

36 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	ORE	22AWG UL1007	Phase U
2	GRN		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		36DMW40-2450	36DMW45-1218	36DMW50-2450	36DMW55-2440	36DMW65-2430
Voltage	V	24	12	24	24	24
Number of poles		4				
Rated power	W	10	4	15	20	20
No load speed	rpm	7500	3000	7400	5800	4200
Rated torque	mN.m	19	21	29	48	64
Rated Speed	rpm	5000	1800	5000	4000	3000
Rated current	A	0.75	0.75	0.98	1.3	1.09
Back-EMF constant	V/Krpm	3.5	3.6	3.9	4.4	5.9
Resistant	Ohm	5.8	5.5	3.6	2.85	3.3
Weight	Kg	0.15	0.18	0.18	0.22	0.22
Length	mm	40	45	50	55	65

DIMENSIONS

