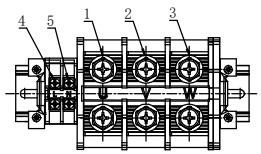
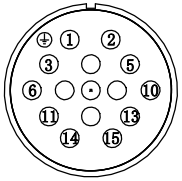
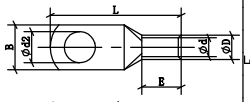
动力引出线 Power Connector				风扇引出线 Electricfans Connector	
位号 Terminal Number	1	2	3	4	5
颜色 Color	红 Red	绿 Green	蓝 Blue	黑 Black	黑 Black
定义 Definition	U	V	W	L	N



编码器引出线 Encoder Connector									
1	3	4	6	7	8	9	14	15
屏蔽层 shielding layer	黄 Yellow	蓝 Blue	黑 Black	白 White	红 Red	棕 Brown	黑 Black	黑 Black
屏蔽线 screening wire	485-	485+	GND	电池- cell-	5V	电池+ cell+	测温传感器 thermometric sensor	测温传感器 thermometric sensor

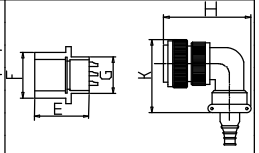


动力插头 Power Connector



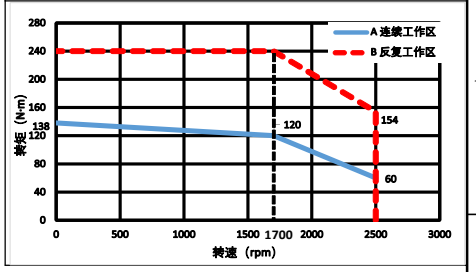
d2 = 8.3±0.04 mm
L = 27±0.5 mm
B = 12±0.3 mm
E = 9.8-10.5 mm
d = 5±0.2 mm
D = 6.5±0.15 mm

