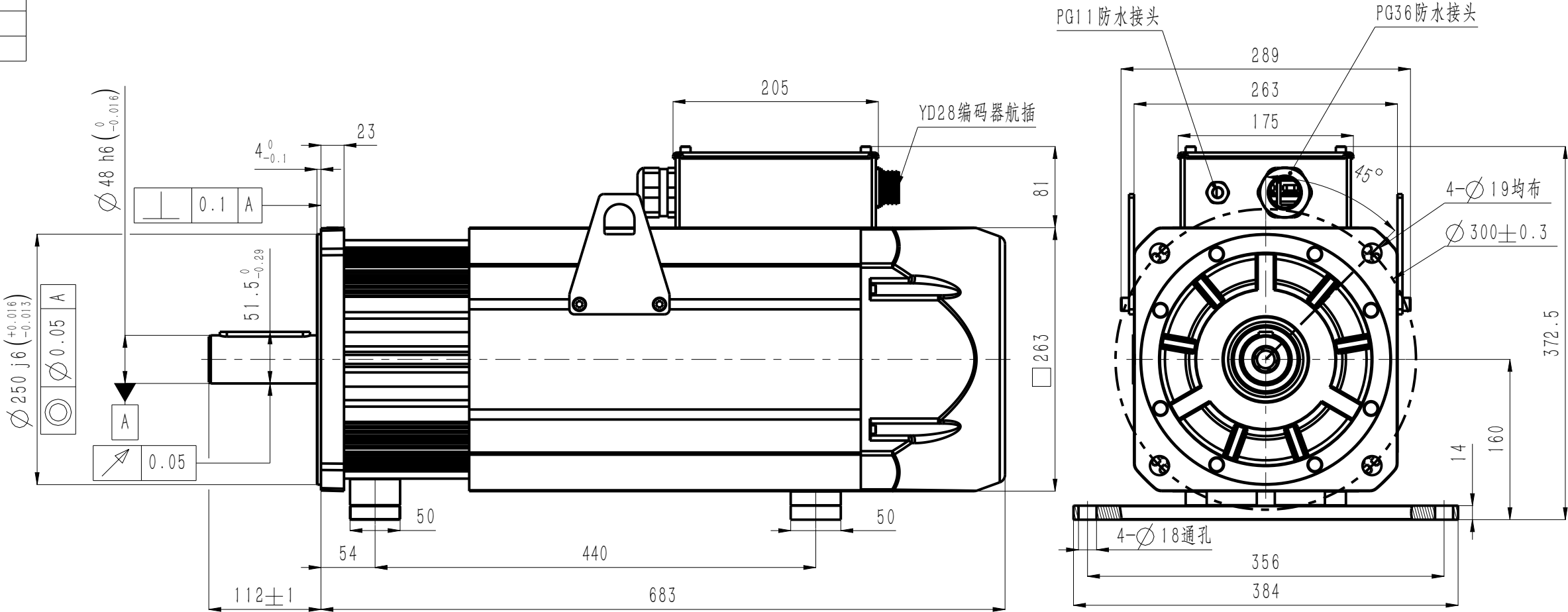
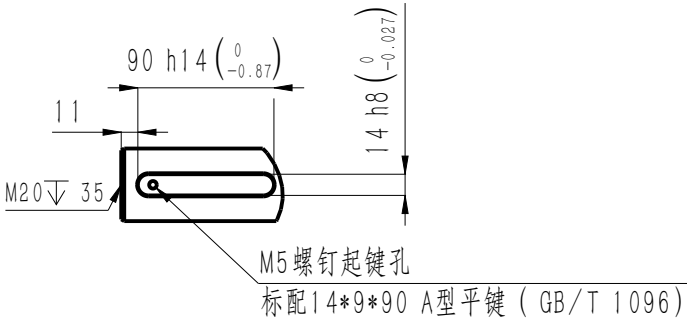


| 版本 Edition | 变更内容 Description of the change |
|------------|--------------------------------|
| B | 电磁参数更新 |
| C | 外形图模板变更 |

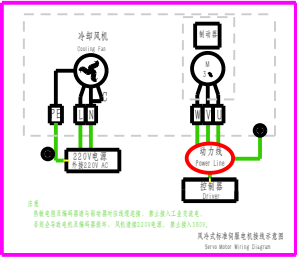
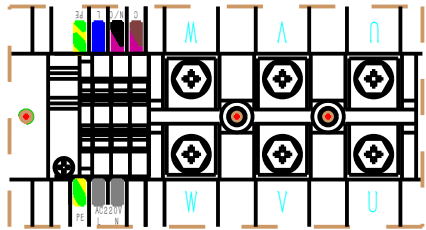


