

30 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: 0—+50 °C

WIRE DIAGRAM

Lead No.	Lead Color	Lead Gauge	Function
1	ORA	26AWG UL1007	Phase U
2	GRE		Phase V
3	BRO		Phase W
4	RED	26AWG UL1007	+5V
5	BLA		GND
5	YEL		HALL A
7	WHI		HALL B
8	BLU		HALL C

ELECTRICAL SPECIFICATION

Model		30DM41-2450	30DM56-1250
Voltage	V	24	12
Number of poles		4	
Rated power	W	6	4
No load speed	rpm	7700	3200
Rated torque	mN.m	11	25
Rated Speed	rpm	5000	1500
Rated current	A	0.5	0.7
Back-EMF constant	V/Krpm	2.2	3.4
Resistant	Ohm	11.2	6
Weight	Kg	0.08	0.1
Length	mm	41	56

DIMENSIONS

