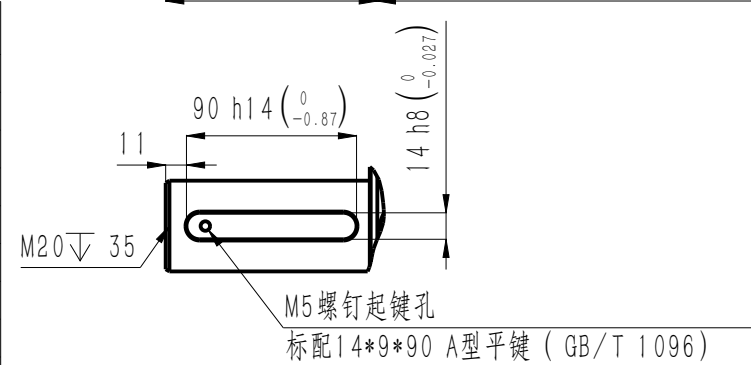
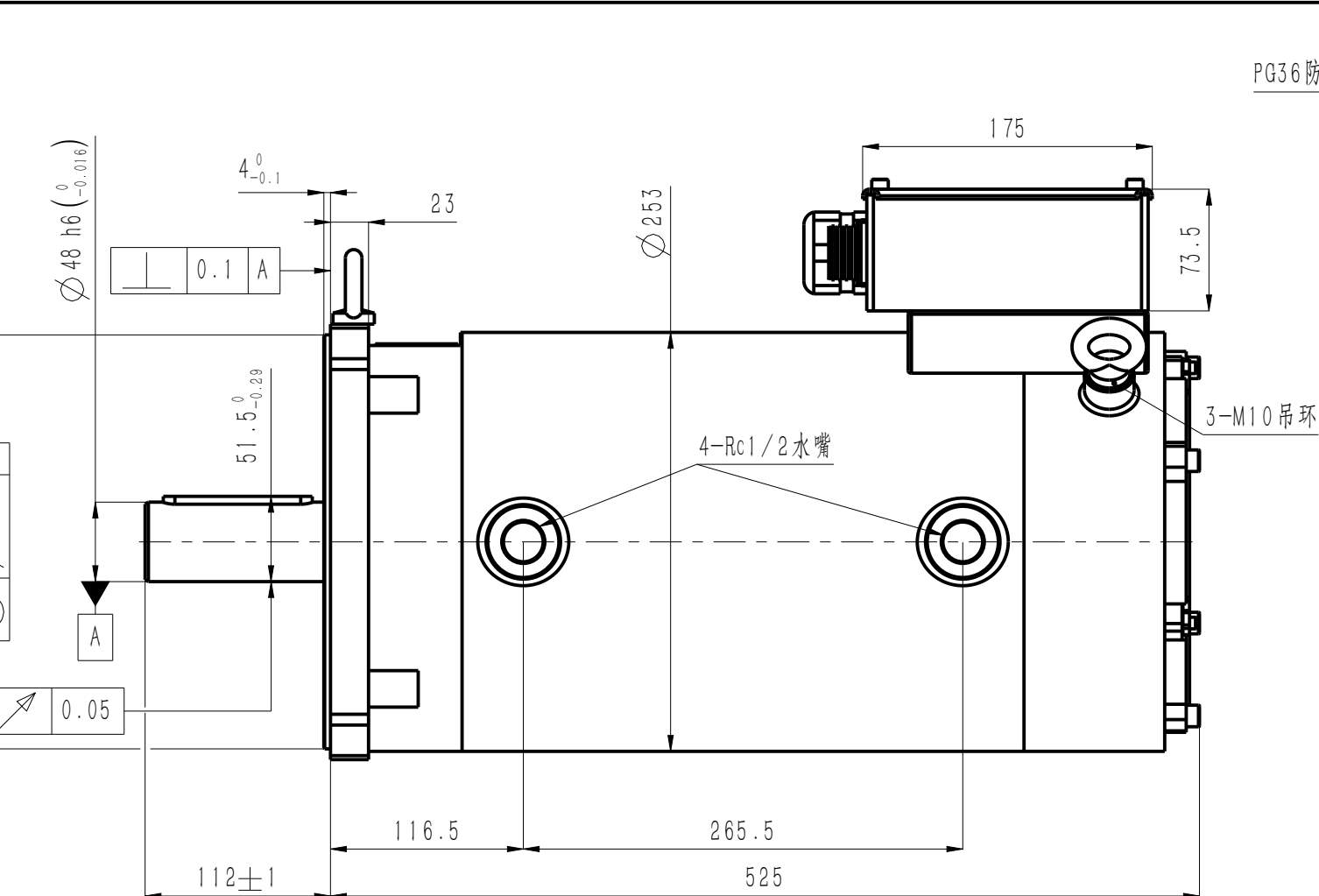


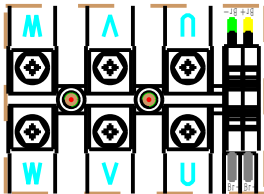
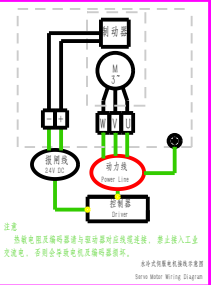
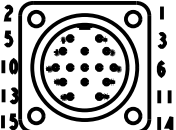
| | |
|------------|--------------------------------|
| 版本 Edition | 变更内容 Description of the change |
| | |

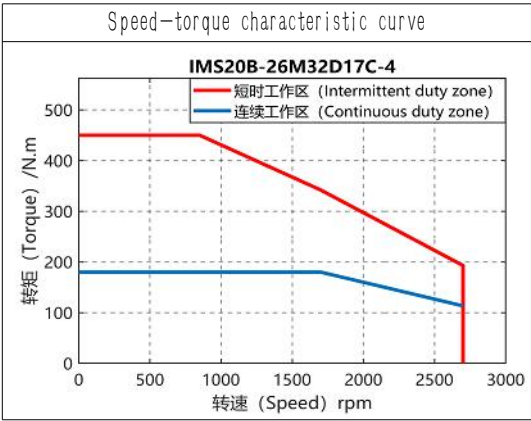
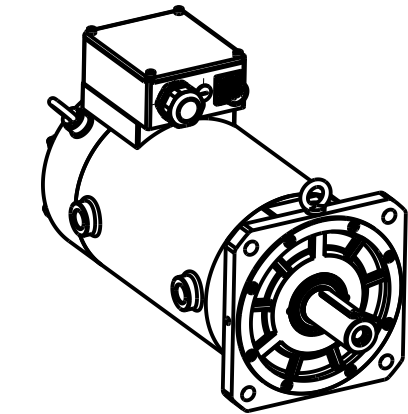
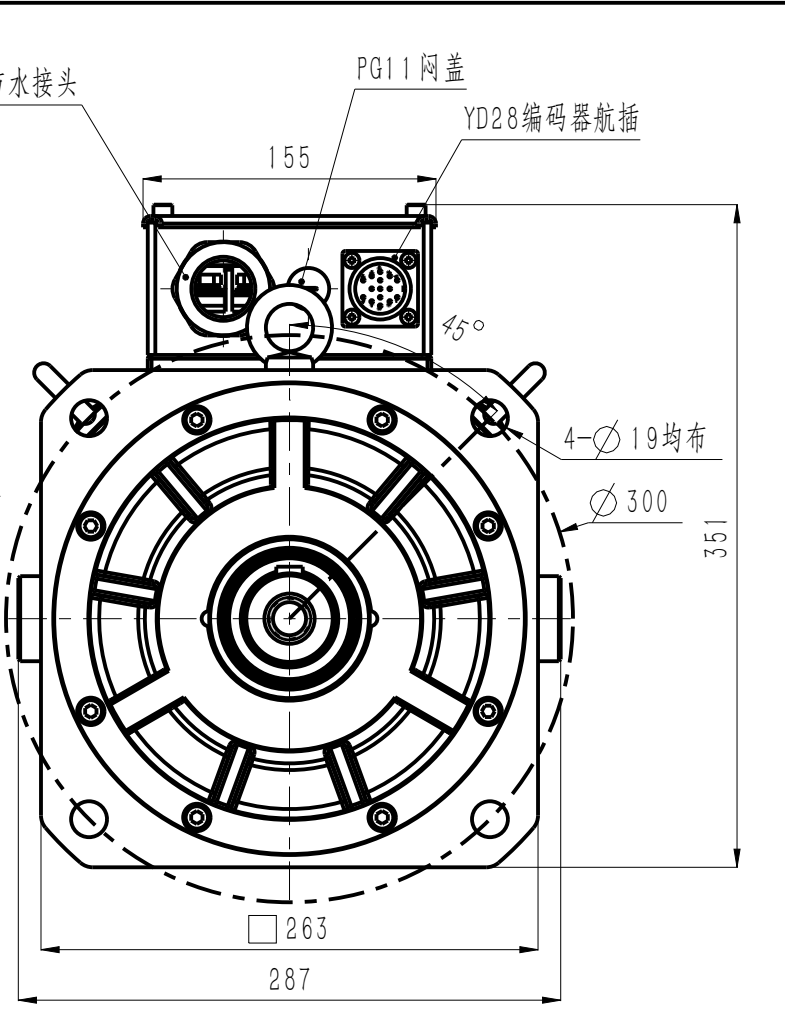
| | | |
|---------------------------|------------------------------------|------|
| 抱闸参数 Brake parameters | | |
| 额定电压 Rated voltage | 24±10% | V DC |
| 额定功率 Rated power | 55 | W |
| 电阻(20℃) Resistance | 10.5±7% | Ω |
| 额定扭矩 Rated torque | 200 | N·m |
| 释放电压 Release voltage | >1.2 | V |
| 吸引电压 Pickup 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 | 32 | kW |
| 额定扭矩 Rated torque | 180 | N·m |
| 额定电流 Rated current | 59 | Arms |
| 峰值扭矩(850rpm) Peak torque | 450 | N·m |
| 峰值电流(850rpm) Peak current | 125.7 | Arms |
| 峰值扭矩(1700rpm) Peak torque | 342 | N·m |
| 峰值电流(1700rpm) Peak current | 116.9 | Arms |
| 峰值扭矩(2700rpm) Peak torque | 193 | N·m |
| 峰值电流(2700rpm) Peak current | 93.2 | Arms |
