

# 30Y & 55Y PMDC Motor

Precision Line - Large Frame - 54mm



## Motor Specifications

The 30Y & 55Y DCs are the largest frame precision PMDC motor options. Featuring permanent neodymium magnets and copper brush commutation. They can be fitted to a variety of Multi's standard, compact, and planetary gearbox options. Speed is rated from 1275 to 4700 RPM. Bi-directional. Optional encoders and other accessories available. Designed for continuous or intermittent duty.

Compatible Gearboxes / Reducers: 302, 1600, GBN50, GBP52 Series

### Features:

- Serviceable brushes
- Neodymium magnets
- Dual ball bearings
- Zinc end bells
- Copper graphite brushes

### 30Y & 55Y DC MOTOR

### Information and Specifications



#### DC Motor Performance

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

DC Model	DCM-1024	DCM-1024	DCM-1028	DCM-1028
Frame Size	30Y - 54mm	30Y - 54mm	55Y - 54mm	55Y - 54mm
Reversible	Yes	Yes	Yes	Yes
Motor Life*	3000+ Hours	3000+ Hours	3000+ Hours	3000+ Hours
Voltage	12V	24V	12V	24V
No Load Speed	1550 RPM	3200 RPM	2200 RPM	4650 RPM
No Load Current	0.15 A	0.18 A	0.35 A	0.35 A
Rated Speed	1280 RPM	2734 RPM	1863 RPM	4118 RPM
Rated Torque	6.6 OZ-IN.	10.04 OZ-IN.	12.1 OZ-IN.	18.1 OZ-IN.
Rated Current	0.72 A	1.1 A	1.9 A	2.9 A
Stall Torque	37.5 OZ-IN.	68.9 OZ-IN.	78.7 OZ-IN.	158.5 OZ-IN.
Stall Current	3.4 A	6.3 A	10.5 A	22.3 A
Peak Output Power	6.2 W	20.3 W	16.6 W	55.2 W

## Motor Drawing

