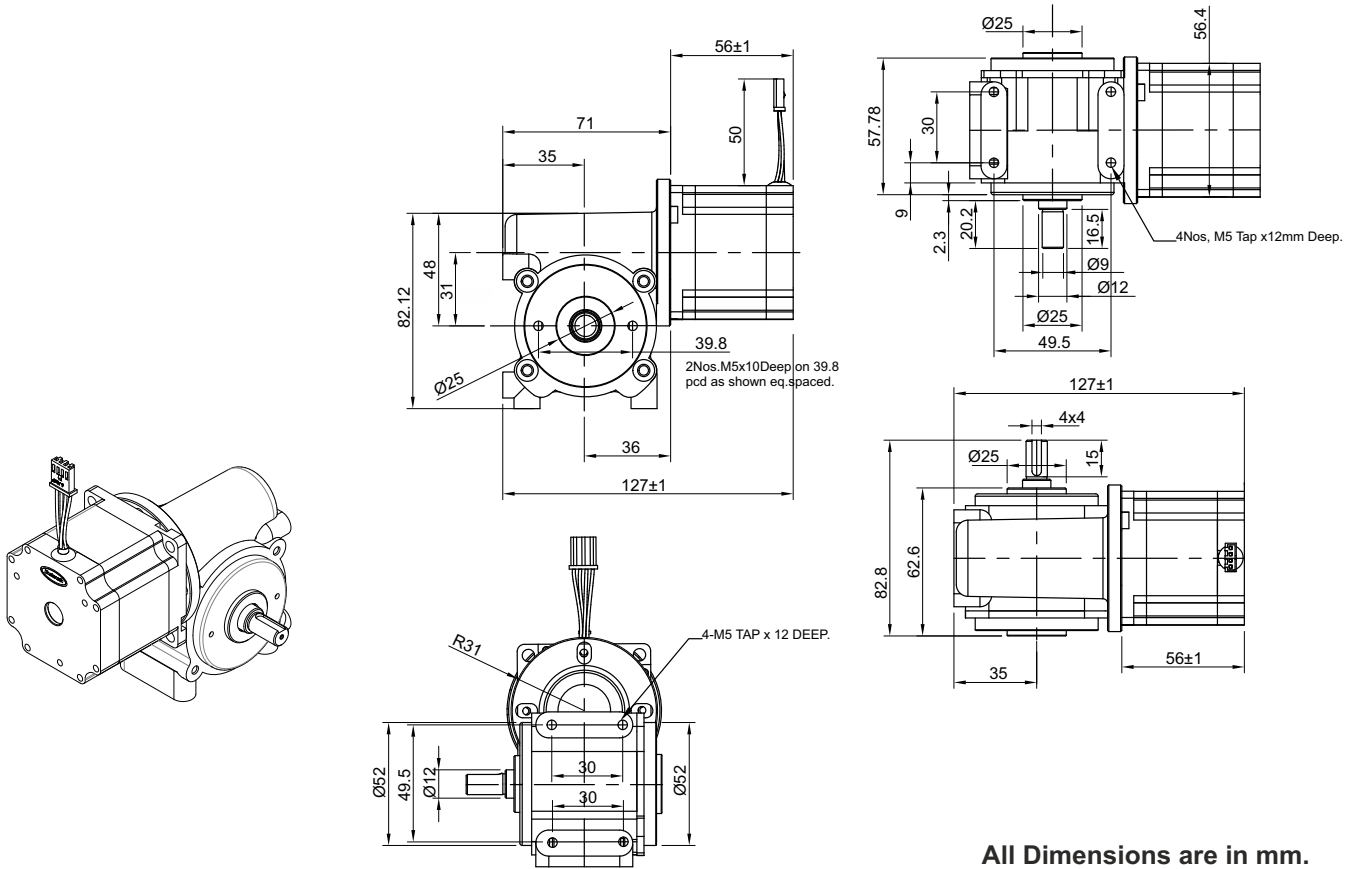


**SPECIFICATION SHEET**  
**Bholanath**

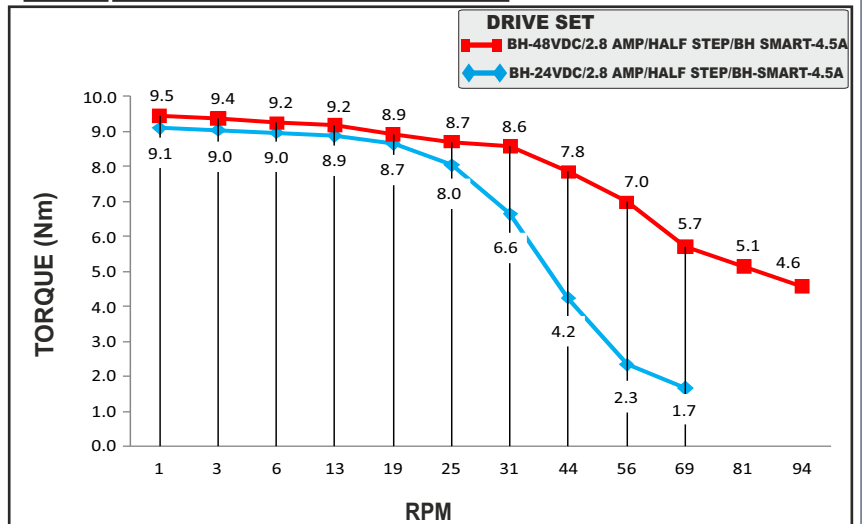
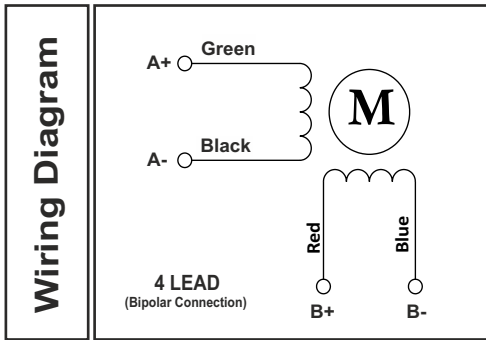
**STEPPER MOTOR**  
**BH57 SH 56 - 2804 AK-16**  
**HIGH TORQUE HYBRID**



All Dimensions are in mm.

**CHARACTERISTICS**

Motor - Bipolar
Steps per Revolution - 200
Step Angle - 1.8 degree
Motor Step Angle Accuracy - ± 3 Arc Minute
Dimensions - Refer drawing
Weight with Gear box - 1.27 Kg
Insulation Class - Class 155
Protection Class - DIN40050 - Ip30
Resistance of Insulation - 100M Ω
Resistance per phase - 1.01 / 1.02 Ω
Inductance per phase - 2.5 / 2.64 mH
Normal current per phase - 2.8 Amp
Normal Power - 7 Watt
Operating Voltage - 42-48 Vdc
Stock Temperature - 10°C To 40°C
Operation Temperature -10°C To 40°C
Holding Torque for Motor - 1.26 Nm
Holding Torque of gear Box - 20.1 Nm (201Kgcm)
Shaft Axial Play - 0.08 MMMax(450 G Load)
Shaft Radial Play - 0.02 MMMax(450 G Load)
Gear Box Ratio - 16:1
Backlash ≤ 0.8 Degree
Rotor Inertia of Motor - 300 GM-CM <sup>2</sup>
Rotor Inertia of Gearbox - 137.75 GM-CM <sup>2</sup>



**GEAR BOX STEPPER MOTOR - BH57SH56-2804AK-16**