

外转子直流无刷电机 Outer Roter BLDC Motor

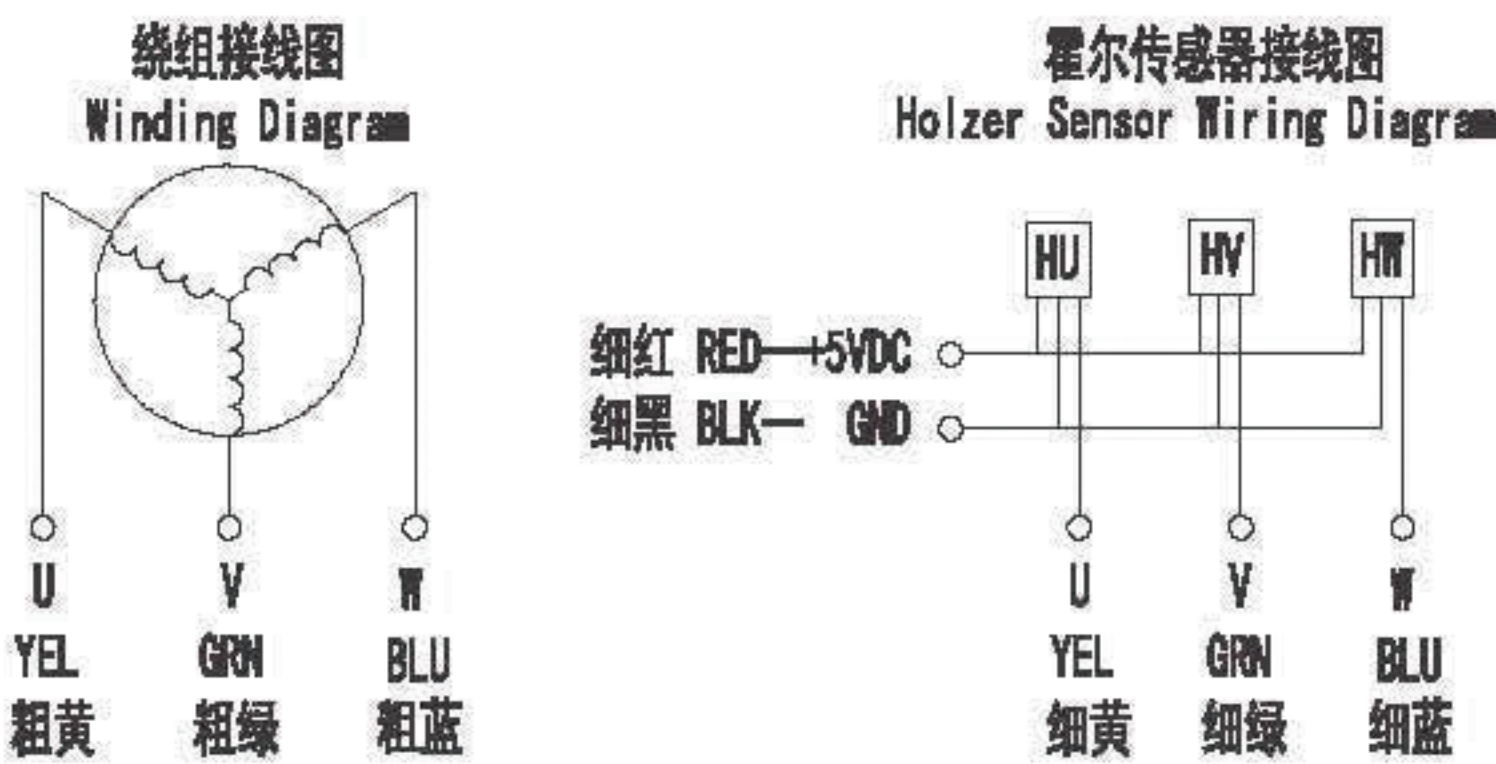
SIZE42 (○42mm) 外转子无刷电机 Outer Roter BLDC Motor -42EL Series

■ 技术数据 Electrical Specifications

| 电机型号 Motor Model              | 42ELTH243550 |      | 42ELTH245050 | 42ELTH247050 | 产品 Product                                                                           |
|-------------------------------|--------------|------|--------------|--------------|--------------------------------------------------------------------------------------|
| 相数 Number of Phase            | 3            |      |              |              |  |
| 极数 Number of Poles            | 16           |      |              |              |                                                                                      |
| 额定电压 Rated Voltage(VDC)       | 24           |      |              |              |                                                                                      |
| 额定转速 Rated Speed(Rpm)         | 5000         |      |              |              |                                                                                      |
| 额定转矩 Rated Torque(N.m)        | 0.06         | 0.1  | 0.13         |              |                                                                                      |
| 额定功率 Rated Power(W)           | 35           | 50   | 70           |              |                                                                                      |
| 额定电流 Rated Current(A)         | 2.2          | 3.2  | 4.4          |              |                                                                                      |
| 峰值电流 Peak Current(A)          | 6.6          | 9.6  | 13.2         |              |                                                                                      |
| 峰值转矩 Peak Torque(N.m)         | 0.18         | 0.3  | 0.39         |              |                                                                                      |
| 转子惯量 Rotor Inertia(kg.cm²)    | 0.13         | 0.23 | 0.33         |              |                                                                                      |
| 转矩常数 Torque Constant(N.m/A)   | 0.03         | 0.03 | 0.03         |              |                                                                                      |
| 反电势常数 Torque Constant(V/krpm) | 2.8          | 2.8  | 2.8          |              |                                                                                      |
| 线间电阻 Line-Line Resistance(Ω)  | 2.0          | 1.5  | 1.0          |              |                                                                                      |
| 线间电感 Line-Line Inductance(mH) | 1.5          | 1.0  | 0.5          |              |                                                                                      |
| 机身长度 Length(mm)               | 21.3         | 26.3 | 31.3         |              |                                                                                      |
| 电机重量 Weight(kg)               | 0.12         | 0.18 | 0.24         |              |                                                                                      |

\*以上仅为代表性产品, 派生产品可根据客户要求制作 \*Note: We can manufacture products according to customer' s requirements.

■ 接线图 Wiring Diagram



■ 外形图 Dimensions(单位Unit: mm)