| 额定转速 Rated speed | 1700 | rpm |
| 峰值转速 Maximum speed | 2700 | rpm |
| 扭矩系数 Torque constant | 3.05 | N·m/Arms |
| 反电势常数 Back EMF constant | 224.3 | V/krpm |
| 线电阻 line resistance | 0.202 | Ω |
| 线电感 line inductance | 7.04 | mH |
| 转动惯量 Moment of inertia | 315±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 | IP55 | |
| 绝缘等级 Insulation class | F | |
| 绝缘电阻 Insulation resistance | >100MΩ DC500V | |
| 电机重量 Motor weight | 118 | 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) | |



| | | | | | | | | | | | |
|--|--|---|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|--------------------------------------|
| <div>引线定义</div> <div>Wiring definition</div> | | <div></div> <div></div> | | | | | | | | | |
| | | <div>注意</div> <div>请按照电压及编码器接口与驱动器的连接方式进行连接，禁止接入工业交流电，否则会导致电压及编码器损坏。</div> <div>信号与电源电压无关</div> <div>Signal Motor Wiring, 23/24V</div> | | | | | | | | | |
| <div>信号航插规格</div> <div>Encoder connector</div> | <div>YD28J15Z</div> <div></div> | <div>编码器规格</div> <div>Connector specifications</div> | <div>引线定义</div> <div>Wiring definition</div> | | | | | | | | |
