

42 Round 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°C

WIRE DIAGRAM

Lead No.	Lead Color	Lead Gauge	Function
1	RED	20AWG UL1569	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		42DMW50-2430	42DMW60-2430	42DMW70-2430
Voltage	V	24		
Number of poles		8		
Rated power	W	30	40	55
No load speed	rpm	5000	5000	5000
Rated torque	Nm	0.07	0.1	0.13
Rated Speed	rpm	4000	4000	4000
Rated Current	A	2	2.6	4
Peak Torque	Nm	0.21	0.3	0.4
Weight	Kg	0.35	0.38	0.40
Length	mm	50	60	70

DIMENSIONS

