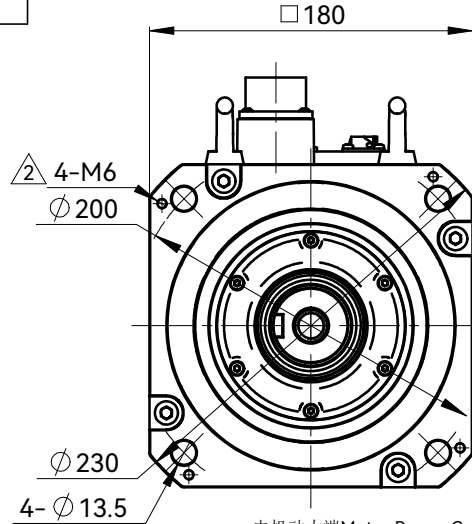


电机规格 Motor Specifications

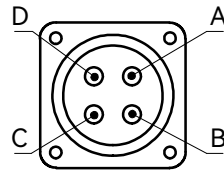
电机型号 Motor Model	X6MM750A-B4LD
适配驱动器电压 V (rms) Typical Drive Voltages	380
直流母线电压 V (dc) Basic DC Bus Voltage	540
额定功率 kW Rated Output Power	7.5
额定转速 rpm Rated Speed	1500
最高转速 rpm Max. Speed	2500
额定转矩 Nm Rated Torque	47.8
堵转转矩 Nm Continuous Stall Torque	47.8
瞬时峰值转矩 Nm Peak Torque	119
额定电流 A (rms) Rated 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
线电感 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	23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

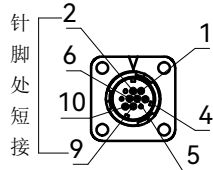


电机动力端 Motor Power Connection



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

编码器端 Encoder Connection



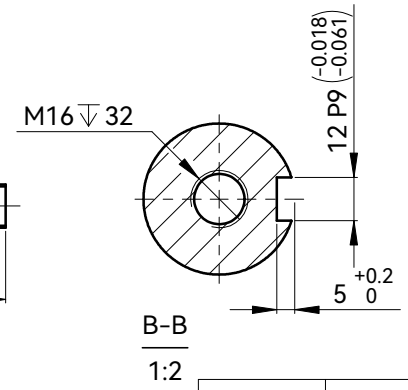
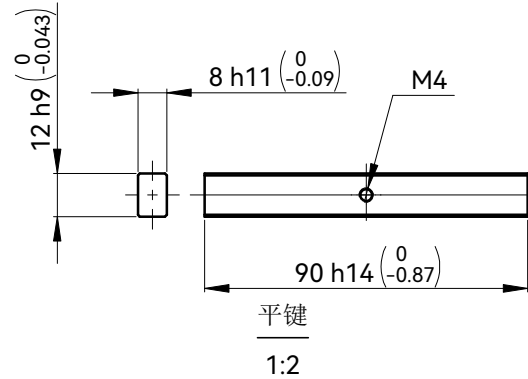
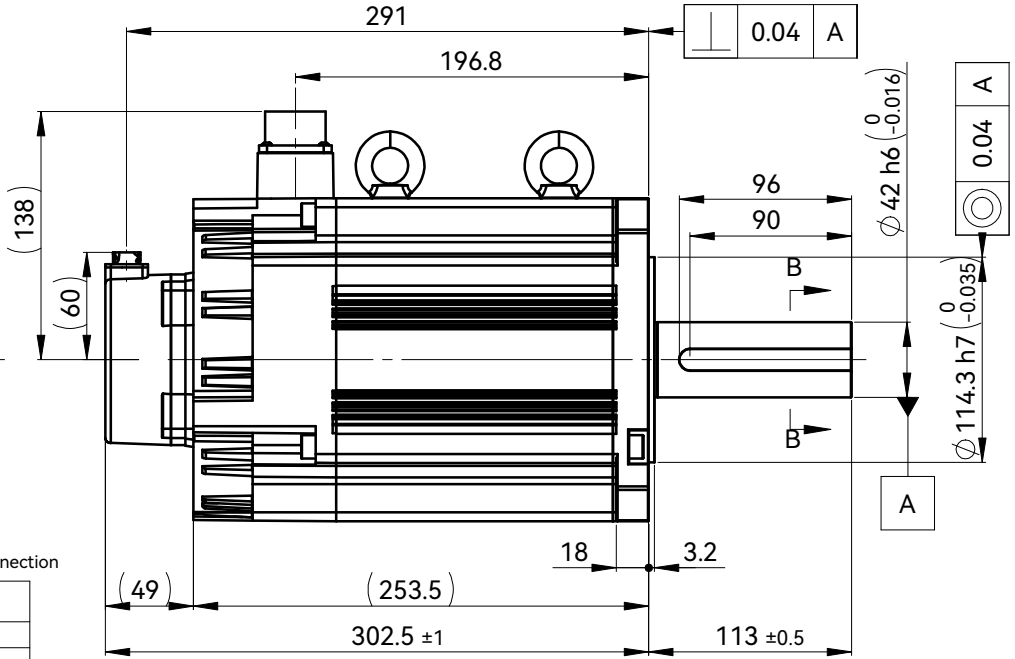
针位 PIN No.	功能定义 Function
1	VCC
2	GND
3	-
4	BAT
5	+D0
6	-D0
7	-
8	-
9	-
10	SHIELD

制动器端 Brake Connection

针位 PIN No.	功能定义 Function
1	BK
2	BK

备注:
notes

- 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.
- 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)



标记	2	1	EC001966	ZML	063021
设计	ZML	040920	标准化		
审核					
工艺			批准		

阶段	标记	重量	比例
			1:4
共	张	第	张

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)	
X6MM750A-B4LD	