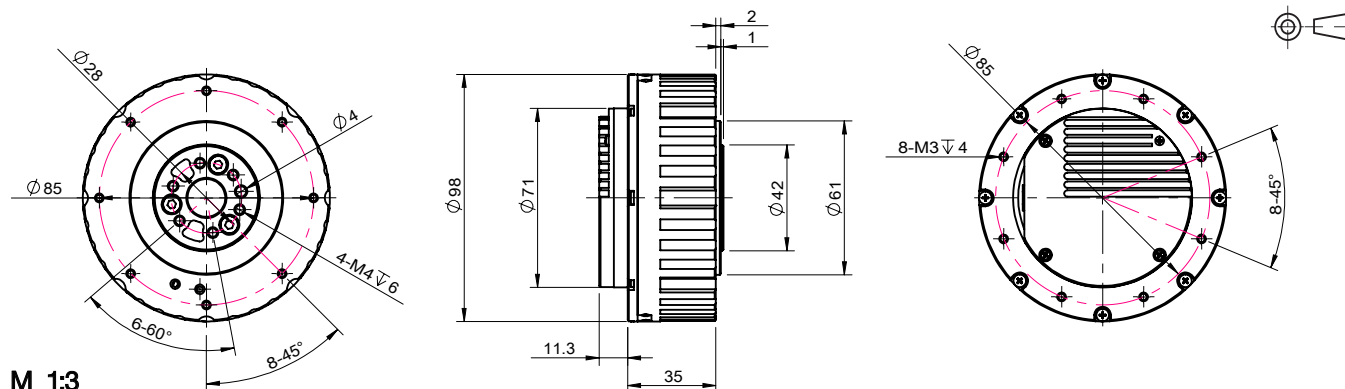




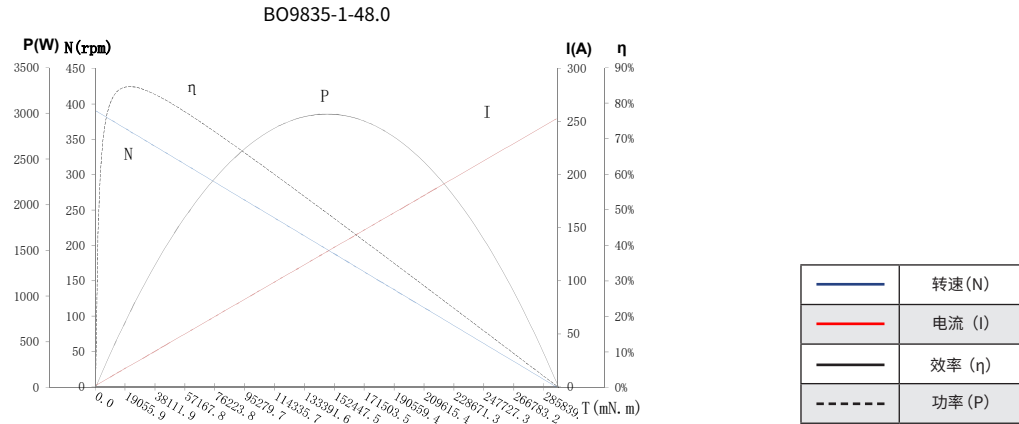
**B09835**

Ø98mm\*35mm, 内置减速箱、驱动器、编码器 Built-in gearbox, driver, encoder



| 电机参数 / Motor Data            |           |                           |        | -1~48.0        |
|------------------------------|-----------|---------------------------|--------|----------------|
| 1                            | 电压        | Voltage                   | V      | 48.0           |
| 2                            | 线电阻       | Line resistance           | Ω      | 0.19           |
| 3                            | 线电感       | Line inductance           | mH     | 0.12           |
| 4                            | 最高转速      | No-load speed             | rpm    | 382            |
| 5                            | 空载电流      | No-load current           | A      | 0.80           |
| 6                            | 峰值转矩      | Peak torque               | N.m    | 37.0           |
| 7                            | 峰值电流      | Peak current              | A      | 29.6           |
| 8                            | 额定转矩      | Nominal torque            | N.m    | 18.0           |
| 9                            | 额定转速      | Nominal speed             | rpm    | 307            |
| 10                           | 额定电流      | Nominal current           | A      | 14.8           |
| 11                           | 最大输出功率    | Max.output power          | W      | 3248           |
| 12                           | 最大效率      | Max.efficiency            | %      | 83             |
| 13                           | 反电势常数     | Back-EMF constant         | mV/rpm | 125.3          |
| 14                           | 转矩常数      | Torque constant           | Nm/A   | 1.29           |
| 15                           | KV 值      | KV Value                  | rpm/V  | 8.0            |
| 16                           | 转速 / 转矩斜率 | Speed/torque gradient     | rpm/Nm | 4              |
| 驱动器参数 / Driver Data          |           |                           |        |                |
| 17                           | 使用电压      | Voltage                   | V      | 24-48          |
| 18                           | 通讯接口      | Communication             |        | CAN            |
| 19                           | 控制模式      | Control mode              |        | MIT            |
|                              |           |                           |        | 速度<br>位置       |
| 20                           | 保护机制      | Protection                |        | 芯片过温保护         |
|                              |           |                           |        | 绕组过温保护         |
|                              |           |                           |        | 过流保护           |
|                              |           |                           |        | 过压保护           |
