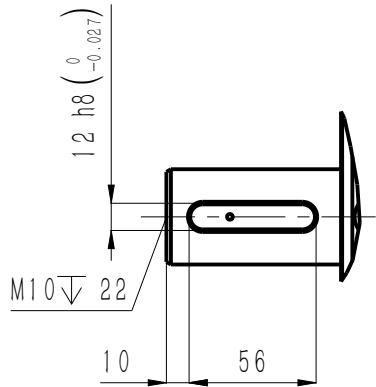
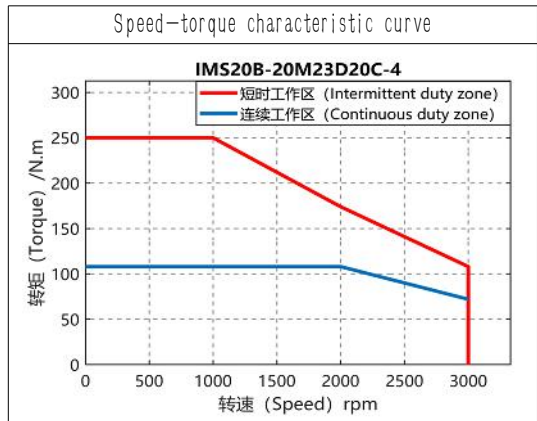
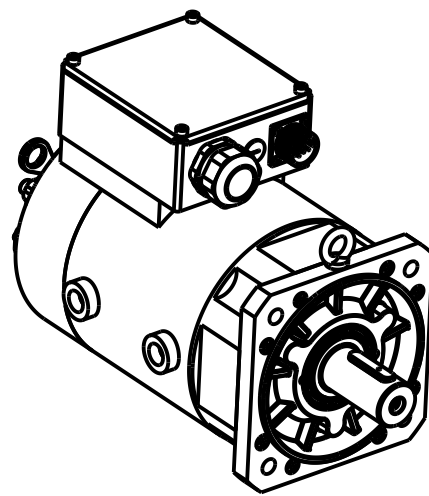
