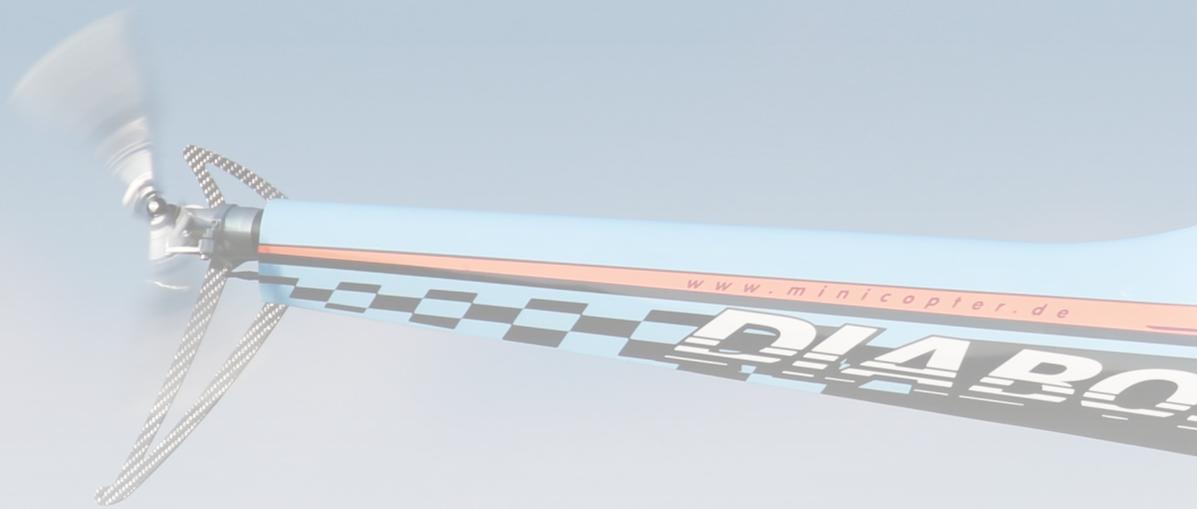


HELICOPTER

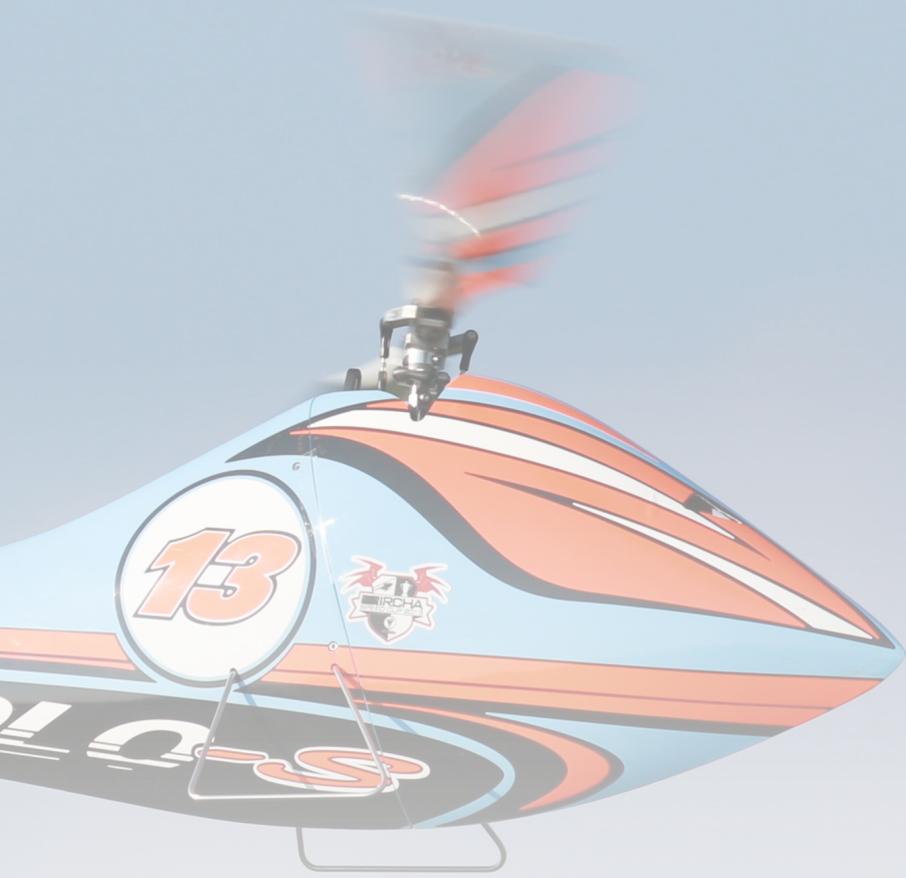
XNOVA
PERFORMANCE MOTORS

Xnova.

Xnovamotors is looking back on over 10 years of experiences in high-end motor development. All our knowledge in this field has been transformed to the premium brand Xnova. After major changes in 2014, we are well known nowadays for the finest quality, long life, highest performance and especially in setting up new standards for all kind of different fields, like speed flying, F3C, scale and extreme 3D flying. All our helicopter motors are 100% hand wound in our factory by our self. We have a team of world-class top pilots, and we constantly work together with them to improve our motors even more to provide you with the finest motor performance money can buy.



XNOVA
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XNOVA

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Xnova 4020 series

- 550 to 620mm Bladesize, 6S to 8S

Xnova 4025 series

- 550 to 620mm Bladesize, 6S to 12S

Xnova 4030 series

- 600 to (700mm) Bladesize, 10S to 14S

Xnova 4035 series

- (600) to 700mm Bladesize, 10S to 14S

Xnova 4530 series

- 700 to (800mm) Bladesize, 12S to 14S

4020-4530 series supplied with quality NMB bearings. (2 on top 1 at bottom 4025-4530)
No oiling of bearings required

Specialized wires, heat res. up to 250 degree C.
(all motors are 100% hand-wound)

Optimized ventilation

Up to 4 different shafts available flat-spot ready to use

Swiss custom made highest quality wave spring washer. (reduced noise and increase bearing life)

High qual. Neodym Mag. heat res. up to 150 degree

Precise balanced

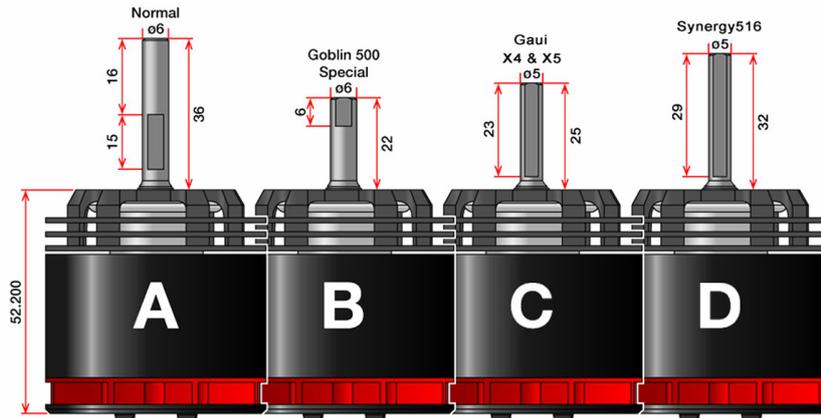
Customize engrave available

(for teams or sponsored pilots)





