

Miniature High Speed Brush DC motor

Miniature High Speed Brush DC motor											
Model	Voltage (V)	Rated Power (W)	No Load Speed (r/min)	Rated Speed (r/min)	Rated Torque (N.cm)	Rated Current (A)	Dimension (exclude shaft) (mm)	Shaft (mm)	Net Weight (Kg)	Typical Application	
R370	DC6V	0.7	4500	3400	0.1	0.15	φ24.4x31	φ2x8	0.06	Electric Toys	
		2.5	8900	6700	0.3	0.3					
R312Y	DC12V	12	8000	6100	1	1.5	φ31x57	φ3x16	0.16		
R550	DC6V	5	5200	3950	1.5	1.2	φ38x57	φ3.17x17	0.22		Children Car
		18	9200	7000	2.5	4.4					
	DC12V	15	10000	7600	3	2					
R775	DC12V	50	18000	13700	4	5.6	φ44x66	φ5x20	0.37	Grass Cutter	
		27	4600	3500	3.5	3					
	DC24V	80	12000	9100	6.5	9.6					
R4468	DC12V	8	2400	1820	3.5	1	φ44x68	φ5x20	0.37	Spun Sugar Machine	
		18	5000	3800	5	2					
	DC24V	25			6	1.5					
R5166	DC12V	12	3000	2300	4	1.5	φ51x66	φ8x36	0.45		
		20			4	1.2					
	DC24V	30	5800	4400	6	1.8					
R6493	DC12V	100	5000	3800	22	10	φ64x93	φ8x18	0.9	Scooter	
R77120		100	2500	1900	45	10	φ80x80x130	φ10x50	1.8	Manure spreader	
Y50		50	1650	1300	18	6					
Y80	DC24V	80	3400	2600	25	9	φ69x90	φ8x22	1.1	Scooter	
Y100		100			25	5.8					
Y150	DC12V	150	1600	1250	70	19	φ102x108	φ8x26	2.6	Electric Bicycle	
Y250	DC24V	250	3350	2750	90	13.5	φ102x84	φ8x26	2		
Y350		350			120	19.2	φ102x108	φ8x26	2.6		
R80170	DC12V	90	1600	1200	70	10	φ82x160	φ11x15	2.8	Suit for Industry Gearbox	
	DC24V	180	3500	2800	80	11					
R114165		100	1800	1370	80	6.5	φ114x165	φ8x27	5.8		
	350	200			15						

Remark: 1) Widely used in Robots/Boats model Toys, Bicycle, DIY, Machine tools etc.
2) Dimensions and weight may be have a little difference to real products.

How to select motor.

Confirm the Voltage, Torque, Structure, Work rule.

Voltage: DC/AC, Voltage value.

Structure: Right Angle Output, Straight Output, Go and Back, Rotation Work, Line Work.

Work Rule: How long work in a period.

Torque: Constantly Working Torque should not exceed 75% of the motor's Rated Torque. Instantly Working Torque should not exceed motor's Rated Torque.

Motor under loading, Measure Current should not exceed motor's Rated Current. If necessary, you can install Overcurrent Protection Device.

Select power supply:

Before operate, check the power supply Voltage if is correct.

For DC motor, in consideration of starting current is much larger than rated current, power supply's Max. Current need at least 67% higher than motor's Rated Current.

And should consider Current Flow-backwards when motor stop.

Why don't motor running?

Your motor if is low speed motor, extra low speed motor should observe carefully. Connection if is correct, and other electric parts if is fine. All products from our store was test before shipping, and with best package. If also have problem please contact us.

Install and Operate notes:

Don't store or operate in high temperature or damp environment, and avoid gas environment.

The motor's shaft axial direction and radial direction bearing stress should not exceed it ability.

When install gears/sprockets/pulleys on the output shaft, don't unusual strike.

When fix motor, screws length should not be too long, or will break the parts inside motor.

About noise:

DC high speed motor will produce a little noise, if very care about noise, please kindly contact us.

All Dimension Drawing default Measurement Unit is "mm".