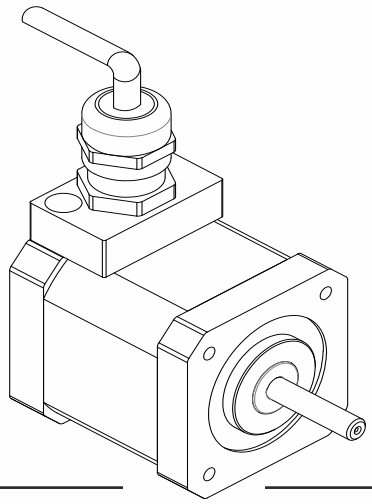
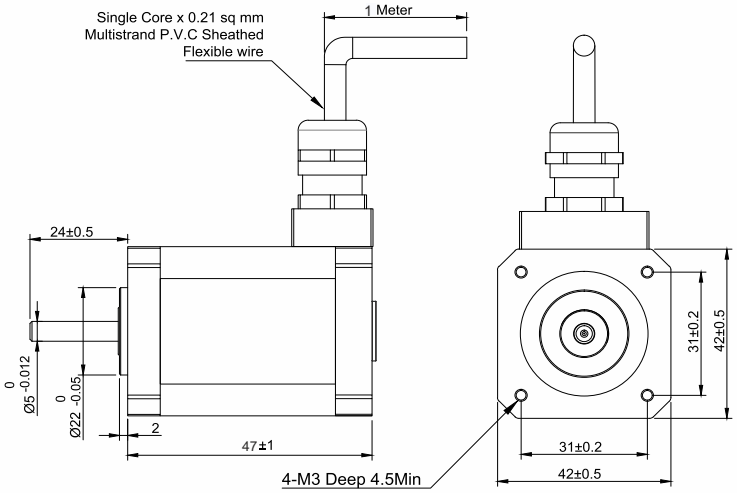
# SPECIFICATION SHEET
**Bholanath**

# STEPPER MOTOR
## BH 42 SH 47-1504 A - IP65
## HIGH TORQUE HYBRID

Bholanath™
COMMITTED TO PRECISION

**IP65** PROTECTION AGAINST CONTACT AND INFILTRATION OF WATER AND DIRT





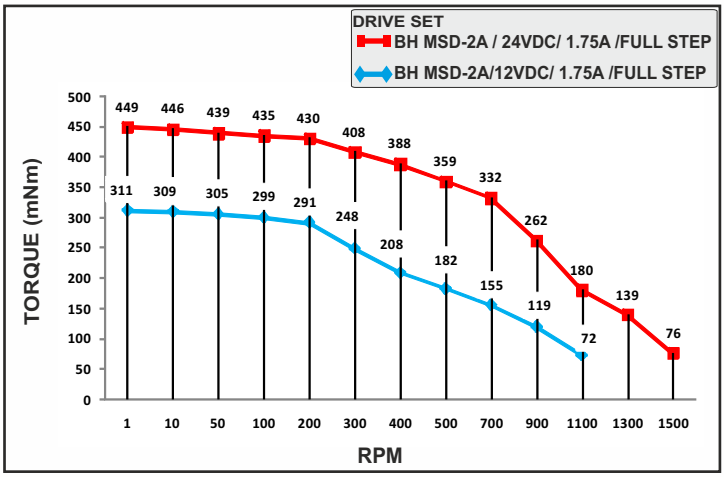

# TECHNICAL DATA

## CHARACTERISTICS

| |
|---|
| Step Angle - $1.8^0$ |
| Step Angle Accuracy - ± 3 Arc Minute |
| Insulation Class - H |
| Protection Class - DIN 40050 - IP 65 |
| Ambient Temperature - $20^0$C + $50^0$C |
| Temperature Rise - $80^0$C Max. ( Rated Current Phase 2 ON ) |
| Insulation Resistance 100 M Ohms Min.500 VDC |
| Dielectric Strength 500 VAC For One Minute |
| Shaft Radial Play 0.02 Max. Play ( 450 G Load ) |
| Shaft Axial Play 0.08 Max. Play ( 450 G Load ) |
| Max.Radial Force 28 N ( 20MM From Front Flange ) |
| Max.Axial Force 10 N |

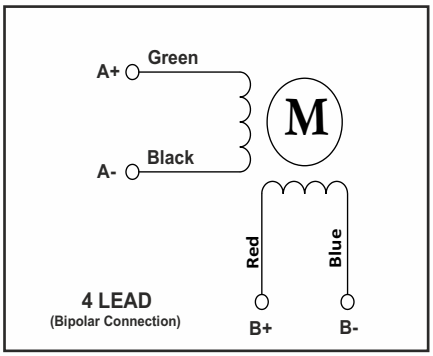
## SPECIFICATION BH42SH47 - 1504 A- IP65

| | MODEL | | Bipolar |
|---|---|---|---|
| 1 | Rated Voltage | V | 4.2 |
| 2 | Current / Phase | A | 1.5 |
| 3 | Resistance / Phase | ± 10% Ω | 2.8 |
| 4 | Inductance / Phase | ± 20% mH | 5.7 |
| 5 | Holding Torque | Nm | 0.55 |
| 6 | Rotor Inertia | G-CM$^2$ | 68 |
| 7 | Weight | KG. | 0.383 |
| 8 | No of Lead | $N^0$ | 4 |
| 9 | Operating Voltage | VDC | 12 - 24 |




**MOTOR MODEL - Bh42 SH47-1504A - IP 65**

## Wiring Diagram

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BHOLANATH COOL STEPPERS™

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