

## KB20 Series Brushless Motors



**KB20-30S / KB20-30S-FIN**  
 Motor Dimensions:  $\Phi 20\text{mm} \times 30\text{mm}$   
 Shaft Size:  $\Phi 2.0\text{mm} \times 10\text{mm}$   
 Weight: 50g / 55g  
**KB20-40L / KB20-40L-FIN**  
 Motor Dimensions:  $\Phi 20\text{mm} \times 40\text{mm}$   
 Shaft Size:  $\Phi 2.3\text{mm} \times 10\text{mm}$   
 Weight: 60g / 65g

### KB20 Series Brushless Motors Datasheet

Items	Rpm/V	Input (V)	IO (A)	Ri ( $\Omega$ )	Max Amps (A)
KB20-40-12L	4800	6-18	1.6	0.0389	20
KB20-40-15L	3800	6-18	1.0	0.0600	16
KB20-40-18L	3200	6-18	0.7	0.0871	13
KB20-30-12S	7800	6-18	2.3	0.0314	18
KB20-30-22S	4200	6-18	0.9	0.1062	10
KB20-30-31S	3000	6-18	0.5	0.2108	7

• More items data please visit <http://www.kd-motor.com>



## KB28 Series Brushless Motors



**KB28-47S**  
 Motor Dimensions:  
 $\Phi 27.6\text{mm} \times 47\text{mm}$   
 Shaft Size:  
 $\Phi 3.17\text{mm} \times 12\text{mm}$   
 Weight: 135g

**KB28-57L**  
 Motor Dimensions:  
 $\Phi 27.6\text{mm} \times 57\text{mm}$   
 Shaft Size:  
 $\Phi 3.17\text{mm} \times 12\text{mm}$   
 Weight: 173g

**KB28-67XL**  
 Motor Dimensions:  
 $\Phi 27.6\text{mm} \times 67\text{mm}$   
 Shaft Size:  
 $\Phi 3.17\text{mm} \times 12\text{mm}$   
 Weight: 210g

### KB28 Series Brushless Motors Datasheet

Items	Rpm/V	Input (V)	IO (A)	Ri ( $\Omega$ )	Max Amps (A)
KB28-47-08S	4900	6-18	2.8	0.0095	50
KB28-47-11S	3600	6-18	1.9	0.0179	38
KB28-47-15S	2600	6-18	1.0	0.0330	27
KB28-57-07L	4100	6-18	2.6	0.0086	60
KB28-57-09L	3200	6-18	1.8	0.0145	45
KB28-57-12L	2400	6-18	1.2	0.0257	35
KB28-67-08XL	2900	6-18	2.3	0.0125	50
KB28-67-12XL	1900	6-18	1.5	0.0282	35

• More items data please visit <http://www.kd-motor.com>



## KB36 Series Brushless Motors



**KB36-50S**  
 Motor Dimensions:  
 Φ35.8mm x 50mm  
 Shaft Size:  
 Φ5.0mm x 16mm  
 Weight: 220g

**KB36-60L**  
 Motor Dimensions:  
 Φ35.8mm x 60mm  
 Shaft Size:  
 Φ5.0mm x 16mm  
 Weight: 260g

**KB36-74XL**  
 Motor Dimensions:  
 Φ35.8mm x 74mm  
 Shaft Size:  
 Φ5.0mm x 16mm  
 Weight: 370g

## KB36 Series Brushless Motors Datasheet

Items	Rpm/V	Input (V)	IO (A)	Ri (Ω)	Max Amps (A)
KB36-50-08S	4400	6-24	5.6	0.0061	80
KB36-50-10S	3500	6-24	3.6	0.0095	65
KB36-50-12S	2900	6-24	2.2	0.0136	55
KB36-60-11L	2200	6-24	2.6	0.0146	55
KB36-60-15L	1650	6-24	1.6	0.0268	40
KB36-60-18L	1350	6-24	1.2	0.0388	34
KB36-74-11XL	1500	6-24	2.0	0.0138	60
KB36-74-17XL	950	6-24	0.9	0.0329	39

