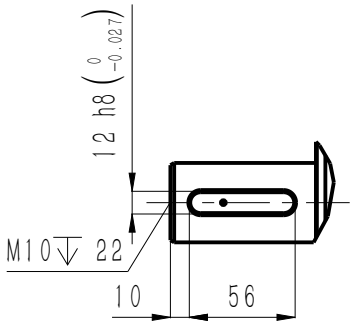


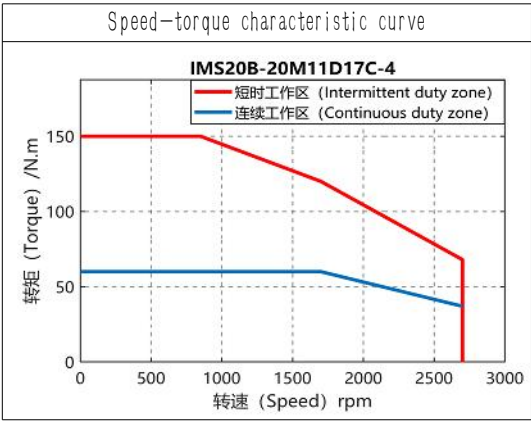
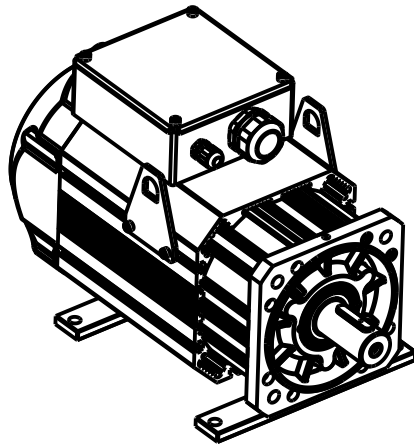
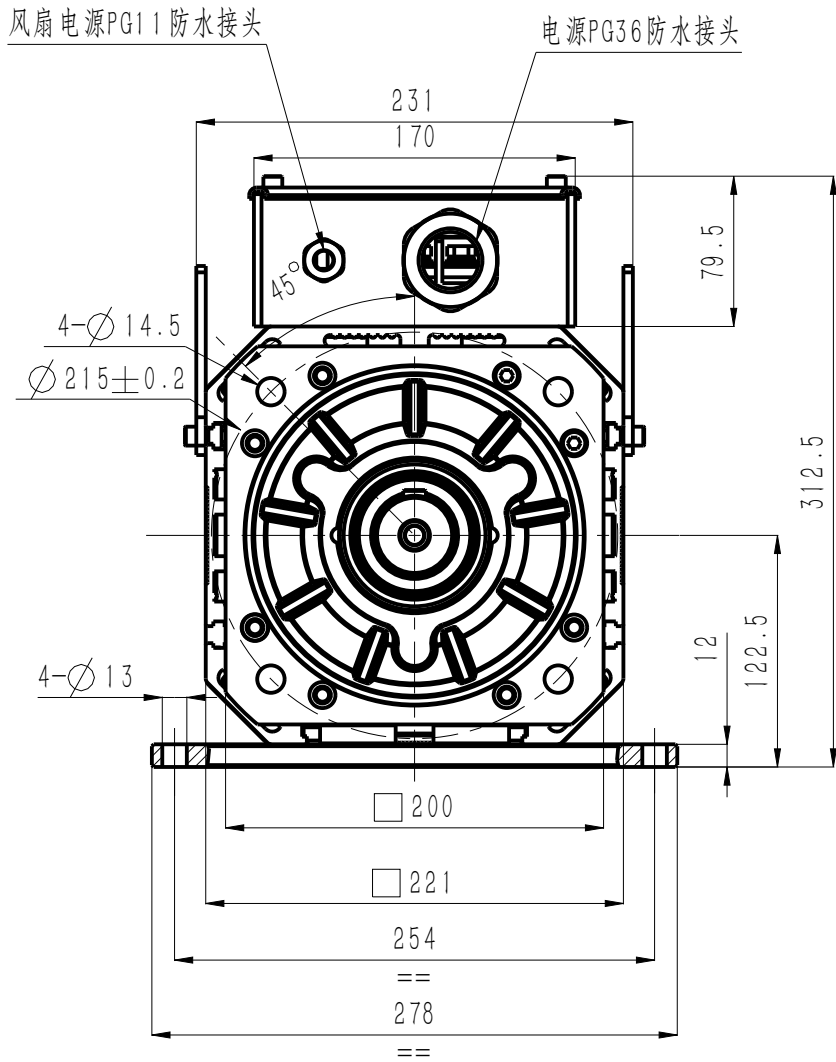
