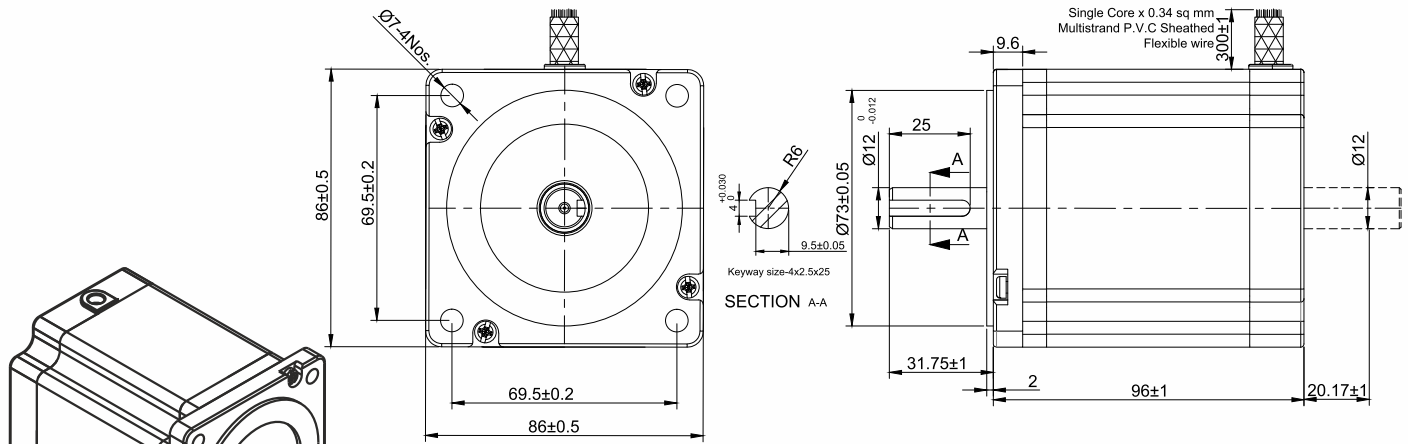
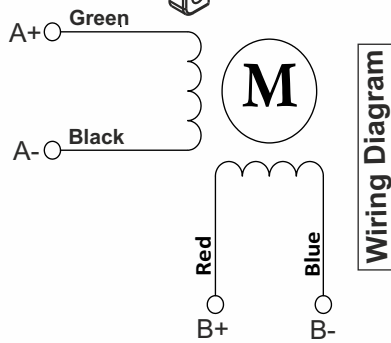


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**BH86 SH 96 - 5504AKS**  
**HIGH TORQUE HYBRID**



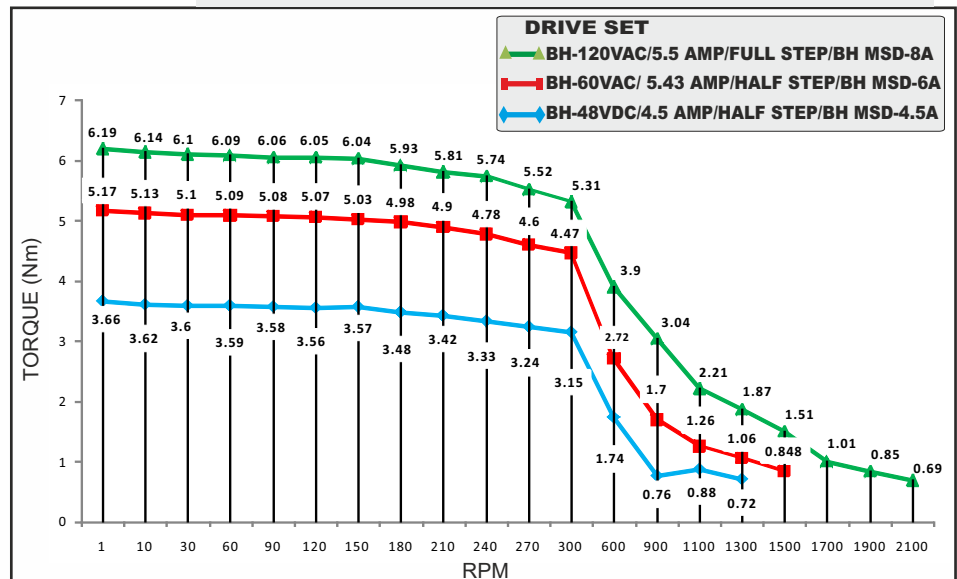
**TECHNICAL DATA**



| SPECIFICATION |                    | BH86SH96 - 5504 AKS |          |
|---------------|--------------------|---------------------|----------|
| MODEL         |                    | Bipolar             |          |
| 1             | Rated Voltage      | V                   | 2.75     |
| 2             | Current / Phase    | A                   | 5.5      |
| 3             | Resistance / Phase | ± 10% Ω             | 0.5      |
| 4             | Inductance / Phase | ± 20% mH            | 3.55     |
| 5             | Holding Torque     | Nm                  | 7.00     |
| 6             | Rotor Inertia      | G-CM <sup>2</sup>   | 2700     |
| 7             | Weight             | KG.                 | 3.1      |
| 8             | No of Lead         | N <sup>0</sup>      | 4        |
| 9             | Operating Voltage  | VDC                 | 48 - 170 |
| 10            | Operating Voltage  | VAC                 | 34 - 120 |

**CHARACTERISTICS**

|  |
|--|
| Step Angle - 1.8°  |
| Step Angle Accuracy - ± 3 Arc Minute                         |
| Insulation Class - H   |
| Ambient Temperature - - 20°C + 50°C                          |
| Temperature Rise - 80°C Max.<br>( Rated Current Phase 2 ON ) |
| Insulation Resistance<br>100 M Ohms Min.500 VDC              |
| Dielectric Strength<br>820 VAC For One Minute                |
| Shaft Radial Play<br>0.02 Max. Play ( 450 G Load )           |
| Shaft Axial Play<br>0.08 Max. Play ( 450 G Load )            |
| Max.Radial Force<br>220 N ( 20MM From Front Flange )         |
| Max.Axial Force<br>60 N                                      |



STEPPER MOTOR - BH86SH96-5504AKS



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