XNOVA 4020 PERFORMANCE SERIES



4020-1000 KV

2-High quality NMB bearings.
Perfect for 500mm to 550mm bladesize helicopters
Optimized for 6S
100% handwound

Slots & Poles	24n8p
Winding T	2Y
rpm/V	1000
Volt (V)	10 20
Io(A)	1.9 3
Rm (mohm)	8.4 8.4
Weight (without connector) (g)	348
Body Length (no shaft) mm	50.75
Diameter (mm)	49.5
Shaft Length (mm)	/ 36 / 22 / 25
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3=25 and 4*30
Mounting Screw	V3=4*M3 and 4*M4
Max Eff. Curr.	47.56 84.52
Max Eff.	92.01 92.90
Kt (Nm/A)	0.0095
Km (Nm/sqrt(w))	0.1042
Max Continuous Power(Watts)	2200
Peak Continuous Power(Watts) (5 sec)	2800
Max cont. current (A)	100



4020-1200 KV

2-High quality NMB bearings.
Perfect for 500mm to 550mm bladesize helicopters
Optimized for 6S
100% handwound

Slots & Poles	24n8p
Winding T	2Y
rpm/V	1200
Volt (V)	10 20
Io(A)	2.1 3.2
Rm (mohm)	8 8
Weight (without connector) (g)	348
Body Length (no shaft) mm	50.75
Diameter (mm)	49.5
Shaft Length (mm)	/ 36 / 22 / 25
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3=25 and 4*30
Mounting Screw	V3=4*M3 and 4*M4
Max Eff. Curr.	51.23 89.44
Max Eff.	91.80 92.84
Kt (Nm/A)	0.008
Km (Nm/sqrt(w))	0.089
Max Continuous Power(Watts)	2400
Peak Continuous Power(Watts) (5 sec)	2900
Max cont. current (A)	105



Xnova brushless high performance outrunner motors for 520-550 size helicopters for flying on 8s-10s or extreme flying on 6-8s. Very powerful motor for Goblin 500, Synergy 516 and E5, T-rex 550, Gauri X5 or Logo 500 up to Logo 550.

4020-1350 KV

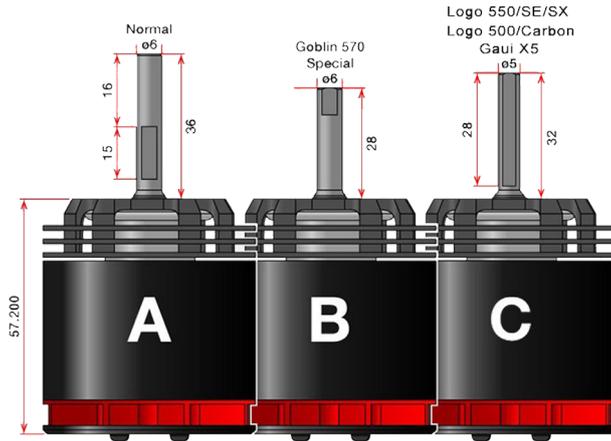
2-High quality NMB bearings.
 Perfect for 500mm to 550mm bladesize helicopters
 Optimized for 6S
 100% handwound



Slots & Poles	24n8p
Winding T	1.5Y
rpm/V	1350
Volt (V)	10 20
Io(A)	3.3 5.8
Rm (mohm)	6 6
Weight (without connector) (g)	340
Body Length (no shaft) mm	50.75
Diameter (mm)	49.5
Shaft Length (mm)	/ 36 / 22 / 25 / 32
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3=25 and 4*30
Mounting Screw	V3=4*M3 and 4*M4
Max Eff. Curr.	74.16 139.04
Max Eff.	91.10 91.66
Kt (Nm/A)	0.0071
Km (Nm/sqrt(w))	0.0913
Max Continuous Power(Watts)	2500
Peak Continuous Power(Watts) (5 sec)	3200
Max cont. current (A)	125



XNOVA 4025 PERFORMANCE SERIES



4025-560 KV

3-High quality NMB bearings.
Perfect for 550mm to 630mm bladesize helicopters
Optimized for 10-12S
100% handwound

Slots & Poles	24n8p
Winding T	3Y
rpm/V	560
Volt (V)	10 20 30
Io(A)	0.9 1.2 1.6
Rm (mohm)	19 19 19
Weight (without connector) (g)	384
Body Length (no shaft) mm	55.75
Diameter (mm)	49.5
Shaft Length (mm)	36 / 28 / 32
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3=4*25 and 4*30
Mounting Screw	V3 = M3 and M4
Max Eff. Curr.	21.76 35.54 50.26
Max Eff.	91.73 93.25 93.63
Kt (Nm/A)	0.0171
Km (Nm/sqrt(w))	0.1237
Max Continuous Power(Watts)	3000
Peak Continuous Power(Watts) (5 sec)	4000
Max cont. current (A)	68



4025-670 KV

3-High quality NMB bearings.
Perfect for 550mm to 630mm bladesize helicopters
Optimized for 8-10S
100% handwound

Slots & Poles	24n8p
Winding T	2.5Y
rpm/V	670
Volt (V)	10 20 30
Io(A)	1.1 1.6 2.2
Rm (mohm)	16.7 16.7 16.7
Weight (without connector) (g)	381
Body Length (no shaft) mm	55.75
Diameter (mm)	49.5
Shaft Length (mm)	36/25/32
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3=4*M3 and 4*M4
Mounting Screw	V3=M3 and M4
Max Eff. Curr.	25.66 43.77 62.87
Max Eff.	91.43 92.69 93.00
Kt (Nm/A)	0.0143
Km (Nm/sqrt(w))	0.1103
Max Continuous Power(Watts)	3000
Peak Continuous Power(Watts) (5 sec)	4000
Max cont. current (A)	80



Xnova brushless high performance outrunner motors for 550-620 size helicopters for flying on 8s-10s or extreme flying on 10-12s. Very powerful motor for Goblin 570, Synergy E5 - E6, T-rex 600, Diabolo 600 or Logo 500 up to Logo 600.



