

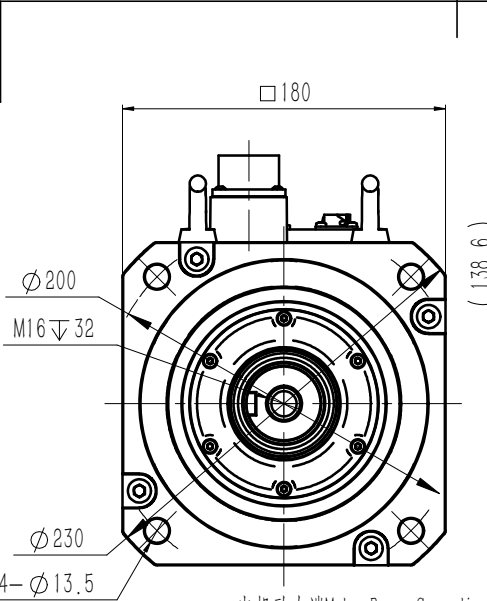
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电机规格 Motor Specifications

| | |
|---|------------------------|
| 电机型号 Motor Model | X2MM750A-B4LA |
| 适配驱动器电压 V (rms) Typical Drive Voltages | 380 |
| 直流母线电压 V (dc) Basic DC Bus Voltage | 540 |
| 额定功率 kW Rated Output Power | 7.5 |
| 额定转速 rpm Rated Speed | 1500 |
| 最高转速 rpm Max. Speed | 2500 |
| 额定转矩 Nm Rated Torque | 47.8 |
| 堵转转矩 Nm Continuous Stall Torque | 47.8 |
| 瞬时峰值扭矩 Nm Peak Torque | 119 |
| 额定电流 A (rms) Rated Current | 21.8 |
| 堵转电流 A (rms) Continuous Stall Current | 21.8 |
| 瞬时峰值电流 A (rms) Peak Current | 75 |
| 线反电势常数V (rms) / K rpm Voltage Constant | 151 |
| 转矩常数Nm / A (rms) Torque Constant | 2.5 |
| 线电阻 Ω @20° C Winding Resistance (Line-Line) | 0.31 |
| 电感mH (typ.) Winding Inductance (Line-Line) | 6.2 |
| 转子惯量kg m ² Inertia | 114.2X10 ⁻⁴ |
| 电气时间常数ms Electrical Time Constant | 20 |
| 极对数 Rotor Poles | 5 |
| 编码器 Encoder | 17位绝对值 |
| 轴向载荷 N Shaft Load - Axial | 980 |
| 径向载荷 N Shaft Load - Radial (End of Shaft) | 2058 |
| 防护等级 Protection Class | IP65 |
| 绝缘等级 Insulation Class | F |
| 重量 kg Weight | 29.7 |

制动器规格 Holding Brake Specifications

| | |
|--------------------------------------|--------|
| 额定电压 DC(V) Rated Voltage | 24±10% |
| 额定电流 A Rated Current | 1.04 |
| 静摩擦转矩(N.m) Static Friction Torque | >74 |
| 吸引时间 ms Absorbing Time | ≤120 |
| 释放时间 ms Releasing Time | ≤30 |
| 释放电压 (V) Releasing Voltage | >0.5 |



电机动力端Motor Power Connection

| 针位 PIN No. | 功能定义 Function |
|---------------|------------------|
| A | U |
| B | V |
| C | W |
| D | C, G |

编码器端 Encoder Connection

| 针位 PIN No. | 功能定义 Function |
|---------------|------------------|
| 1 | VCC |
| 2 | GND |
| 3 | - |
| 4 | BAT |
| 5 | +D |
| 6 | -D |
| 7 | - |
| 8 | - |
| 9 | BAT- |
| 10 | SHIELD |