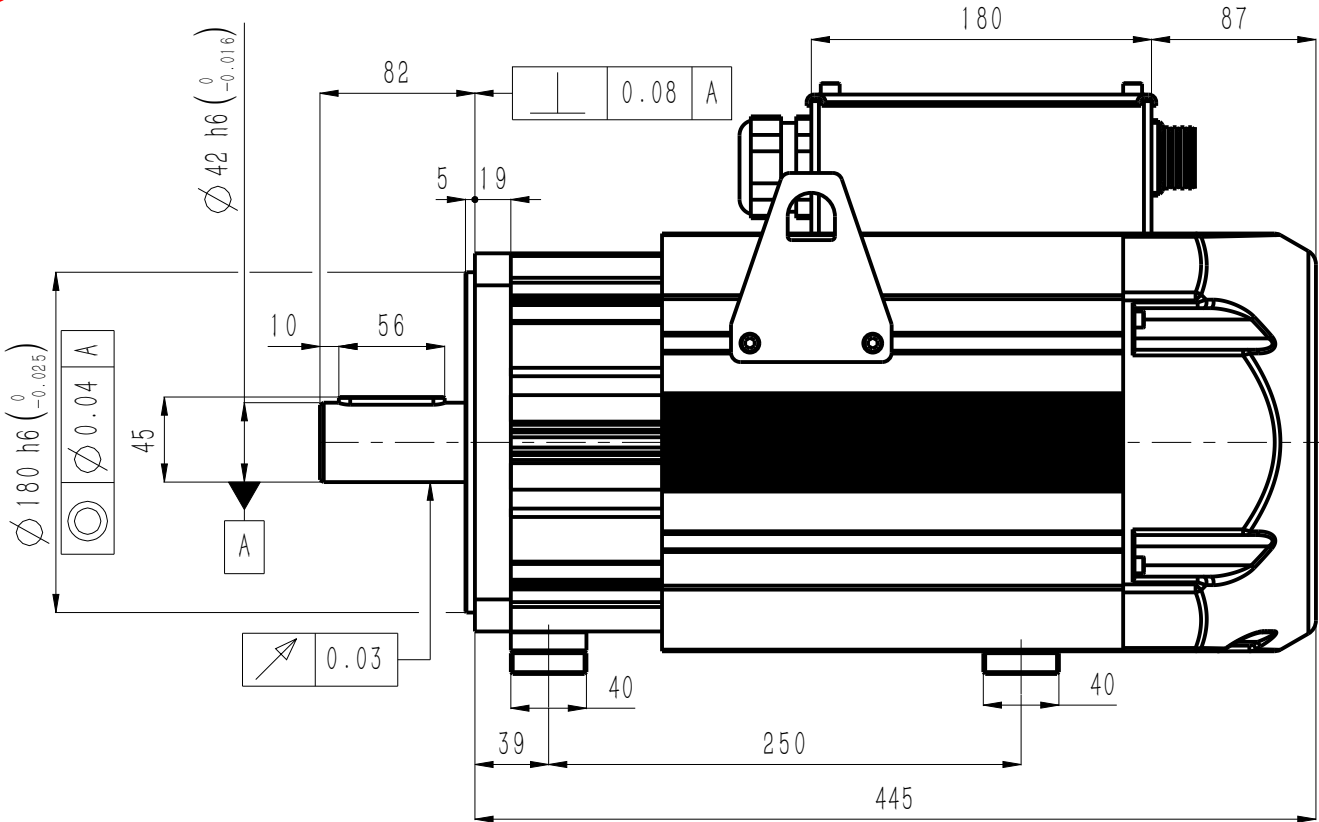
| | |
|------------|--------------------------------|
| 版本 Edition | 变更内容 Description of the change |
| | |