4025-830 KV

3-High quality NMB bearings.
Perfect for 550mm to 630mm bladesize helicopters
Optimized for 6-8S
100% handwound

Slots & Poles	24n8p
Winding T	2Y
rpm/V	830
Volt (V)	10 20 30
Io(A)	1.5 2.3 3.3
Rm (mohm)	11 11 11
Weight (without connector) (g)	386
Body Length (no shaft) mm	55.75
Diameter (mm)	49.5
Shaft Length (mm)	36 / 25 / 32
Shaft Dia. (mm)	5mm / 6mm
Mounting Holes CTC Distance (mm)	V3 = 4*M3 and 4*M4
Mounting Screw	V3 = M3 and M4
Max Eff. Curr.	36.93 64.67 94.87
Max Eff.	91.88 92.89 94.87
Kt (Nm/A)	0.0115
Km (Nm/sqrt(w))	0.1097
Max Continuous Power(Watts)	3000
Peak Continuous Power(Watts) (5 sec)	4000
Max cont. current (A)	98



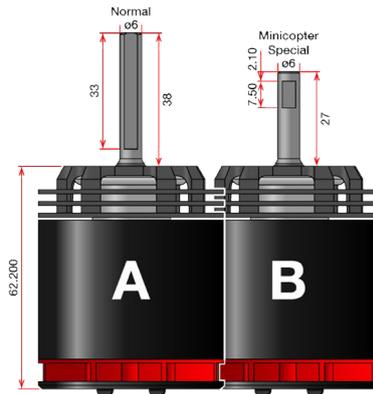
4025-1120 KV

3-High quality NMB bearings.
Perfect for 550mm to 630mm bladesize helicopters
Optimized for 6S
100% handwound

Slots & Poles	24n8p
Winding T	1.5Y
rpm/V	1120
Volt (V)	10 20 25
Io(A)	2.7 3.2 3.6
Rm (mohm)	7.3 7.3 7.3
Weight (without connector) (g)	384
Body Length (no shaft) mm	55.75
Diameter (mm)	49.5
Shaft Length (mm)	36 28 (Goblin 570)
Shaft Dia. (mm)	06. Mai
Mounting Holes CTC Distance (mm)	V3=4*25 and 4*30
Mounting Screw	V3 = M3 and M4
Max Eff. Curr.	60.82 93.63 111.03
Max Eff.	91.12 93.16 93.52
Kt (Nm/A)	0.0085
Km (Nm/sqrt(w))	0.0998
Max Continuous Power(Watts)	3000
Peak Continuous Power(Watts) (5 sec)	4000
Max cont. current (A)	110



XNOVA 4030 PERFORMANCE SERIES



4030-350 KV

3-High quality NMB bearings.
Perfect for 550mm to 650mm bladesize helicopters
Optimized for 10-14S
100% handwound

Slots & Poles	24n8p
Winding T	4Y
rpm/V	350
Volt (V)	10 20 30
Io(A)	0.5 0.7 0.8
Rm (mohm)	37 37 37
Weight (without connector) (g)	440
Body Length (no shaft) mm	60.75
Diameter (mm)	49.5
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	11.62 19.45 25.47
Max Eff.	91.40 92.80 93.72
Kt (Nm/A)	0.0273
Km (Nm/sqrt(w))	0.1418
Max Continuous Power(Watts)	2500
Peak Continuous Power(Watts) (5 sec)	3500
Max cont. current (A)	56



4030-470 KV

3-High quality NMB bearings.
Perfect for 550mm to 650mm bladesize helicopters
Optimized for 10-12S
100% handwound

Slots & Poles	24n8p
Winding T	3Y
rpm/V	470
Volt (V)	10 20 30
Io(A)	0.8 1.1 1.4
Rm (mohm)	22 22 22
Weight (without connector) (g)	445
Body Length (no shaft) mm	60.75
Diameter (mm)	49.5
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	19.70 31.62 43.69
Max Eff.	91.61 93.04 93.59
Kt (Nm/A)	0.0203
Km (Nm/sqrt(w))	0.137
Max Continuous Power(Watts)	3200
Peak Continuous Power(Watts) (5 sec)	5000
Max cont. current (A)	75

4530/8D-500 10P
SN:V2-0001

Xnova brushless high performance outrunner motors for 550-620 size helicopters for flying on 8s-10s or extreme flying on 10-12s. Extreme powerful motor for Goblin 570, Synergy E5 - E6, T-rex 600, Diabolo 600 or Logo 500 up to Logo 600.



4030-560 KV

3-High quality NMB bearings.
 Perfect for 550mm to 650mm bladesize helicopters
 Optimized for 10-12S
 100% handwound

Slots & Poles	24n8p
Winding T	2.5Y
rpm/V	560
Volt (V)	10 20 30
Io(A)	1.1 1.5 1.8
Rm (mohm)	18 18 18
Weight (without connector) (g)	431
Body Length (no shaft) mm	60.75
Diameter (mm)	49.5
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	24.72 40.82 54.77
Max Eff.	91.10 92.65 93.43
Kt (Nm/A)	0.0171
Km (Nm/sqrt(w))	0.1271
Max Continuous Power(Watts)	3400
Peak Continuous Power(Watts) (5 sec)	5000
Max cont. current (A)	92



4030-710 KV

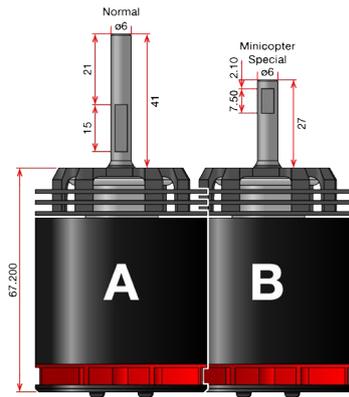
3-High quality NMB bearings.
 Perfect for 550mm to 650mm bladesize helicopters
 Optimized for 8-10S
 100% handwound

Slots & Poles	24n8p
Winding T	2Y
rpm/V	710
Volt (V)	10 20 30
Io(A)	1.4 2 2.7
Rm (mohm)	11.9 11.9 11.9
Weight (without connector) (g)	432
Body Length (no shaft) mm	60.75
Diameter (mm)	49.5
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	34.30 57.98 82.50
Max Eff.	91.84 93.10 93.45
Kt (Nm/A)	0.0134
Km (Nm/sqrt(w))	0.1233
Max Continuous Power(Watts)	3600
Peak Continuous Power(Watts) (5 sec)	5000
Max cont. current (A)	100

NOVA
 PERFORMANCE MOTORS



XNOVA 4035 PERFORMANCE SERIES



4035-300 KV

3-High quality NMB bearings.
Perfect for 620mm to 700mm bladesize helicopters
Optimized for 10-14S
100% handwound

Slots & Poles	24n8p
Winding T	4Y
rpm/V	300
Volt (V)	10 20 30
Io(A)	0.5 0.6 0.8
Rm (mohm)	43 43 43
Weight (without connector) (g)	495
Body Length (no shaft) mm	65.75
Diameter (mm)	49.5
Shaft Length (mm)	41 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	10.78 16.71 23.62
Max Eff.	90.73 92.82 93.23
Kt (Nm/A)	0.0318
Km (Nm/sqrt(w))	0.1535
Max Continuous Power(Watts)	3000
Peak Continuous Power(Watts) (5 sec)	4500
Max cont. current (A)	58



4035-400 KV

3-High quality NMB bearings.
Perfect for 620mm to 700mm bladesize helicopters
Optimized for 10-12S
100% handwound

Slots & Poles	24n8p
Winding T	3Y
rpm/V	400
Volt (V)	10 20 30
Io(A)	0.8 1 1.2
Rm (mohm)	23 23 23
Weight (without connector) (g)	483
Body Length (no shaft) mm	65.75
Diameter (mm)	49.5
Shaft Length (mm)	41 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	18.65 29.49 39.56
Max Eff.	91.42 93.22 93.93
Kt (Nm/A)	239
Km (Nm/sqrt(w))	0.1574
Max Continuous Power(Watts)	3500
Peak Continuous Power(Watts) (5 sec)	5300
Max cont. current (A)	78



Xnova brushless high performance outrunner motors for 620-700 size helicopters for flying on 8s-10s or extreme flying on 10-12s. Very powerful motor for Synergy E6, T-rex 600, Diabolo 700 and Logo 600 up to Logo 690.