|                              |           |                           |        | 欠压保护<br>通讯丢失保护 |
| 编码器参数 / Encoder Data         |           |                           |        |                |
| 21                           | 编码器器数量    | Number of encoders        |        | 2              |
| 22                           | 编码器安装位置   | Encoder mounting location |        | 输入 / 输入端       |
| 23                           | 编码器精度     | Resolution of the encoder | Bit    | 14             |
| 24                           | 编码器类型     | Type                      |        | 单圈绝对值<br>磁编    |
| 齿轮箱参数 / Other Specifications |           |                           |        |                |
| 25                           | 减速比       | Ratio                     |        | 9.4:1          |
| 26                           | 类型        | Type                      |        | 行星减速箱          |
| 27                           | 材料        | Material                  |        | 金属             |
| 28                           | 背隙        | Backlash                  | arcmin | 15             |

特性曲线 / Characteristics Curve



热参数 / Thermal Data

|    |        |                             |    |         |
|----|--------|-----------------------------|----|---------|
| 29 | 工作温度范围 | Operating temperature range | °C | -40~+80 |
| 30 | 温度传感器  | Temperature sensor          | °C | 10K NTC |
| 31 | 绝缘等级   | Insulation class            |    | H       |
| 32 | 绕组耐温等级 | Thermal class of winding    | °C | 180     |

机械参数 / Mechanical Data

|    |      |                   |                  |      |
|----|------|-------------------|------------------|------|
| 33 | 重量   | Weight            | g                | 737  |
| 34 | 极对数  | No. of pole pairs |                  | 21   |
| 35 | 槽数   | No. of slots      |                  | 36   |
| 36 | 转子惯量 | Rotor inertia     | gcm <sup>2</sup> | 1440 |

其它参数 / Other Specifications

|    |      |              |   |
|----|------|--------------|---|
| 37 | 绕组联结 | Circuit type | Y |
|----|------|--------------|---|

可选配置 / Options

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range  
电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

端子定义 / Connection

| A 连接器型号 / Connector model |       | B 连接器型号 / Connector model |     |
|---------------------------|-------|---------------------------|-----|
| XT30(2+2)-F               |       | GH1.25 3pin               |     |
| Pin1-3                    | Vcc   | Pin1                      | GND |
| Pin4-6                    | GND   | Pin2                      | RX  |
| Pin7                      | CAN_L | Pin3                      | TX  |
| Pin8                      | CAN_H |                           |     |

注：可根据客户要求定制。Please contact us for customized products.