

110 SERIES BLDC Motor



GENERAL SPECIFICATION

Winding type: Star
Hall effect angle: 120 degree electrical angle
Shaft run out: 0.025mm
Insulation Class: Class B
Dielectric strength:500VDC for one minute
Ambient temperature: -20—+40℃

WIRE DIAGRAM

Lead No.	Lead Color	Lead Gauge	Function
1	RED	14AWG UL1015	Phase U
2	YEL		Phase V
3	BLA		Phase W
4	RED	26AWG UL1569	+5V
5	BLU		Hall A
5	GRE		Hall B
7	WHI		Hall C
8	BLA		GND

ELECTRICAL SPECIFICATION

Model		110DM93-31025	110DM123-31025	110DM153-31024	110DM183-31025
Voltage	V	310			
Number of poles		8			
Rated power	W	440	900	1300	1700
No load speed	rpm	2900	2900	2800	2900
Rated torque	Nm	1.65	3.30	5	6.6
Rated Speed	rpm	2550	2550	2400	2550
Rated Current	A	2	3.5	5.1	6.7
Torque(max)	Nm	6	12	18	23
Torque Constant	Nm/A	1.11	1.11	1.11	1.11
Resistance	ohm	5	2.46	1.7	1.3
Weight	Kg	4.2	5.5	6.8	8.1
Length	mm	93	123	153	183

DIMENSIONS