4035-480 KV

3-High quality NMB bearings.
Perfect for 620mm to 700mm bladesize helicopters
Optimized for 10-12S
100% handwound

Slots & Poles	24n8p
Winding T	2.5Y
rpm/V	480
Volt (V)	10 20 30
Io(A)	1 1.3 1.7
Rm (mohm)	20 20 20
Weight (without connector) (g)	473
Body Length (no shaft) mm	65.75
Diameter (mm)	49.5
Shaft Length (mm)	141 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	22.36 36.06 50.50
Max Eff.	91.06 92.79 93.27
Kt (Nm/A)	0.0199
Km (Nm/sqrt(w))	0.1407
Max Continuous Power(Watts)	3800
Peak Continuous Power(Watts) (5 sec)	5600
Max cont. current (A)	85



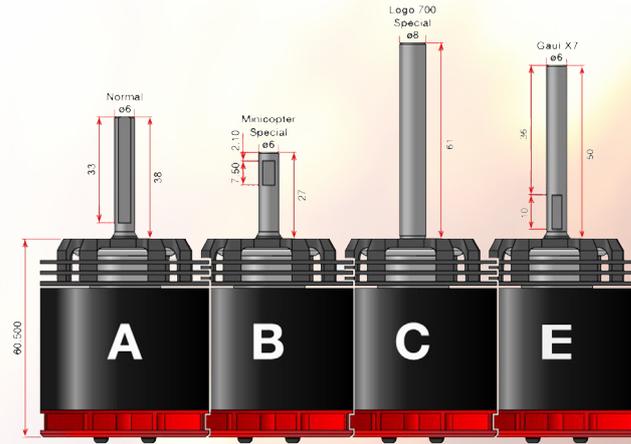
4035-600 KV

3-High quality NMB bearings.
Perfect for 620mm to 700mm bladesize helicopters
Optimized for 8-10S
100% handwound

Slots & Poles	24n8p
Winding T	2Y
rpm/V	600
Volt (V)	10 20 30
Io(A)	1.3 1.8 2.3
Rm (mohm)	12 12 12
Weight (without connector) (g)	477
Body Length (no shaft) mm	65.75
Diameter (mm)	49.5
Shaft Length (mm)	141 27
Shaft Dia. (mm)	6
Mounting Holes CTC Distance (mm)	25 30
Mounting Screw	2 x M4 2 x M4
Max Eff. Curr.	32.91 54.77 75.83
Max Eff.	92.10 93.43 93.93
Kt (Nm/A)	0.0159
Km (Nm/sqrt(w))	0.1453
Max Continuous Power(Watts)	4000
Peak Continuous Power(Watts) (5 sec)	5800
Max cont. current (A)	110



XNOVA 4530 PERFORMANCE SERIES



4530-450 KV



3-High quality NMB bearings.
Perfect for 690mm to 770mm helicopters
Optimized for 12-14S
100% handwound

Slots & Poles	12n10p
Winding T	9D
rpm/V	450
Volt (V)	10 20 30 40
Io(A)	1.3 2 2.6 3.5
Rm (mohm)	13 13 13 13
Weight (without connector) (g)	535
Body Length (no shaft) mm	60.5
Diameter (mm)	55.7
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	103.77 128.60 142.51
Max Eff.	93.25 93.31 93.26
Kt (Nm/A)	0.0212
Km (Nm/sqrt(w))	0.1861
Max Continuous Power(Watts)	5000
Peak Continuous Power(Watts) (5 sec)	10000 (2sec)
Max cont. current (A)	110

4530-500 KV



3-High quality NMB bearings.
Perfect for 690mm to 790mm helicopters
Optimized for 10-12S
100% handwound

Slots & Poles	12n10p
Winding T	8D
rpm/V	500
Volt (V)	10 20 30 40
Io(A)	1.8 2.4 3.3 4.1
Rm (mohm)	10 10 10 10
Weight (without connector) (g)	535
Body Length (no shaft) mm	60.5
Diameter (mm)	55.7
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	42.43 69.28 99.50 128.06
Max Eff.	91.51 93.07 93.37 93.60
Kt (Nm/A)	191
Km (Nm/sqrt(w))	0.191
Max Continuous Power(Watts)	5000
Peak Continuous Power(Watts) (5 sec)	10000 (2sec)
Max cont. current (A)	120

Xnova brushless high performance outrunner motors for 700-770 size helicopters for flying on 10s-12s or extreme flying on 12-14s. Very powerful motor for Goblin 700, Synergy E7 - E6, T-rex 700, or Diabolo 700 and any other 700 class helicopter.

Xnova motors are for me the most reliable and powerful motors I have ever used in my 14 Years of RC Helicopter flying. I have never managed to burn even 1 motor, nor did I have a single issue. No matter how extremely hot the weather was, the Xnova motors always held up with it in all my testing and flying.

TAREQ ALSAADI U.A.E



XTS

XNOVA TEMPTATION SERIES



Xnova XTS 2216 series multi-strand wires
- 210 to 285mm Bladesize, 3S-6S

Xnova XTS 2618 series multi-strand wires
- 325 to 360mm Bladesize, 6S

Xnova XTS 4525 series single strand thick wires handwound
- 630 to 710mm Bladesize, 10S-12S

Xnova XTS 4530 series single strand thick wires handwound
- 630 to 710mm Bladesize, 10S-14S

Xnova XTS 4535 series single strand thick wires handwound
690 to 800mm Bladesize, 12S-14S

4530-4535 series supplied with quality NMB bearings. (2 on top 1 at bottom)
No oiling of bearings required

Specialized wires, heat resistance up to 300 degree C.
(all motors are 100% hand-wound)

Optimized ventilation

Up to 4 different shafts available flat-spot ready to use

Swiss custom made highest quality wave spring washer. (reduced noise and increase bearing life)

High qual. Neodym Mag. heat res. up to 150 degree

Precise balanced

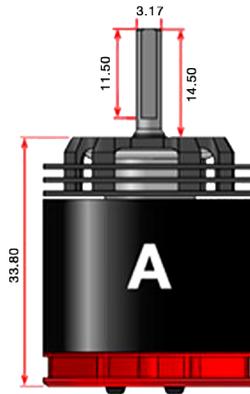
Customize engrave available
(for teams or sponsored pilots)



(*Caution* please pay attention when inserting screw for assembling motor on motor mount. Please ensure screws are correct length and dont touch motor windings)
for more informations and tips on ESC settings go to www.xnovamotors.com



XNOVA 2216 XTS SERIES



XTS-2216-2600 KV

High qual. Neodym Mag.heat res. up to 150 degree C.
Specialized wires,heat resistance up to 250 degree C.
Precise balanced.
High performance stator metal sheet.
High quality NMB bearings.
Marked leading high efficiency up to 86%.
Cooler running.
Superb quality and machining of CNC parts.
Improved torque and power output.
For 220-285mm bladesize helicopter on 6S

