



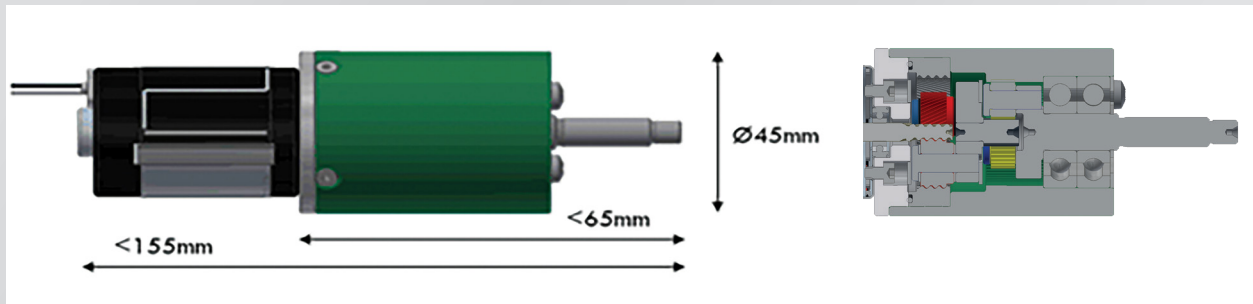
BLDC 36P35A

36.1.040D

Brushless 3 – Phase DC Motor

Rated Voltage	No Load Speed	Rated Speed	Cont. Power	Rated Torque	Current at rated Speed	Efficiency at Duty Point
[V]	[rpm]	[rpm]	[W]	[mNm]	[A]	[%]
18	345	55	> 14	> 2.4	5	87

Motor Code: TBD



General information

- **Class of protection:** TBD
- **Mounting position:** free
- **Duty cycle:** up to 100%
- **Bearing system:** Ball Bearings
- **Torque Constant:** ~10.8 mNm/A
- **Weight:** TBD
- **Rotor Inertia:** TBD
- **Oper. Temp. Range:** -20 °C to +45 °C
- **Max. Temp. Rise:** 70 K
- **Direction of Rotation:** CW / CCW
- **Class of Insulation:** H
- **Shaft Material:** Steel, not hardened
- **Number of Poles:** 6
- **S3 Operation:** >4.1Nm (50rpm)
- **Gear Ratio:** 45:1
- **Gear Efficiency:** >80%
- **Rated Lifetime:** 32000h

Options

- **Integrated Drive Electro.:** Yes
- **Planetary Gearbox:** Yes
- **Sensorless Operation:** Yes
- **Shaft Hardened (Surface):** Yes
- **Test Conditions:** 3.4 Nm for 1950 h / 6.0 Nm for 13 h
- **Encoder:** 3 hall sensors
- **Two-stage planetary gear with 1st stage helical (plastic) and 2nd stage straight toothed (sinter)**

Features

- High power-to-volume ratio
- High efficiency at duty point
- Extremely reliable

NMB Technologies Corporation
 A MinebeaMitsumi Group Company
 39830 Grand River Avenue
 Novi, MI 48375
 Tel: 248-919-2250
 email: info@nmbtc.com
 nmbtc.com