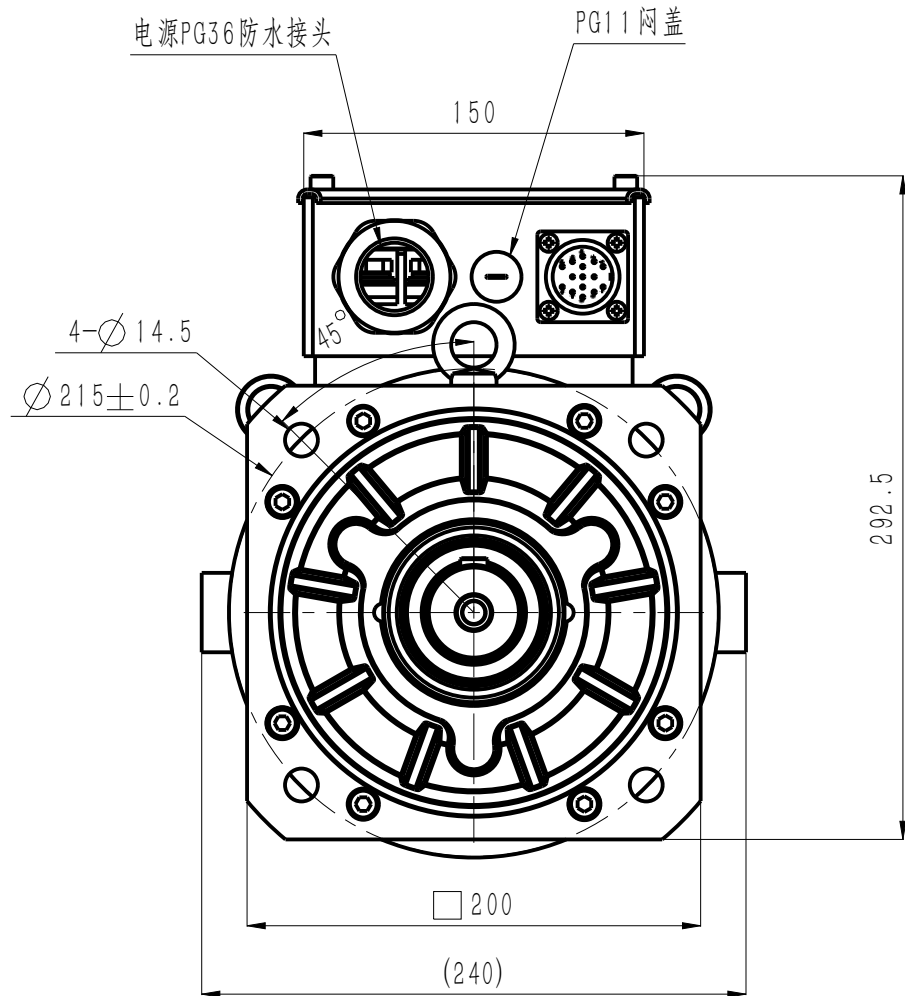
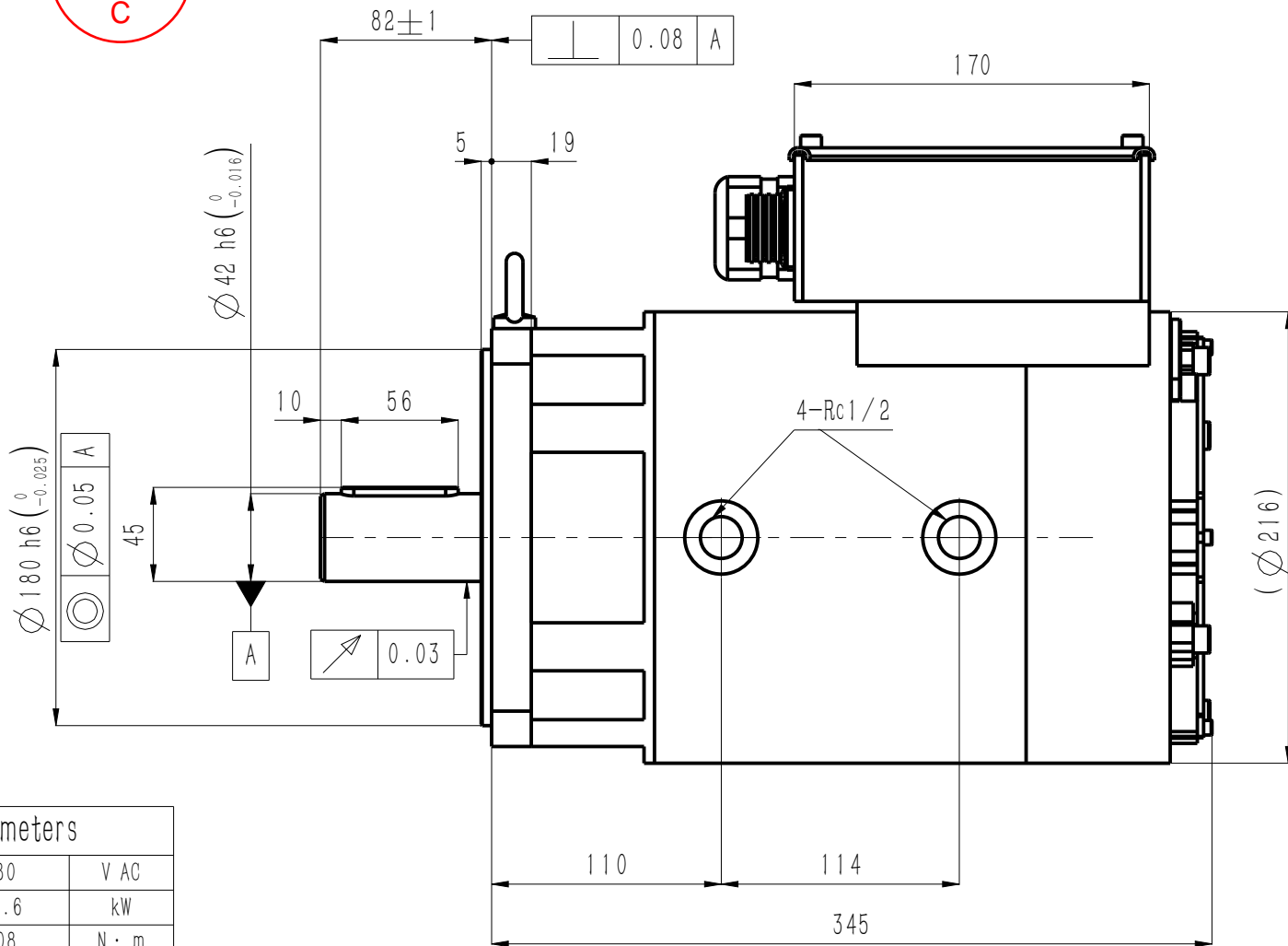