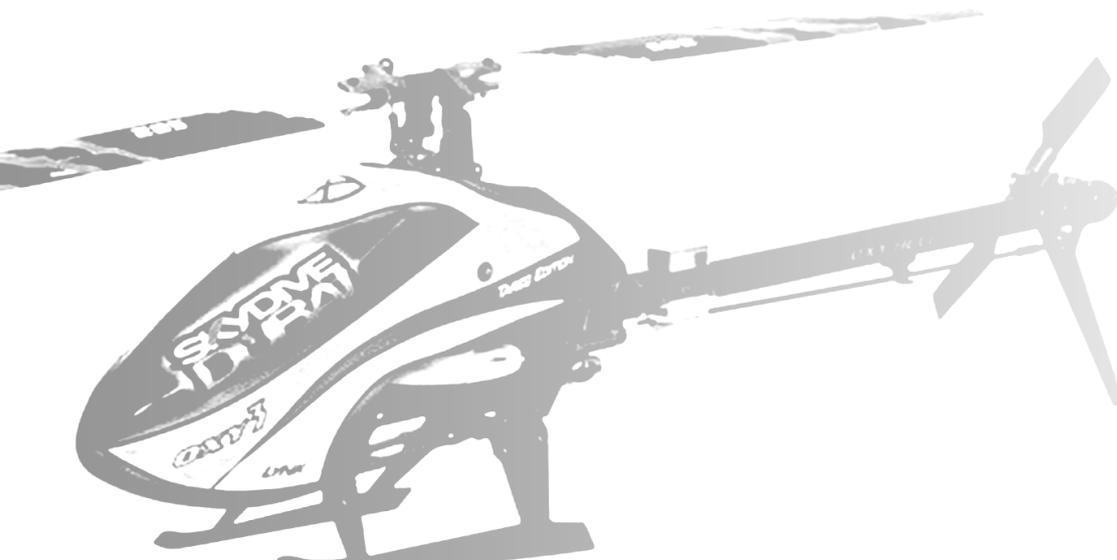
Slots & Poles	9n6p
Winding T	D
rpm/V	2600
Volt (V)	15/ 25
Io(A)	2.7 / 3.5
Rm (mohm)	36
Weight (without connector) (g)	75
Body Length (no shaft) mm	33.8
Diameter (mm)	28.5
Shaft Length (mm)	14.5
Shaft Dia. (mm)	3.17
Mounting Holes CTC Distance (mm)	16*4
Mounting Screw	M3x0.5
Max Eff. Curr.	33.54 / 49.30
Max Eff.	83.90 / 85.80
Kt (Nm/A)	0.0037
Km (Nm/sqrt(w))	0.0194
Max Continuous Power(Watts)	720
Peak Continuous Power(Watts) (2 sec)	not provided
Max Continuous Current(Amps)	32



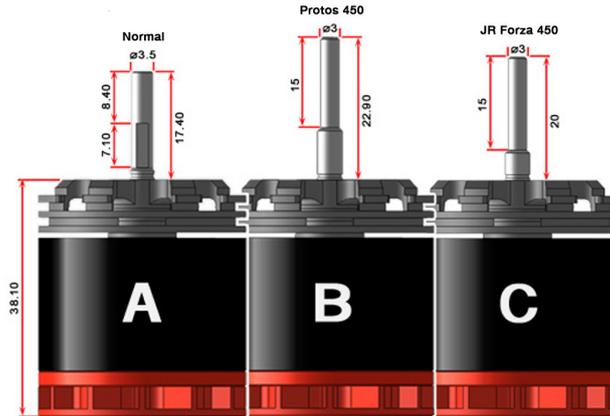
XTS-2216-4100 KV

High qual. Neodym Mag.heat res. up to 150 degree C.
Specialized wires,heat resistance up to 250 degree C.
Precise balanced.
High performance stator metal sheet.
High quality NMB bearings.
Marked leading high efficiency up to 86%.
Cooler running.
Superb quality and machining of CNC parts.
Improved torque and power output.
For 220-285mm bladesize helicopter on 3-4S

Slots & Poles	9n6p
Winding T	D
rpm/V	4100
Volt (V)	Ok1 15
Io(A)	4.2 / 5.8
Rm (mohm)	15
Weight (without connector) (g)	77
Body Length (no shaft) mm	33.8
Diameter (mm)	28.5
Shaft Length (mm)	14.5
Shaft Dia. (mm)	3.17
Mounting Holes CTC Distance (mm)	16*4
Mounting Screw	M3x0.5
Max Eff. Curr.	52.92 / 76.16
Max Eff.	84.13/ 84.77
Kt (Nm/A)	0.0023
Km (Nm/sqrt(w))	0.019
Max Continuous Power(Watts)	580
Peak Continuous Power(Watts) (2 sec)	not provided
Max Continuous Current(Amps)	36



XNOVA 2218 XTS SERIES



XTS-2618-1360 KV



High qual. Neodym Mag.heat res. up to 150 degree C.
Specialized wires,heat resistance up to 250 degree C.
Precise balanced.
High quality NMB bearings.
Marked leading high efficiency up to 88%.
For 320-385mm bladesize helicopter on 6S

Slots & Poles	12n10p
Winding T	13D
rpm/V	1360
Volt (V)	10 / 22.2
Io(A)	1.6 / 3.0
Rm (mohm)	25
Weight (without connector) (g)	108
Body Length (no shaft) mm	38.1
Diameter (mm)	33
Shaft Length (mm)	A,B,C
Shaft Dia. (mm)	A=3.5 / B=3
Mounting Holes CTC Distance (mm)	19*2 & 16*2
Mounting Screw	M3x0.5
Max Eff. Curr.	25.30 / 51.61
Max Eff.	87.35 / 88.38
Kt (Nm/A)	0.007
Km (Nm/sqrt(w))	0.0444
Max Continuous Power(Watts)	720
Peak Continuous Power(Watts) (2 sec)	960
Max Continuous Current(Amps)	36

XTS-2618-1580 KV



High qual. Neodym Mag.heat res. up to 150 degree C.
Specialized wires,heat resistance up to 250 degree C.
Precise balanced.
High quality NMB bearings.
Marked leading high efficiency up to 88%.
For 320-385mm bladesize helicopter On 6S

Slots & Poles	12n10p
Winding T	11D
rpm/V	1580
Volt (V)	10 / 22.2
Io(A)	2.0 / 3.5
Rm (mohm)	20
Weight (without connector) (g)	110
Body Length (no shaft) mm	38.1
Diameter (mm)	33
Shaft Length (mm)	A,B,C
Shaft Dia. (mm)	A=3.5 / B=3
Mounting Holes CTC Distance (mm)	19*2 & 16*2
Mounting Screw	M3x0.5
Max Eff. Curr.	31.62 / 62.33
Max Eff.	87.35 / 88.77
Kt (Nm/A)	0.006
Km (Nm/sqrt(w))	0.0427
Max Continuous Power(Watts)	800
Peak Continuous Power(Watts) (2 sec)	1060
Max Continuous Current(Amps)	40

