

28Y PMDC Motor

Precision Line - Medium Frame - 40mm



Motor Specifications

The 28Y DC is a medium frame, precision PMDC motor with various speed options. Featuring permanent neodymium magnets and copper brushes. The 28Y can be fitted to a variety of Multi's standard, compact, and planetary gearbox options. Speed is rated from 2540 to 5615 RPM at max efficiency. Bi-directional. Optional encoders and other accessories. Designed for continuous or intermittent duty.

Compatible Gearboxes / Reducers: 302, 440, 3000, 6000, 7000, 7000x, 9000 Series
GBN50, GBP30, GBP41 Series

Features:

- Machined steel housing
- Neodymium magnets
- Dual ball bearings
- Zinc end bells
- Copper graphite brushes

28Y DC MOTOR Information and Specifications



DC Motor Performance

*Estimated life - brush life dependent on duty cycle, application, and environment.

DC Model	DCM-1006	DCM-1014	DCM-1014	DCM-1029
Voltage	12V	12V	24V	12V
Frame Size	40mm	40mm	40mm	40mm
Reversible	Yes	Yes	Yes	Yes
Motor Life*	3000+ Hours	3000+ Hours	3000+ Hours	3000+ Hours
No Load Speed	5700 RPM	3000 RPM	6100 RPM	6500 RPM
No Load Current	0.25 A	0.12 A	0.12 A	0.3 A
Rated Speed	4900 RPM	2538 RPM	5348 RPM	5000 RPM
Rated Torque	3.5 OZ-IN.	2.6 OZ-IN.	4.0 OZ-IN.	6.0 OZ-IN.
Rated Current	1.6 A	0.61 A	0.91 A	1.8 A
Stall Torque	25 OZ-IN.	16.7 OZ-IN.	32.4 OZ-IN.	28 OZ-IN.
Stall Current	9.8 A	3.4 A	6.5 A	13.0 A
Peak Output Power	26.3W	9.2W	36.5 W	34.7 W

Motor Drawing