电机技术参数 Motor parameters

| | | |
|---|---|----------------------|
| 额定电压 Rated voltage | 380 | V AC |
| 额定功率 Rated power | 45.4 | kW |
| 额定扭矩 Rated torque | 255 | N · m |
| 额定电流 Rated current | 81.7 | Arms |
| 峰值扭矩(850rpm) Peak torque | 638 | N · m |
| 峰值电流(850rpm) Peak current | 163.4 | Arms |
| 峰值扭矩(1700rpm) Peak torque | 509 | N · m |
| 峰值电流(1700rpm) Peak current | 163.4 | Arms |
| 峰值扭矩(2700rpm) Peak torque | 320 | N · m |
| 峰值电流(2700rpm) Peak current | 151.7 | Arms |
| 额定转速 Rated speed | 1700 | rpm |
| 峰值转速 Maximum speed | 2700 | rpm |
| 扭矩系数 Torque constant | 3.12 | N · m/Arms |
| 反电势常数 Back EMF constant | 245.7 | V/krpm |
| 线电阻 line resistance | 0.128 | Ω |
| 线电感 line inductance | 4.66 | mH |
| 转动惯量 Moment of inertia | 461 ± 10% | kg · cm ² |
| 轴向允许载荷 Axial allowable load | 500 | N |
| 径向允许载荷 Radial allowable load | 1500 | N |
| 极对数 Number of pole pairs | 4 | 对 |
| 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 | 126 | 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) | |

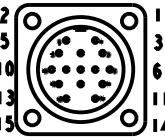


引线定义
Wiring definition



信号航插规格
Encoder connector

YD28J15Z

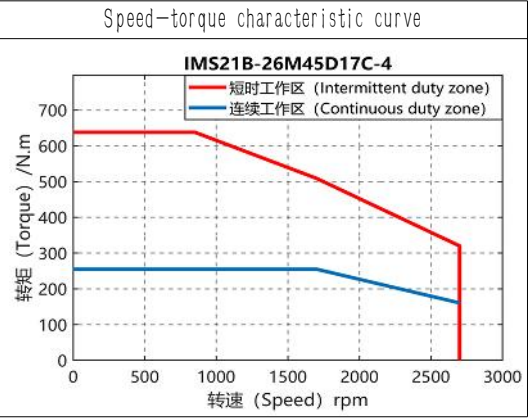
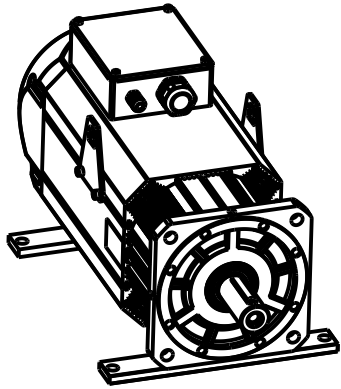
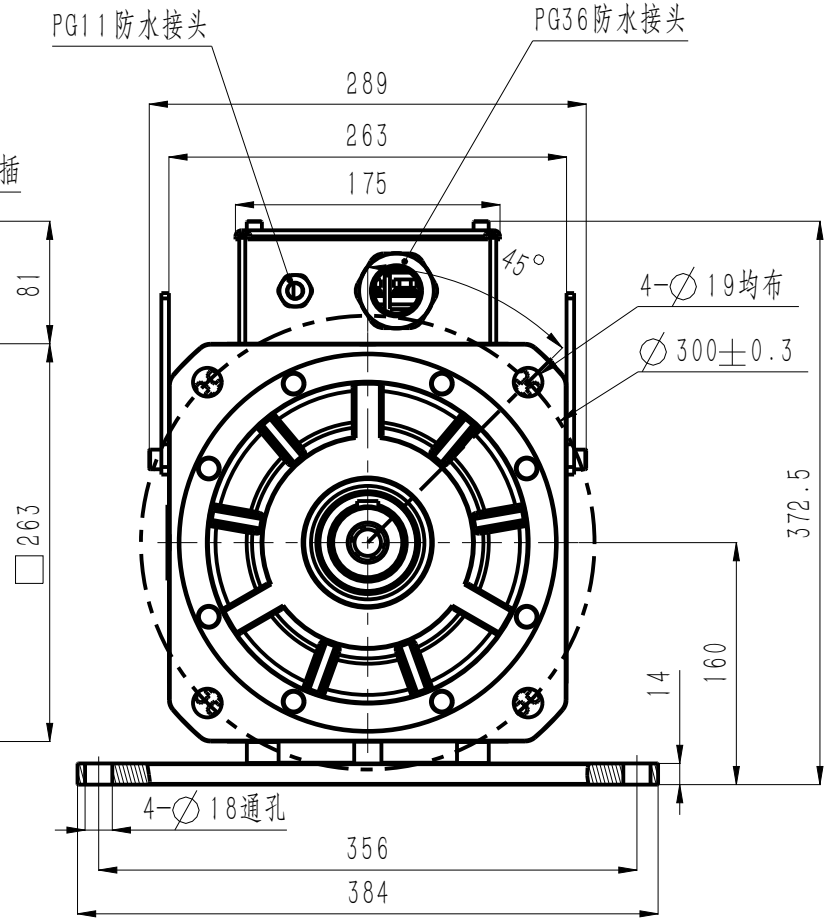


编码器规格
Connector specifications

23位多圈光编
23-bit
optical encoder

12位旋变
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 | |
|-------------|-------------|-----|------------|--|---------------------------------------|-------------|-------|
| 1 | 11101-01857 | | | IMS21B-26M45D17C-4-R7F-A | | 12位旋变 | |
| 2 | 11101-01881 | | | IMS21B-26M45D17C-4-P9F-A | | 23位多圈光编 | |
| C | 修改 | / | 2026-2-12 | 深圳市英威腾电气股份有限公司 Shenzhen INVT Electric Co., Ltd. | | | |
| B | 修改 | / | 2026-1-20 | | | | |
| A | 新归档 | / | 2025-12-17 | 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 | | | | | | | |