

# 42mm Brushless DC Motor



## Specifications:

### General Specifications

Number of phases	3
Number of poles	8
Operating temperature range	-30°C ~ 85°C
Commutation	Electrically commutated
Bearing type	Shielded ball bearings
Housing material	Black anodized aluminum
Magnet material	Sintered Nd-Fe-B
Direction of rotation	Reversible
Insulation Class	Class B (130°C max.)
Dielectric strength	500 VDC for one minute
Insulation resistance	100Mohms min., 500VDC
Body length	As request

Model		DM4231-24-026	DM4231-24-053	DM4231-24-078	DM4231-24-105	
Rated Voltage	V	24	24	24	24	
Rated Speed	RPM	4000	4000	4000	4000	
Rated Current	A					
Rated Torque	mNm	62.5	125	158	250	
Output Power	W	26	52.5	77.5	105	
Stall Torque	mNm	75	150	220	300	
Back EMF Constant	mV/RPM	3.66	3.72	3.76	3.94	
Torque Constant	mNm/A	35	35.5	36	37.6	

## Outline Drawing

