Brushless DC Motor

57BLF Series

General Specifications

Winding Type	Star		
Hall Effect Angle	120°C Electrical Angle		
Insulation Class	В		
Ambient Temperature Range	-20°C ~ +50°C		
Insulation Resistance	100 MΩ Min. 500 VDC		
Dielectric Strength	700 VAC 1 minute		
Customized solutions on request.			



Electrical Specifications

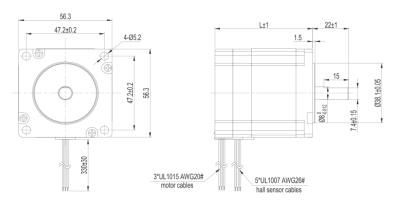
Model		57BLF01	57BLF02	57BLF03	57BLF04
Number of Poles		8	8	8	8
Number of Phases		3	3	3	3
Rated Voltage	VDC	24	24	24	24
Rated Speed	RPM	3000	3000	3000	3000
Rated Torque	Nm	0.2	0.4	0.6	0.8
Rated Current	Α	4	7.8	12	15
Output Power	W	63	125	188	250
Peak Torque	Nm	0.6	1.2	1.8	2.4
Peak Current	Α	12	23.5	36	45
Torque Constant	Nm/A	0.065	0.066	0.066	0.066
Back EMF	V/KRPM	6.23	6.3	6.3	6.3
Rotor Inertia	gcm ²	120	170	220	270
Body Length	mm	59	80	101	122
Mass	kg	0.65	1.0	1.4	2.0

Caution: Peak Torque is provided for the purpose of performance calculations only. Operating near, or at this condition can result in motor damage.

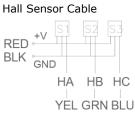
Wiring Cable

PHA PHB PHC

Mechanical Dimensions



Connection diagram

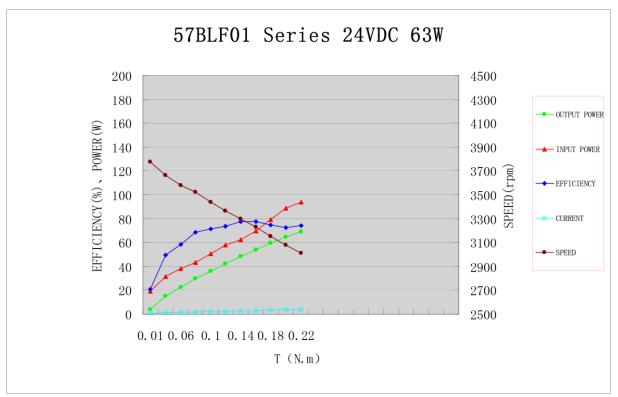


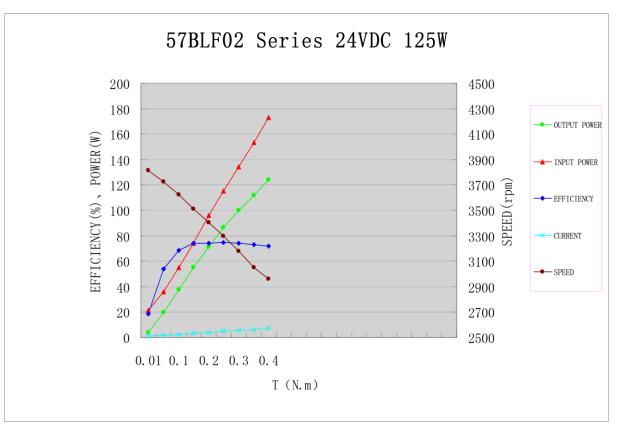
Note: Hall Sensor Power Supply voltage +5 to +20 VDC



The specifications are believed to be accurate and reliable. However, the suitability has to be determined for a specific application. Specifications are subject to change without notice.

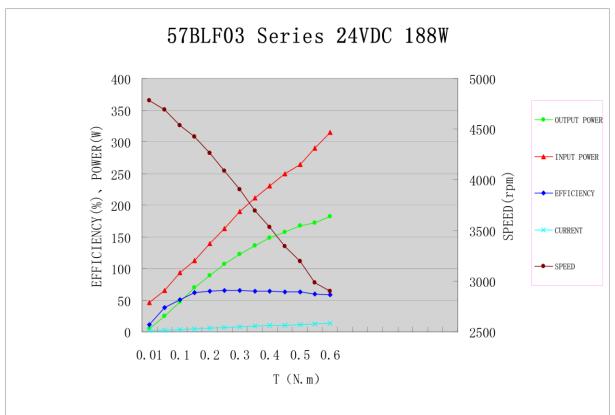
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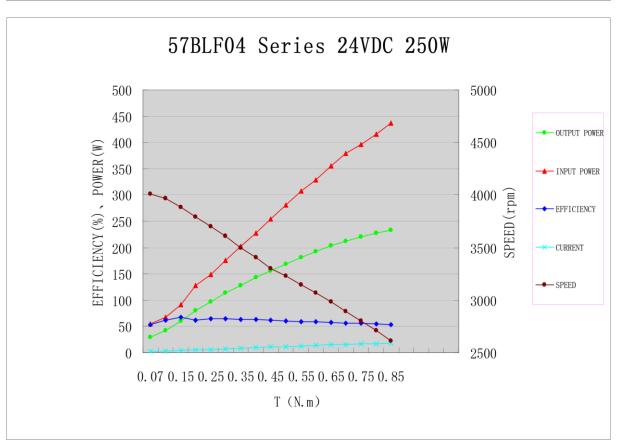






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