- More items data please visit <http://www.kd-motor.com>

## KA20 Series Brushless Motors



## KA20 Series Out Runner Brushless Motors Datasheet

Items	Rpm/V	Weight	Motor Dimensions	Shaft Size	Battery	Operating Current	Prop	Max Amps
KA20-34S	1500	29g	Φ28mm × 22mm	Φ3.17mm × 12mm	2 LiPo	2-6A	8x3.8	8A
KA20-50S	1080	29g	Φ28mm × 22mm	Φ3.17mm × 12mm	3 LiPo	2-6A	9x3.8	8A
KA20-26M	1130	43g	Φ28mm × 28mm	Φ3.17mm × 12mm	3 LiPo	4-12A	9x4.7	15A
KA20-28M	1050	43g	Φ28mm × 28mm	Φ3.17mm × 12mm	3 LiPo	4-12A	9x4.7	15A
KA20-20L	1050	57g	Φ28mm × 32mm	Φ3.17mm × 12mm	3 LiPo	4-15A	10x4.7	19A
KA20-22L	924	57g	Φ28mm × 32mm	Φ3.17mm × 12mm	3 LiPo	4-14A	10x4.7	17A

## KA22 Series Brushless Motors



### KA22 Series Out Runner Brushless Motors Datasheet

Items	Rpm/V	Weight	Motor Dimensions	Shaft Size	Battery	Operating Current	Prop	Max Amps
KA22-10S	1200	49g	Φ28mm × 29mm	Φ3.0mm × 12mm	3 LiPo	4-13A	9x5	16A
KA22-15M	1050	67g	Φ28mm × 34mm	Φ3.0mm × 12mm	3 LiPo	6-16A	10x5	20A
KA22-20L	1000	85g	Φ28mm × 39mm	Φ3.0mm × 12mm	3 LiPo	8-21A	11x5	25A

## KA36 Series Brushless Motors



Shaft Size: Φ5.0mm × 20mm

Motor Diameter: Φ37.4mm

Motor Length:

30mm(S); 36mm(M);

42mm(L); 48mm(XL)

Motor Weight:

79g(S); 116g(M);

152g(L); 190g(XL)



### KA36 Series Out Runner Brushless Motors Datasheet

Items	Rpm/V	Battery	Operating Current	Prop	Max Amps
KA36-22S	1440	2 LiPo	20A	10x5	32A
		3 LiPo	16A	8x4	28A
KA36-28S	1140	3 LiPo	15A	10x5	25A
KA36-12M	1370	3 LiPo	25A	9x4.5	35A
KA36-16M	1050	3 LiPo	22A	11x5	33A
KA36-10L	1185	3 LiPo	29A	10x5	40A
		4 LiPo	15A		27A
KA36-12L	1000	3 LiPo	25A	10x7	37A
		4 LiPo	15A		27A
KA36-08XL	1100	3 LiPo	35A		45A
		4 LiPo	25A		33A
KA36-10XL	900	3 LiPo	30A	13x6.5	42A
		4 LiPo	21A		32A
		5 LiPo	17A		25A
KA36-12XL	770	3 LiPo	25A	14x7	37A
		4 LiPo	18A		28A
		5 LiPo	14A		22A

## KA400H/450H Brushless Motors For Helicopter



	KA400H	KA450H
Rpm/V	3500	3200
Weight	43g	61g
Motor Dimensions	Φ28mm × 29mm	Φ28mm × 34mm
Shaft Size(mm)	Φ3.17(Φ2.3) × 14	Φ3.17(Φ2.3) × 14
Max Amps(A)	19	24

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## KA63 Series Brushless Motors



Shaft Size: Φ8.0mm × 24mm;

Motor Diameter: Φ63mm;

Motor Length: 56mm(S) / 66mm(L);

### KA63 Series Out Runner Brushless Motors Datasheet

Items	Rpm/V	Battery	Prop	Operating Current	Max Amps
KA63-28S	249	8 LiPo	23x11	10-36A	48A
		10 LiPo	18x12		
KA63-34S	206	10 LiPo	19x12	9-32A	43A
KA63-18L	259	10 LiPo	19x12	25-60A	72A
KA63-20L	235	10 LiPo	22x12	23-57A	69A
KA63-24L	193	10 LiPo	23x11	15-38A	55A

Motor Weight: 460g(S) / 650g(L);

## Electronic Speed Controller for Brushless Motors



Items	Weight	Size (mm)	Current	Input	BEC
ESC-18A	21g	48 x 23 x 7	18A	2-3 Li-xx or 6-10 Ni-xx	Yes, 2A
ESC-40A	25g	50 x 25 x 7	40A	2-3 Li-xx or 6-10 Ni-xx	Yes, 2A
ESC-60A	33g	52 x 25 x 8	60A	2-6 Li-xx or 6-16 Ni-xx	No BEC

ChangSha KEDA Model

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