XTS-2618-1860 KV



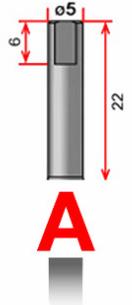
High qual. Neodym Mag.heat res. up to 150 degree C.
Specialized wires,heat resistance up to 250 degree C.
Precise balanced.
High quality NMB bearings.
Marked leading high efficiency up to 88%.
For 320-385mm bladesize helicopter on 6S

Slots & Poles	12n10p
Winding T	10D
rpm/V	1860
Volt (V)	10 / 22.2
Io(A)	2.5 / 4.2
Rm (mohm)	15
Weight (without connector) (g)	110
Body Length (no shaft) mm	38.1
Diameter (mm)	33
Shaft Length (mm)	A,B,C
Shaft Dia. (mm)	A=3.5 / B=3
Mounting Holes CTC Distance (mm)	19*2 & 16*2
Mounting Screw	M3x0.5
Max Eff. Curr.	40.82 / 78.84
Max Eff.	87.75 / 89.35
Kt (Nm/A)	0.0051
Km (Nm/sqrt(w))	0.0419
Max Continuous Power(Watts)	900
Peak Continuous Power(Watts) (2 sec)	1200
Max Continuous Current(Amps)	45

XNOVA XTS 2820-890KV

XTS-2820 SHAFT

High qual. Neodym Mag.heat res. up to 150 degree C.
 Specialized wires,heat resistance up to 250 degree C.
 Precise balanced.
 High performance stator metal sheet.
 Very large high quality NMB bearings.
 Marked leading high efficiency up to 90%.
 Cooler running.
 Superb quality and machining of CNC parts.
 Improved torque and power output.
 For 320-385mm bladesize helicopter on 6S
 Hand wound single strand wire

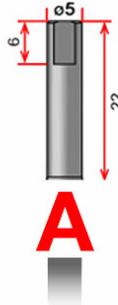


Slots & Poles	12n10p
Winding T	10YY
rpm/V	890
Volt (V)	10 / 22.2
Io(A)	1.2 / 1.7
Rm (mohm)	34 / 34
Weight (without connector) (g)	140
Body Length (no shaft) mm	40.7
Diameter (mm)	36
Shaft Length (mm)	A
Shaft Dia. (mm)	5
Mounting Holes CTC Distance (mm)	25
Mounting Screw	M3x0.5
Max Eff. Curr.	17.77 / 31.51
Max Eff.	86.49 / 89.21
Kt (Nm/A)	0.0107
Km (Nm/sqrt(w))	0.055
Max Continuous Power(Watts)	1080
Peak Continuous Power(Watts) (2 sec)	1360
Max Continuous Current(Amps)	48

XNOVA 3215-930KV TAREQ

TAREQ-3215 SHAFT

High qual. Neodym Mag.heat res. up to 150 degree C.
 Specialized wires,heat resistance up to 250 degree C.
 Precise balanced.
 High performance stator metal sheet.
 Very large high quality NMB bearings.
 Marked leading high efficiency up to 91%.
 Cooler running.
 Superb quality and machining of CNC parts.
 Improved torque and power output.
 For 320-385mm bladesize helicopter on 6S
 Hand wound YY single strand wire



TAREQ

SPECIAL EDITION



Slots & Poles	12n10p
Winding T	YY
rpm/V	930
Volt (V)	10 / 22.2
Io(A)	1.3 / 2.1
Rm (mohm)	28 / 28
Weight (without connector) (g)	160
Body Length (no shaft) mm	40
Diameter (mm)	40.5
Shaft Length (mm)	A
Shaft Dia. (mm)	5
Mounting Holes CTC Distance (mm)	25
Mounting Screw	M3x0.5
Max Eff. Curr.	21.55 / 40.80
Max Eff.	87.93 / 89.71
Kt (Nm/A)	0.0103
Km (Nm/sqrt(w))	0.0614
Max Continuous Power(Watts)	1280
Peak Continuous Power(Watts) (2 sec)	1700
Max Continuous Current(Amps)	58

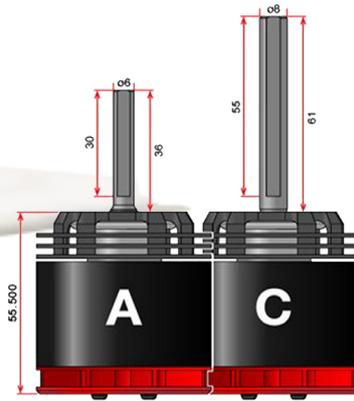
SAB HELI DIVISION 380

BETA VERSION

XTE

TAREQ

XNOVA 4525 XTS SERIES



XTS-4525-530 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 single strand thick wire.
 100% handwound , optimized for 12S use.
 For 650mm-710mm bladesize helicopters

Slots & Poles	12n10p
Winding T	YY with thick wire
rpm/V	530
Volt (V)	20 30 40
Io(A)	3.4 4.5 5.6
Rm (mohm)	9.5 9.5 9.5
Weight (without connector) (g)	488
Body Length (no shaft) mm	55.5
Diameter (mm)	55.7
Shaft Length (mm)	36 / 56 / 60
Shaft Dia. (mm)	6 8
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	82.08 116.53 150.79
Max Eff.	92.20 92.62 92.84
Kt (Nm/A)	0.018
Km (Nm/sqrt(w))	0.1849
Max Continuous Power(Watts)	4500
Peak Continuous Power(Watts) (5 sec)	10000 (2sec)
Max cont. current (A)	95



XTS-4525-560 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 single strand thick wire.
 100% handwound , optimized for 12S use.
 For 650mm-710mm bladesize helicopters

Slots & Poles	12n10p
Winding T	YY with thick wire
rpm/V	560
Volt (V)	20 30 40
Io(A)	3.4 4.5 5.6
Rm (mohm)	9 9 9
Weight (without connector) (g)	480
Body Length (no shaft) mm	55.5
Diameter (mm)	55.7
Shaft Length (mm)	36 61
Shaft Dia. (mm)	6 8
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	86.92 122.47 157.76
Max Eff.	92.18 92.65 92.90
Kt (Nm/A)	0.0171
Km (Nm/sqrt(w))	0.1797
Max Continuous Power(Watts)	5000
Peak Continuous Power(Watts) (5 sec)	10000 (2sec)
Max cont. current (A)	100

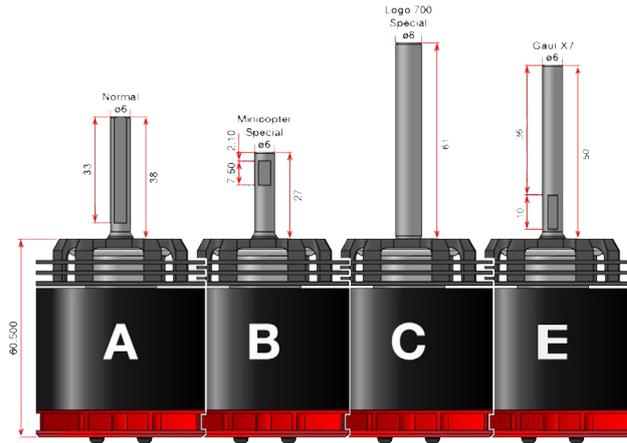


XTS-4525-600 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 single strand thick wire.
 100% handwound , optimized for 12S use.
 For 650mm-710mm bladesize helicopters

