Brushless DC Motor



80BL Series

General Specifications

Winding Type	Star
Hall Effect Angle	120°C Electrical Angle
Insulation Class	B
Ambient Temperature Range	-20°C ~ +50°C
Insulation Resistance	100 MΩ Min. 500 VDC
Dielectric Strength	1000 VAC 1 minute

Customized solutions on request.

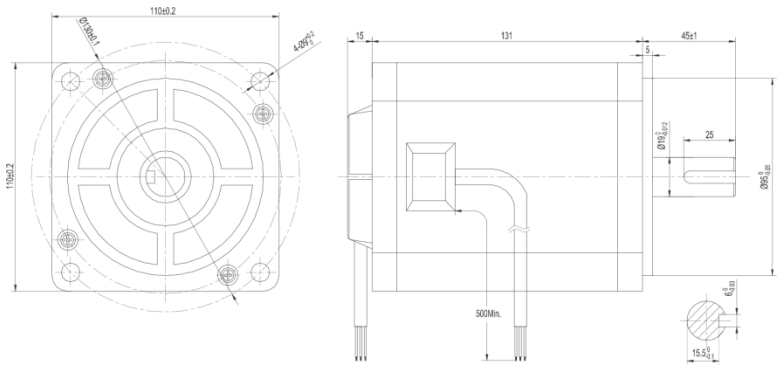
Hetai Motor

Electrical Specifications

Model		110BLF01
Number of Poles		8
Number of Phases		3
Rated Voltage	*VDC*	310
Rated Speed	*RPM*	3000
Rated Torque	*Nm*	3
Rated Current	*A*	5
Output Power	*W*	940
Peak Torque	*Nm*	9
Peak Current	*A*	15
Torque Constant	*Nm/A*	0.74
Back EMF	*V/KRPM*	77.5
Rotor Inertia	gcm^2	3
Body Length	*mm*	143
Mass	*kg*	6

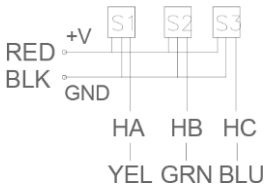
Caution: Peak Torque is provided for the purpose of performance calculations only.
Operating near, or at this condition can result in motor damage.

Mechanical Dimensions



Connection diagram

Hall Sensor Cable



Wiring Cable



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

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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.