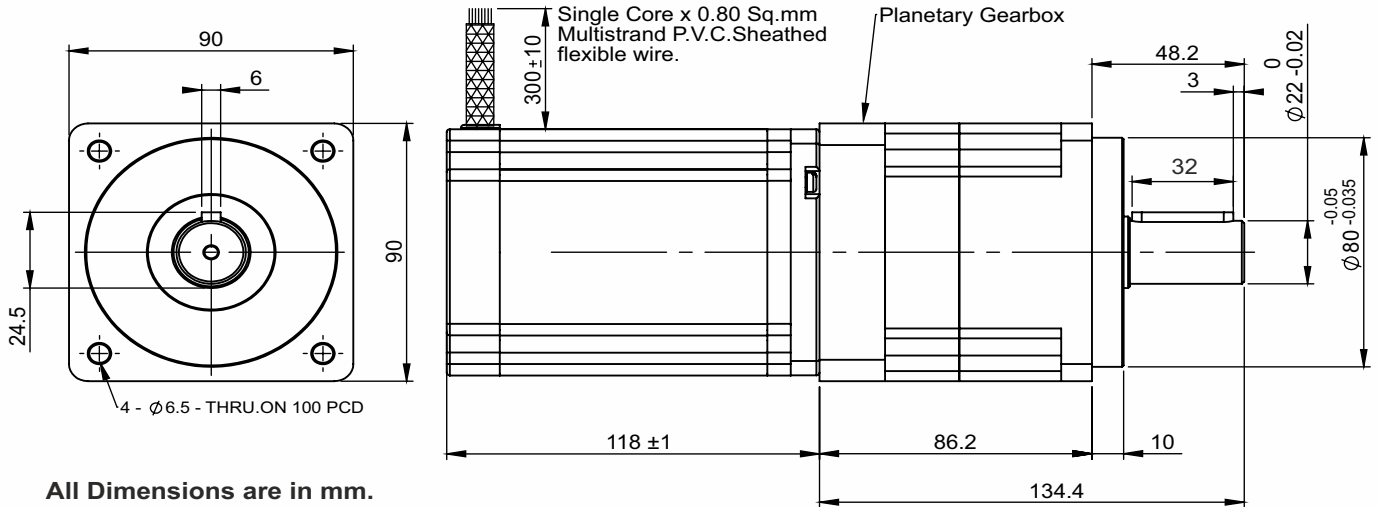
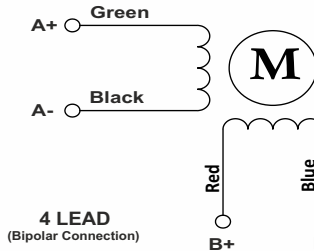


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**BH86 SH 118 - 6004 PL**  
**HIGH TORQUE HYBRID**

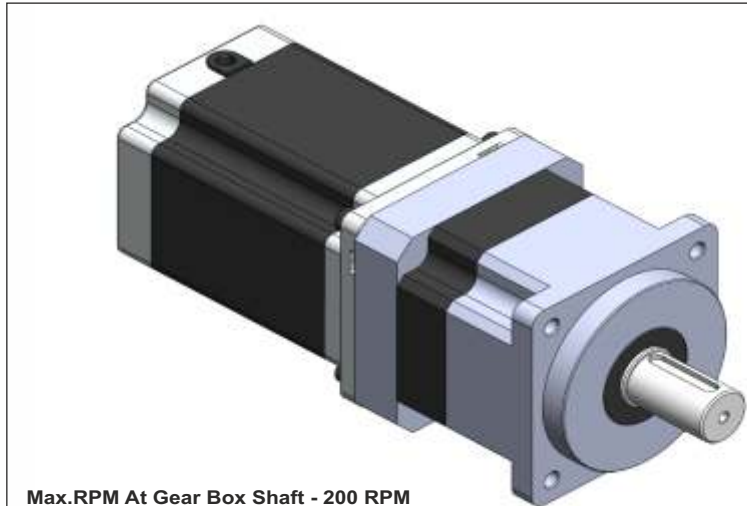


**Wiring Diagram**

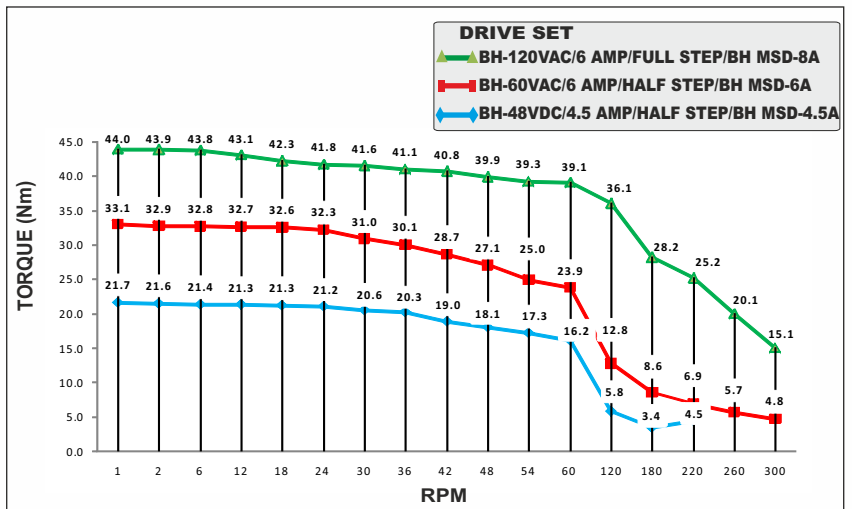


**CHARACTERISTICS**

Motor - Bipolar
Steps per Revolution - 200
Step Angle - 1.8 degree
Motor Step Angle Accuracy- $\pm 3$ Arc minute
Dimensions - Refer drawing
Weight with Gear box - 6.6 Kg
Insulation Class - Class H
Protection Class - DIN40050 - IP30
Resistance of Insulation - 100M $\Omega$ 500 VDC
Resistance per phase - 0.42 $\Omega$
Inductance per phase - 4.25 mH
Normal current per phase - 6 Amp
Rated Voltage - 2.52
Operating Voltage - 24 to 170 VDC
Operating Voltage - 34 to 120VAC
Stock Temperature - (-10°C to + 70°C)
Operation Temperature - (-10°C to + 40°C)
Holding Torque Of Motor - 8.7 Nm
Holding Torque with gear Box - 40.0 Nm (400 Kgcm)
Max Radial load(12mm from flange) - $\leq 910N$
Max Shaft Axial Load - $\leq 580N$
Gear Box Ratio - 5:1
Backlash Arcmin - Precision 10



Max.RPM At Gear Box Shaft - 200 RPM



PLANETARY GEAR BOX STEPPER MOTOR - BH86SH118-6004PL



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