.06          | 5.96<br>8.22   | 286.4<br>394.7        | 308.7               | 0.539           | 3896<br>4386       | 2039<br>2553   | 76,8<br>78,2                            | 7.1<br>6.5          |
| 45              | 47,94          | 11,42          | 547.5                 | 439.2               | 0.854           | 4911               | 3276           | 80.2                                    | 6.0                 |
| 50              | 47.85          | 15.81          | 756.5                 | 612.7               | 1,068           | 5478               | 4111           | 81                                      | 5.4                 |
| 55              | 47.73          | 20.49          | 978.0                 | 793.5               | 1.272           | 5957               | 4828           | 81.1                                    | 4.9                 |
| 60              | 47.60          | 26.07          | 1240.9                | 1004.0              | 1.496           | 6409               | 5742           | 80.9                                    | 4.6                 |
| 65              | 47.48          | 32.15          | 1526,5                | 1223.9              | 1.714           | 6819               | 6584           | 80,2                                    | 4.3                 |
| 70              | 47.32          | 38.94          | 1842.6                | 1474.0              | 1.946           | 7233               | 7398           | 80                                      | 4.0                 |
| 75<br>80        | 47.17<br>46.94 | 45.66<br>55.23 | 2153.8<br>2592.5      | 1709.9<br>2025.4    | 2.147           | 7605<br>8012       | 8234<br>9096   | 79.4                                    | 3.8                 |
| 85              | 46.72          | 65.28          | 3049.9                | 2330.9              | 2.660           | 8368               | 9949           | 76.4                                    | 3.3                 |
| 90              | 46.44          | 76.66          | 3560.1                | 2652.7              | 2.919           | 8678               | 10755          | 74.5                                    | 3.0                 |
| 95              | 46.15          | 88.9           | 4102.7                | 2962.1              | 3,152           | 8974               | 11526          | 72.2                                    | 2.8                 |
| 100             | 45.73          | 105.97         | 4846.0                | 3316.8              | 3.405           | 9302               | 12268          | 68.4                                    | 2.5                 |
|                 |                |                |                       |                     |                 |                    |                |   |                     |

# Our Services

- 1 Year Warranty for all purchases
- 14-day return policy for unsatisfied customers (contact required before return)

Free replacement for defective items within 3 months

After 3 months, replacements available with customer responsible for shipping costs



#### **Frequently Asked Questions**

#### Q: Do you support OEM/ODM?

A: Yes, we can print your logo on the product.

# Q: About samples

A: Samples ready in 7 days (10-20 days for OEM/ODM). Sample fee and shipping charged.

#### Q: What is the delivery time?

A: Regular orders ship in 15 days, OEM/ODM in 25-45 days (quantity dependent).

#### Q: What is the minimum order quantity?

A: No MOQ for wholesale (1 piece accepted), including OEM/ODM.

#### Q: What are your payment terms?

A: L/C or TT 100% payment.

#### Q: Can you reduce shipping costs?

A: We always choose the most economical shipping option available.

### Q: What is your return policy?

A: Contact us within 7 days for replacements. Items must be in original condition with customer responsible for return shipping.



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