| | <div>23位多圈光编</div> <div>23-bit optical encoder</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> | <div>PE</div> <div>(屏蔽)</div> | <div>SD+</div> <div>(蓝)</div> | <div>SD-</div> <div>(黄)</div> | <div>+5V</div> <div>(红)</div> | <div>0V</div> <div>(黑)</div> | <div>BAT+</div> <div>(棕)</div> | <div>BAT-</div> <div>(白)</div> | <div>KTY84-130+</div> <div>(黄)</div> | <div>KTY84-130-</div> <div>(绿)</div> |
| | <div>12位旋变</div> <div>12-bit Resolver encoder</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> | <div>PE</div> <div>(屏蔽)</div> | <div>Ref+</div> <div>(红白)</div> | <div>Ref-</div> <div>(黄白)</div> | <div>Cos-</div> <div>(黑)</div> | <div>Cos+</div> <div>(红)</div> | <div>Sin+</div> <div>(黄)</div> | <div>Sin-</div> <div>(蓝)</div> | <div>KTY84-130+</div> <div>(黄)</div> | <div>KTY84-130-</div> <div>(绿)</div> |



| | | | | | | | |
|-----|-------------|------------------------------|-----------|--|---------------------------------------|------|---|
| SN | 料号 P/N | 整机型号 Model and Specification | | | 编码器 Encoder | | |
| I | 11101-02134 | IMS20B-26M32D17C-4-P94Y-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 | / | 2026-3-10 | 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 | | | |