

永磁感应子式步进电动机 HB STEPPING MOTORS 86BYG



| | |
|------------------------------|----------------------|
| 绝缘强度 (Dielectric Strength) | 500V AC 50Hz 1Minute |
| 环境温度 (Ambient Temperature) | -25~+40°C |
| 温升 (Temperature Rise) | 85K |
| 绝缘电阻 (Insulation Resistance) | 500V DC 100MΩ MIN |
| 绝缘等级 (Insulation Class) | B |

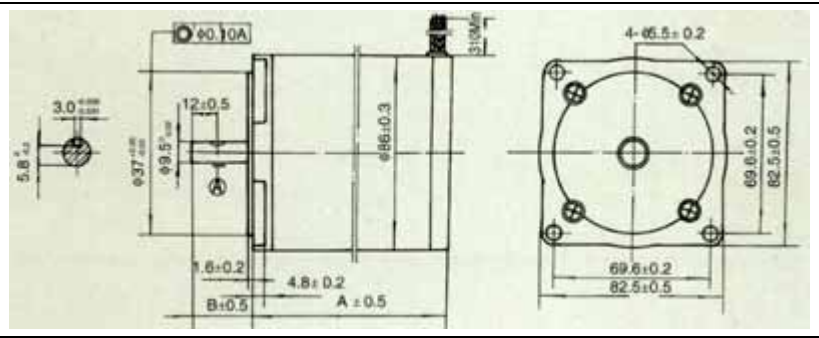
技术数据: SPECIFICATIONS

| 型号 | 相数 | 步距角 | 电压 | 电流 | 电阻 | 电感 | 最大静转矩 | 定位转矩 | 转子转动惯量 | 重量 | 励磁方式 |
|--------------|--------------|-------------------|------------|------------------|---------------|----------------|----------------------|---------------------|-------------------------------------|-------------|-----------------|
| Model | No. of Phase | Step Angle (Deg.) | Voltage(V) | Current(A/phase) | Resistance(Ω) | Inductance(mH) | Holding Torque (N.m) | Detent torque (N.m) | Rotor Inertia (Kg.cm ²) | Weight (Kg) | Excitation Mode |
| 86BYG450A-01 | 4 | 1.8 | 2.9 | 1.7 | 1.7 | 6 | 1.18 | 0.08 | 0.64 | 1.6 | 2 |
| 86BYG450A-02 | 4 | 1.8 | 5 | 4 | 4 | 16 | 1.18 | 0.08 | 0.64 | 1.6 | 2 |
| 86BYG450A-03 | 4 | 1.8 | 1.6 | 0.45 | 0.45 | 2 | 1.18 | 0.08 | 0.64 | 1.6 | 2 |
| 86BYG450A-04 | 4 | 1.8 | 1.4 | 0.31 | 0.31 | 1.3 | 2.16 | 0.08 | 0.64 | 1.6 | 2 |
| 86BYG450B-01 | 4 | 1.8 | 3 | 0.75 | 0.75 | 3.5 | 2.16 | 0.15 | 1.3 | 2.6 | 2 |
| 86BYG450B-02 | 4 | 1.8 | 2.5 | 0.55 | 0.55 | 2.5 | 2.16 | 0.15 | 1.3 | 2.6 | 2 |
| 86BYG450B-03 | 4 | 1.8 | 4.3 | 1.7 | 1.7 | 9 | 2.16 | 0.15 | 1.3 | 2.6 | 2 |
| 86BYG450B-04 | 4 | 1.8 | 5.4 | 2.7 | 2.7 | 15 | 2.16 | 0.15 | 1.3 | 2.6 | 2 |
| 86BYG450C-01 | 4 | 1.8 | 2 | 0.29 | 0.29 | 2 | 2.94 | 0.25 | 1.9 | 3.8 | 2 |
| 86BYG450C-02 | 4 | 1.8 | 4 | 1 | 1 | 6 | 2.94 | 0.25 | 1.9 | 3.8 | 2 |

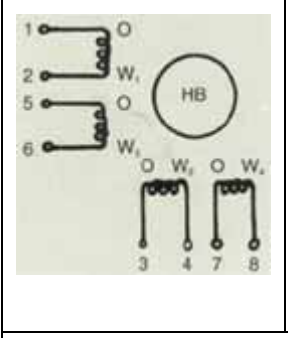
以上表中所列仅为代表性产品

外型图 Figure

| | | |
|-----------|-----|------|
| 型号 | A | B |
| 86BYG450A | 62 | 30.2 |
| 86BYG450B | 94 | 31.2 |
| 86BYG450C | 134 | 31.6 |



接线图:WIRING DIAGRAM



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 红 | 黄 | 白 | 紫 | 蓝 | 黑 | 棕 | 绿 |
| A | A | B | B | C | C | D | D |

1. 二相串联运行 (相电流不变)
 A-1-2-5-6-A
 B-3-4-7-8-B
 Under 2-phase series connection, supplied with the current as listed above.

2. 二相并联运行 (相电流*2)
 Under 2-Phase series connection, supplied with the current times as much as listed one.

矩频特性:
 Pulse-torque Characteristics
 测试条件:采用Rarker CD35M
 型驱动器 85VDC 电压:0.9°/步进行
 Testing Conditions:DC85V 0.9°/ step. using the PARKER driver type CD35M.

