

80 SERIES ROUND 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	16AWG 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		80DMWR58-7230	80DMWR78-7230	80DMWR98-7230
Voltage	V	72		
Number of poles		8		
Rated power	W	150	300	450
No load speed	rpm	3800	3800	3800
Rated torque	Nm	0.45	0.9	1.45
Rated Speed	rpm	3000	3000	3000
Rated Current	A	4	8	15
Peak Torque	Nm	1.35	2.7	4.35
Weight	Kg	0.9	1.2	1.5
Length	mm	58	78	98

DIMENSIONS