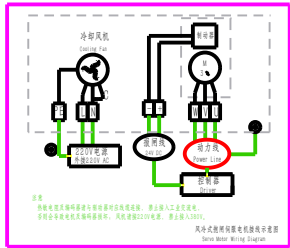
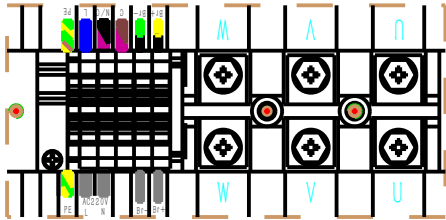
标配：A型圆头普通平键
A12X8X56(GB/T1096)

| 抱闸参数 Brake parameters | | |
|---------------------------|------------------------------------|------|
| 额定电压 Rated voltage | 24 | V DC |
| 额定功率 Rated power | 55 | W |
| 电阻(20℃) Resistance | 10.5±7% | Ω |
| 额定扭矩 Rated torque | ≥150 | N·m |
| 释放电压 Release voltage | ≥1.2 | V |
| 吸引电压 Pickup voltage | ≤18 | V |
| 吸合时间 Pickup time | ≤350 | ms |
| 释放时间 Release time | ≤80 | ms |
| 回转间隙 Rotational Clearance | ≤1° (20%额定扭矩) (20%Rated torque) | |

| 电机技术参数 Motor parameters | | |
|------------------------------|--------|--------------------|
| 额定电压 Rated voltage | 380 | V AC |
| 额定功率 Rated power | 10.7 | kW |
| 额定扭矩 Rated torque | 60 | N·m |
| 额定电流 Rated current | 19.3 | Arms |
| 峰值扭矩(850rpm) Peak torque | 150 | N·m |
| 峰值电流(850rpm) Peak current | 52 | Arms |
| 峰值扭矩(1700rpm) Peak torque | 120 | N·m |
| 峰值电流(1700rpm) Peak current | 52 | Arms |
| 峰值扭矩(2700rpm) Peak torque | 68 | N·m |
| 峰值电流(2700rpm) Peak current | 39.1 | Arms |
| 额定转速 Rated speed | 1700 | rpm |
| 峰值转速 Maximum speed | 2700 | rpm |
| 扭矩系数 Torque constant | 3.08 | N·m/Arms |
| 反电势常数 Back EMF constant | 205 | V/krpm |
| 线电阻 line resistance | 0.93 | Ω |
| 线电感 line inductance | 16.2 | mH |
| 转动惯量 Moment of inertia | 85±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 |

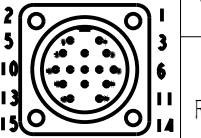


引线定义
Wiring definition




| | | |
|-----------------------------------------|-------------------------------------------------|----|
| IP防护等级 Ingress Protection Rating | IP54 | |
| 绝缘等级 Insulation class | F | |
| 绝缘电阻 Insulation resistance | >100MΩ DC500V | |
| 电机重量 Motor weight | 52.8 | 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) | |

| | |
|-----------------------------------|----------|
| 信号航插规格 Encoder connector | YD28J15Z |
| 编码器规格 Connector specifications | |
| 23-bit optical encoder | |
| 12-bit Resolver encoder | |



| 编码器规格 Connector specifications | 引线定义 Wiring definition | | | | | | | | |
|--------------------------------------|---------------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 23-bit optical encoder | PE (屏蔽) | SD+ (蓝) | SD- (黄) | +5V (红) | 0V (黑) | BAT+ (棕) | BAT- (白) | KTY84-130+ (黄) | KTY84-130- (绿) |
| 12-bit Resolver encoder | 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 | | | |
| | 11101-01437 | IMS20B-20M11D17C-4-P94F-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. | | | |
| | | | | | | | |
| A | 新归档 | / | 26-2-9 | 名 称 | 电机外形图 Motor outline dimension drawing | | |
| 版 本 | 更改方式 | 更改人 | 日期 | | | | |
| 设 计 | / | | | 料 号 | / | 材 质 | / |
| 校 核 | / | | | | | | |
| 工 艺 | / | | | 图 号 | / | 投影标识 |  |
| 审 核 | / | | | | | | |
| 标准化 | / | | | 重 量 | / | 比 例 | 1 : 1 |
| 批 准 | / | | | | | | |
| | | | | 第 1 页 共 1 页 | | | |