| | |
|------------|--------------------------------|
| 版本 Edition | 变更内容 Description of the change |
| C | 图纸模板变更 |

正样
2026.02.24
C

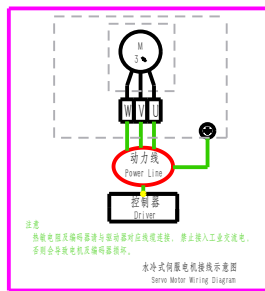
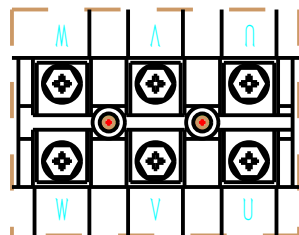


标配：A型圆头普通平键
A12X8X56(GB/T1096)



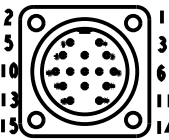
| 电机技术参数 Motor parameters | | |
|---|---|--------------------|
| 额定电压 Rated voltage | 380 | V AC |
| 额定功率 Rated power | 22.6 | kW |
| 额定转矩 Rated torque | 108 | N·m |
| 额定电流 Rated current | 41.7 | Arms |
| 峰值扭矩(1000rpm) Peak torque | 250 | N·m |
| 峰值电流(1000rpm) Peak current | 86 | Arms |
| 峰值扭矩(2000rpm) Peak torque | 174 | N·m |
| 峰值电流(2000rpm) Peak current | 72.1 | Arms |
| 峰值扭矩(3000rpm) Peak torque | 108 | N·m |
| 峰值电流(3000rpm) Peak current | 71.5 | Arms |
| 额定转速 Rated speed | 2000 | rpm |
| 峰值转速 Maximum speed | 3000 | rpm |
| 扭矩系数 Torque constant | 2.59 | N·m/Arms |
| 反电势常数 Back EMF constant | 209.8 | V/krpm |
| 线电阻 line resistance | 0.45 | Ω |
| 线电感 line inductance | 9.61 | mH |
| 转动惯量 Moment of inertia | 115±10% | kg·cm ² |
| 轴向允许载荷 Axial allowable load | / | N |
| 径向允许载荷 Radial allowable load | / | N |
| 极对数 Number of pole pairs | 4 | 对 |
| IP防护等级 Ingress Protection Rating | IP55 | |
| 绝缘等级 Insulation class | F | |
| 绝缘电阻 Insulation resistance | >100MΩ DC500V | |
| 电机重量 Motor weight | 53 | kg |
| 工作温度 Operating temperature | -20℃~40℃ | |
| 工作湿度 Operating humidity | 20%~80% (不结露 Non-dewfall) | |
| 推荐安装海拔 Recommend installing altitude | <1000m(1km以上降额使用) (Derate for use above 1km) | |

引线定义
Wiring definition



信号航插规格
Encoder connector

YD28J15Z




编码器规格
Connector specifications

23-bit
optical encoder

12-bit
Resolver encoder

引线定义
Wiring definition

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------------|-------------------|
| PE (屏蔽) | SD+ (蓝) | SD- (黄) | +5V (红) | 0V (黑) | BAT+ (棕) | BAT- (白) | KTY84-130+ (黄) | KTY84-130- (绿) |
| PE (屏蔽) | Ref+ (红白) | Ref- (黄白) | Cos- (黑) | Cos+ (红) | Sin+ (黄) | Sin- (蓝) | KTY84-130+ (黄) | KTY84-130- (绿) |

| | | | | | |
|-----|-------------|------------------------------|---------|--|---|
| SN | 料号 P/N | 整机型号 Model and Specification | | 编码器 Encoder | |
| | 11101-01780 | IMS20B-20M23D20C-4-R7Y-A | | 12位旋变 | |
| | 11101-01783 | IMS20B-20M23D20C-4-P9Y-A | | 23位多圈光编 | |
| | | | | 深圳市英威腾电气股份有限公司 Shenzhen INVT Electric Co., Ltd. | |
| | | | | | |
| C | 替换 | / | 26-2-10 | | |
| 版本 | 更改方式 | 更改人 | 日期 | 名称 | 电机外形图 Motor outline dimension drawing |
| 设计 | / | | | 料号 | / |
| 校核 | / | | | | |
| 工艺 | / | | | 图号 | / |
| 审核 | / | | | | |
| 标准化 | / | | | 重量 | / |
| 批准 | / | | | | |
| | | | | 投影标识 |  |
| | | | | 比例 | 1:1 |
| | | | | 第 1 页 共 1 页 | |