

·GENERAL SPECIFICATIONS ·ELECTRICAL CONNECTION

Item	Specifications	Lead No.	Lead Color	Lead Gauge	Function	Description
Winding type	Delta	1	Red	UL1007 26AWG	Vcc	SUPPLY VOLTAGE FOR HALL SENSORS
Hall effect angle	120 degree electrical angle	2	Blue		HALL A	
Shaft run out	0.025mm	3	Green		HALL B	
Radial play	0.025mm@460g	4	White		HALL C	
End play	0.025mm@4000g	5	Black	GND	GROUND FOR HALL SENSORS	
Max. Radial force	75N @ 20mm from the flange	6	Yellow	UL1007 20AWG	PHASE A	
Max. Axial force	15N	7	Red		PHASE B	
Insulation class	Class B	8	Black		PHASE C	
Dielectric strength	500VDC for one minute					
Insulation resistance	100MΩMin., 500VDC					

◆ Model	KL34BLS	58	71	98	125
Number of poles				8	
Number of phase				3	
Rated voltage	VDC			48	
Rated speed	RPM			3000	
Rated torque	N.m	0.35	0.7	1.4	2.1
Rotor power	W	110	220	440	660
Peak torque	N.m	1.05	2.1	4.2	6.3
Peak current	A	11	19	33	55
Line to line resistance	ohms	1.05	0.36	0.2	0.16
Line to line inductance	mH	2.2mH	1.05mH	0.48	0.3mH
Torque constant	Nm/A	0.10	0.11	0.13	0.11
Back E.M.F	V/KRPM	10.5	11.5	13.5	11.5
Rotor inertia	g.cm ²	400	800	1600	2400
Body length (L)	mm	58	71	98	125
Mass	Kg	1.5	1.85	2.6	4