Slots & Poles	12n10p
Winding T	YY with thick wire
rpm/V	600
Volt (V)	20 30 40
Io(A)	3.8 5.1 6.1
Rm (mohm)	7.3 7.3 7.3
Weight (without connector) (g)	485
Body Length (no shaft) mm	55.5
Diameter (mm)	55.7
Shaft Length (mm)	36 61
Shaft Dia. (mm)	6 8
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	102.03 144.77 182.82
Max Eff.	92.55 92.95 93.33
Kt (Nm/A)	0.0159
Km (Nm/sqrt(w))	0.1863
Max Continuous Power(Watts)	4600
Peak Continuous Power(Watts) (5 sec)	10000 (2sec)
Max cont. current (A)	110

XNOVA 4530 XTS SERIES



XTS-4530-480 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 single strand thick wire.
 100% handwound , optimized for 14S use.
 For 650mm-770mm bladesize helicopters

Slots & Poles	12n10p
Winding T	5+5 YY with 1.4mm thick wire
rpm/V	480
Volt (V)	10 20 30 40
Io(A)	1.4 2 2.8 3.5
Rm (mohm)	12 12 12 12
Weight (without connector) (g)	535
Body Length (no shaft) mm	60.5
Diameter (mm)	55.7
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	34.16 57.74 83.67 108.01
Max Eff.	91.80 93.07 93.31 93.52
Kt (Nm/A)	0.0199
Km (Nm/sqrt(w))	0.1816
Max Continuous Power(Watts)	5600
Peak Continuous Power(Watts) (5 sec)	11000 (2sec)
Max cont. current (A)	130

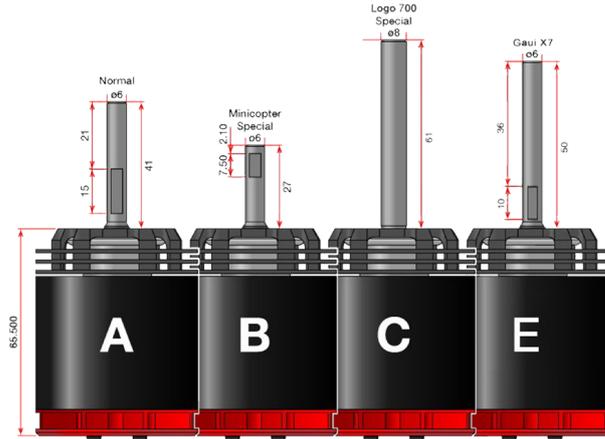


XTS-4530-525 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 single strand thick wire.
 100% handwound , optimized for 12S use.
 For 650mm-770mm bladesize helicopters

Slots & Poles	12n10p
Winding T	4+5 YY with 1.5mm thick wire
rpm/V	525
Volt (V)	10 20 30 40
Io(A)	1.4 2 2.8 3.5
Rm (mohm)	12 12 12 12
Weight (without connector) (g)	535
Body Length (no shaft) mm	60.5
Diameter (mm)	55.7
Shaft Length (mm)	38 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	34.16 57.74 83.67 108.01
Max Eff.	91.80 93.07 93.31 93.52
Kt (Nm/A)	0.0199
Km (Nm/sqrt(w))	0.1816
Max Continuous Power(Watts)	5600
Peak Continuous Power(Watts) (5 sec)	11000 (2sec)
Max cont. current (A)	150

XNOVA 4535 XTS SERIES



XTS-4535-460 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 1.5mm single strand thick wire.
 100% handwound , optimized for 12-14S use.
 For 700mm-820mm bladesize helicopters

Slots & Poles	12n10p
Winding T	4+5 YY with 1.5mm thick wire
rpm/V	460
Volt (V)	10 20 30 40 50 55
Io(A)	2 3 4 4.8 5.6 6.2
Rm (mohm)	9 9 9 9 9
Weight (without connector) (g)	620
Body Length (no shaft) mm	65.5
Diameter (mm)	55.7
Shaft Length (mm)	41 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	47.14 81.65 115.47 146.06 176.38 194.65
Max Eff.	91.51 92.65 93.07 93.43 93.65 93.63
Kt (Nm/A)	0.0208
Km (Nm/sqrt(w))	0.2188
Max Continuous Power(Watts)	6600
Peak Continuous Power(Watts) (5 sec)	13000 (2sec)
Max cont. current (A)	160



XTS-4535-520 KV

High quality NMB bearings. (2 on top 1 at bottom)
 Marked leading high efficiency up to 93%.
 1.6mm single strand thick wire.
 100% handwound , optimized for 12S use.
 For 700mm-820mm bladesize helicopters

Slots & Poles	12n10p
Winding T	4+4 YY with 1.6mm thick wire
rpm/V	520
Volt (V)	10 20 30 40 50 55
Io(A)	2.3 3.2 4.2 5.2 5.9 6.7
Rm (mohm)	7.5 7.5 7.5 7.5 7.5 7.5
Weight (without connector) (g)	624
Body Length (no shaft) mm	65.5
Diameter (mm)	55.7
Shaft Length (mm)	41 27
Shaft Dia. (mm)	6 8 10
Mounting Holes CTC Distance (mm)	30
Mounting Screw	4x07
Max Eff. Curr.	55.38 92.38 129.61 166.53 198.33 221.66
Max Eff.	91.69 93.07 93.52 93.76 94.05 93.95
Kt (Nm/A)	0.0187
Km (Nm/sqrt(w))	0.2162
Max Continuous Power(Watts)	6500
Peak Continuous Power(Watts) (5 sec)	13000 (2sec)
Max cont. current (A)	180

XNOVA
PERFORMANCE MOTORS



L4525/4+5YY-600 10P
SN:V1-0001

XNOVA 4020 LIGHTNING SERIES

4020-1000 KV

500mm to 550mm bladesize helicopters 6S to 8S
100% handwound

4020-1200 KV

500mm to 550mm bladesize helicopters 6S to 8S
100% handwound

4020-1350 KV

500mm to 550mm bladesize helicopters 6S
100% handwound



We have spent hours of testing to improve the very well established 4020 series. The result is an even better overall performing motor with extreme low cogging torque and increased efficiency. This all will provide you a cooler running motor and also more consistent power delivery over the full flight. The Xnova V3 lightning series is the highest level of motor performance money can buy nowadays.

1. Improved higher efficiency with thinner stator lamination, resulting in lower temperature.
2. Optimized and unique design, hand wound to perfection
3. Smooth running, low cogging torque.
4. New type of higher degree magnets.



XNOVA 4025 LIGHTNING SERIES

4025-560 KV

3-High quality NMB bearings
Perfect for 550mm to 610mm bladesize helicopters
Optimized for 10-12S
100% handwound

4025-670 KV

3-High quality NMB bearings
Perfect for 550mm to 610mm bladesize helicopters
Optimized for 8-10S
100% handwound



4025-830 KV

3-High quality NMB bearings
Perfect for 550mm to 610mm bladesize helicopters
Optimized for 6-8S
100% handwound

4025-1120 KV

3-High quality NMB bearings
Perfect for 550mm to 610mm bladesize helicopters
Optimized for 6S
100% handwound



We have spent hours of testing to improve the very well established 4025 series. The result is an even better overall performing motor with extreme low cogging torque and increased efficiency. This all will provide you a cooler running motor and also more consistent power delivery over the full flight. The Xnova V3 lightning series is the highest level of motor performance money can buy nowadays.