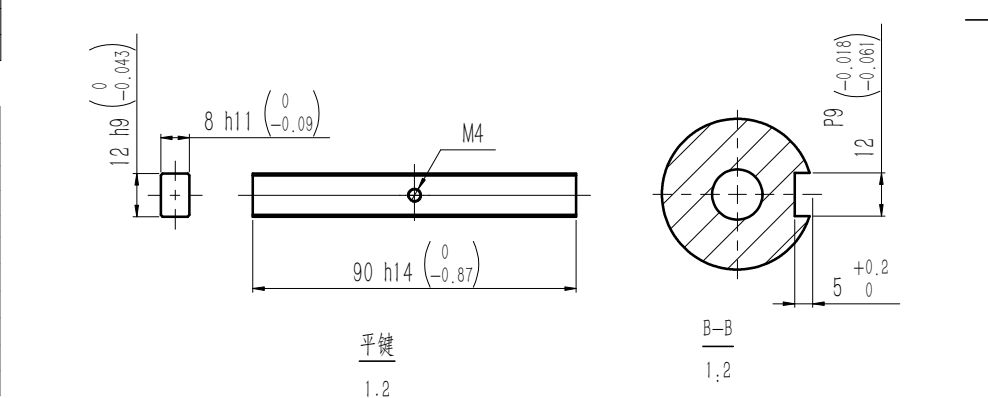
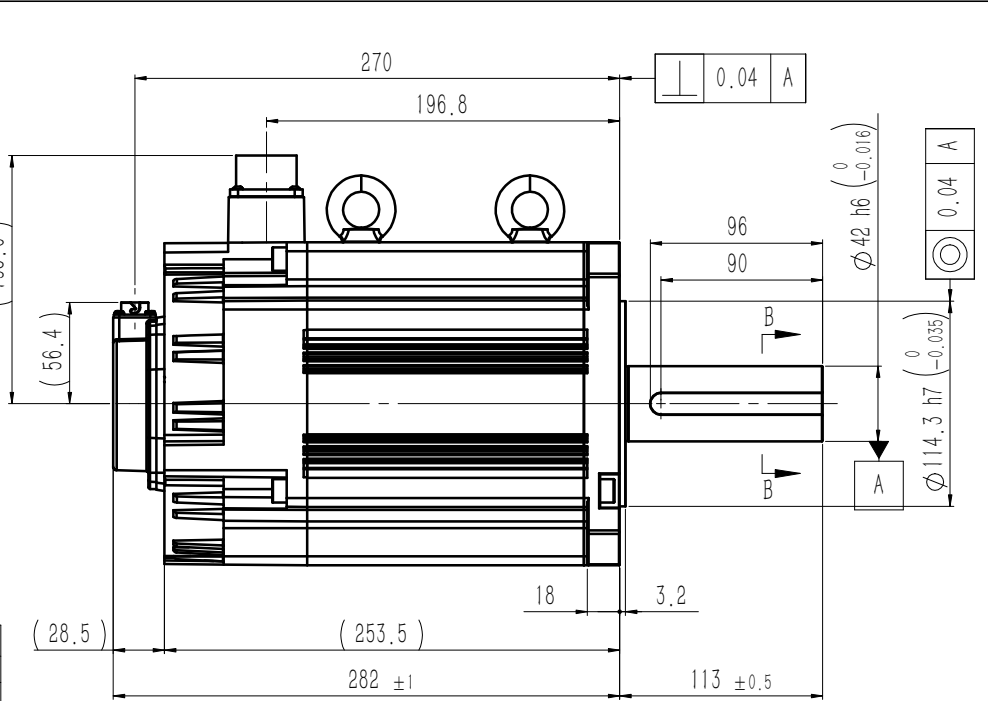
制动器端 Brake Connection

| 针位 PIN No. | 功能定义 Function |
|---------------|------------------|
| 1 | BK |
| 2 | BK |

备注:
notes

1. GB/T 1096 键 B12x8x90 随电机一起包装, 但未安装。
GB/T 1096 Key B12x8x90 is shipped with motor, but not installed.

2. 防护等级IP65(除了轴上没装油封和非密封连接器情况)。
IP65 (except Shaft without seal and non-sealed connectors)



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| 客户回签 | | | | | | | | | |
| HCFA浙江禾川科技股份有限公司 | | | | | | | | | |
| 伺服电机(7.5kW带制动器) | | | | | | | | | |
| X2MM750A-B4LA | | | | | | | | | |

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|----|-----|--------|-------|----|-----|-------|-------|----|-----|
| 标记 | 处数 | 分区 | 更改文件号 | 签名 | 年月日 | 阶段 | 标记 | 重量 | 比例 |
| 设计 | ZML | 040920 | 标准化 | | | | | | 1:4 |
| 审核 | | | | | | | | | |
| 工艺 | | | 批准 | | | 共 1 张 | 第 1 张 | | |