1. Improved higher efficiency with thinner stator lamination, resulting in lower temperature.
2. Optimized and unique design, hand wound to perfection
3. Smooth running, low cogging torque.
4. New type of higher degree magnets.



XNOVA 4525 LIGHTNING SERIES

4525-530 KV

630mm to 710mm bladesize helicopters
10S to 12S

4525-560 KV

630mm to 710mm bladesize helicopters
10S to 12S

4525-600 KV

630mm to 710mm bladesize helicopters
10S to 12S



1. Improved higher efficiency with thinner stator lamination, designed with integrated cooling system resulting in lower temperature.

2. Increased power output by the use of thicker hand wound YY single strand copper wires, heat resistant up to 300 degrees C.

3. High-performance neodymium magnets, heat resistant up to 180 degrees C.



We have spent hours of testing to improve the very well established 4525 series. The result is an even better overall performing motor and increased efficiency. This all will provide you a cooler running motor and also more consistent power delivery over the full flight. The Xnova V3 lightning series is the highest level of motor performance money can buy nowadays.



XNOVA 4530 LIGHTNING SERIES

4530-480 KV

630mm to 720mm bladesize helicopters
12S to 14S

4525-525 KV

630mm to 720mm bladesize helicopters
10S to 12S



-
- 1. Improved higher efficiency with thinner stator lamination, designed with integrated cooling system resulting in lower temperature.***
 - 2. Increased power output by the use of thicker hand wound YY single strand copper wires, heat resistant up to 300 degrees C.***
 - 3. High-performance neodymium magnets, heat resistant up to 180 degrees C.***

We have spent hours of testing to improve the very well established 4530 series. The result is an even better overall performing motor and increased efficiency. This all will provide you a cooler running motor and also more consistent power delivery over the full flight. The Xnova V3 lightning series is the highest level of motor performance money can buy nowadays.



XNOVA 50XX LIGHTNING

50XX-510 KV

Xnova 50/510kv_ LIGHTNING SPEED EDITION

12S - 14S.

10mm to 8mm shaft with full length flat spot.

1 shaft option 35mm.

4 NMB bearings total! 2 on top and 2 at bottom

100% handwound with 2.0mm YY single strand wire.

Unique stator design.

cool running, efficient, ESC friendly.

1 extra spear fan cover, free pilot name engrave, free xnova hoodie

limited to 10 motors worldwide



XNOVA 50XX M.D

50XX-560KV M.D

Xnova 50/560kv_MILES DUNKEL SPECIAL EDITION
12S - 14S.

10mm to 8mm shaft with full length flat spot.

2 different shaft option 32mm and 62mm.

3 NMB bearing.

100% handwound 1.8mmYY single strand wire.

Unique stator design.

cool running, efficient, ESC friendly.

The Motor choice of the multiply speed contest
winner Miles Dunkel.

XNOVA 50XX

50XX-535KV SPEED

Xnova 50/535kv SPEED EDITION

12S - 14S.

10mm to 8mm shaft with full length flat spot.

2 different shaft option 32mm and 62mm.

3 NMB bearing.

100% handwound 1.8mmYY single strand wire.

Unique stator design.

cool running, efficient, ESC friendly.



XNOVA 50XX-450KV / 530KV TAREQ

TAREQ

SPECIAL EDITION

Xnova brushless high performance outrunner motor designed for EXTREME 3D flying AND still good flight times, specially made for your 700-800 size helicopter where highest power to weight ratio is important. We carefully optimized and tested this Motor with TAREQ ALSAADI under extreme conditions.



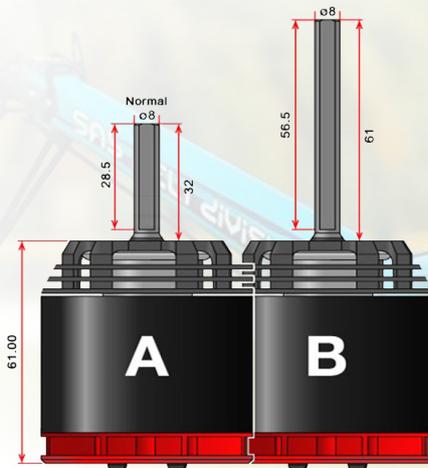
TAREQ-50XX-450KV

TAREQ-50XX-530KV

Slots & Poles	12s10p
Winding T	YY
rpm/V	450
Volt (V)	20 40 45
Io(A)	4.1 6.0 8.1
Rm (mohm)	8.6
Weight (without connector) (g)	640
Body Length (no shaft) mm	61.5
Diameter (mm)	63
Shaft Length (mm)	32 61
Shaft Dia. (mm)	8
Mounting Holes CTC Distance (mm)	30
Mounting Screw	M4
Max Eff. Curr. A	97.65 /167.05/217.0
Max Eff.	91.78/92.95/92.67
Kt (Nm/A	0.018
Km (Nm/sqrt(w))	0.2288
Max Continuous Power(Watts)	8000
Peak Continuous Power(Watts) (5 sec)	13000 (5sec)

Slots & Poles	12s10p
Winding T	YY
rpm/V	530
Volt (V)	20 40 45
Io(A)	4.5 7.5 8.1
Rm (mohm)	6.2 6.2 6.2
Weight (without connector) (g)	640
Body Length (no shaft) mm	61.5
Diameter (mm)	63
Shaft Length (mm)	32 61
Shaft Dia. (mm)	8
Mounting Holes CTC Distance (mm)	30
Mounting Screw	M4
Max Eff. Curr. A	120.48 219.97
Max Eff.	92.67 93.30
Kt (Nm/A	0.018
Km (Nm/sqrt(w))	0.2288
Max Continuous Power(Watts)	8000
Peak Continuous Power(Watts) (5 sec)	13000 (5sec)

TAREQ-50XX SHAFTS



High qual. Neodym Mag.heat res. up to 180 degree C.
Specialized wires,heat resistance up to 300 degree C.
Precise balanced.

3 very large high quality NMB bearings.
Marked leading high efficiency up to 93%.
Superb quality and machining of CNC parts.
Improved torque and power output.

For 700-800mm bladesize helicopter running on 12-14S
100% hand wound YY single strand wire

The image features a white background with large, bold, dark blue text. The text is partially framed by red geometric shapes. At the top, a red shape starts with a horizontal line, then a diagonal line sloping down to the right, and then a horizontal line. At the bottom, a red shape starts with a horizontal line, then a diagonal line sloping down to the right, and then a horizontal line. The text consists of the letters 'D', 'V', and 'A' in a stylized, blocky font. The 'D' is on the left, the 'V' is in the center, and the 'A' is on the right. The 'V' has a white outline. The 'A' has a white horizontal bar across its middle.

DVA

XNOVAMOTORS MERCANDISING



WVA



Xnova performance motors



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