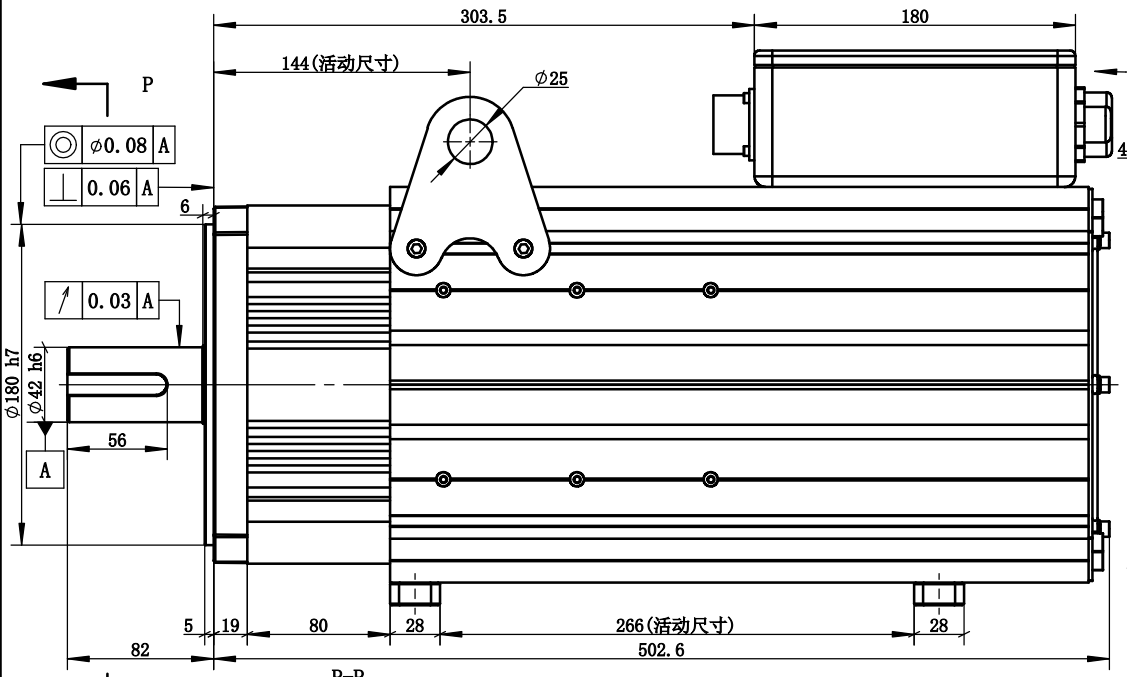
编码器插头 Encoder Connector

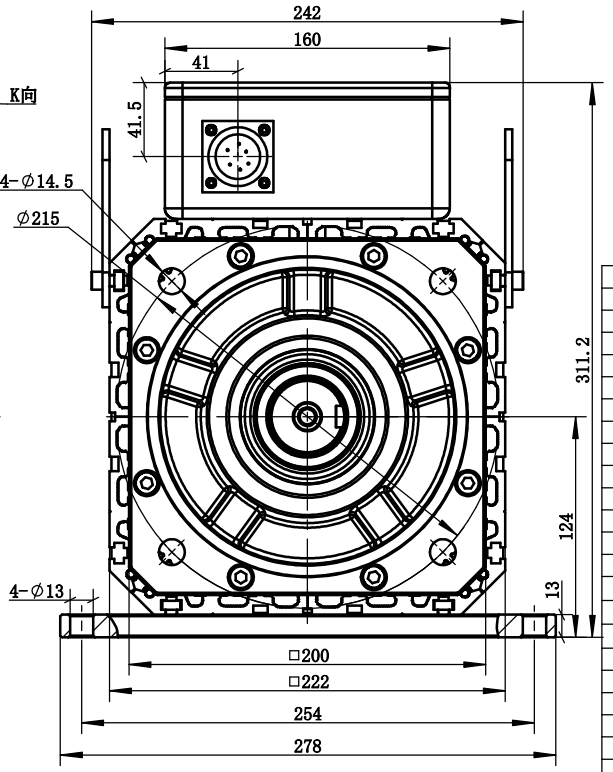


型号	A	B	C	D	E	F	G	H	K
YD32	42	ø32	ø32	ø3.7	42	ø38	ø32	75	75

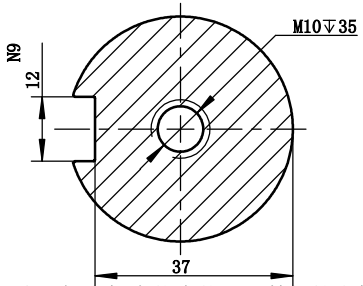
转速-转矩 S-T Characteristic Curve



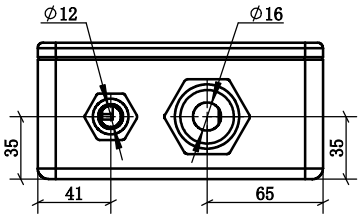




P-P
1 : 1



K-K



风扇参数 Fan Specifications	
额定电压V Rated Voltage	220V
额定电流Arms Rated Current	0.25A±10%
额定转速rpm Rated Rotation Speed	3000RPM±10%
工作电压范围V Range of working voltage	AC110-260V
电机参数 Electric Machine Parameter	
型号 Specification And Type	MS6G-200TH17B2-421P0-F
惯量规格 Specification Of Inertia	中惯量 Moment Of Inertia
额定功率kW Rated Power	21
额定转矩N·m Rated Torque	120
瞬时最大转矩N·m Instantaneous Maximum Torque	240
额定电流Arms Rated Current	45
瞬时最大电流Arms Instantaneous Maximum Current	90
额定转速rpm Rated Rotation Speed	1700
最高转速rpm Maximum Rotation Speed	2500
转动惯量kg·m² Rotor Moment Of Intertia	229611×10^-7
电压等级V Voltage Level	380
编码器规格 Specification Of The Encoder	23bit
径向允许负载N Radial allowable load	1880
轴向允许负载N Axial allowable load	640
耐压等级 Pressure Class	1800V 60S
绝缘电阻 Insulation Resistance	100MΩ DC500V以上 More Than 100MΩ DC500V
绝缘等级 Class Of Insulation	F
防护等级 Protection Level	IP 54（不含轴端） IP 54(Exclude Shaft End)
使用环境湿度RH Humidity Of Use Environment	20%～90%RH（不结露） 20%～90%RH（Non-dewfall）
使用环境温度℃ Operating Ambient Temperature	-10℃～40℃（不结冻） -10℃～40℃（Non-frozen）
储存湿度RH Storage Humidity	20%～90%RH（不结露） 20%～90%RH（Non-dewfall）
储存温度℃ Storage Temperature	-20℃～60℃
冷却方式 Cooling Type	风冷 Air Cooling

注：拿取电机应手握电机壳体本体，严禁拉拽电机动力线、编码器引出线。
严禁敲打电机任何位置，轻拿轻放。

Note: Take the motor should hold the motor shell body.It is strictly prohibited to pull the power line of the motor and the lead line of the encoder. It is strictly prohibited to tap the motor,take and put it lightly.

版本 Edition	更改方式 Modalities of the change	日期 Date	签字 Signature	更改说明 Description of the change
1	新归档			

设计 Designed			标准化 Standardized		
校对 Proofread			会签 Countersign		
审核 Checked			会签 Countersign		
工艺 Processed			批准 Approved		

阶段标记 Stage Mark	版本 Edition	重量 Weight	比例 Scale
B	1	66.1kg	1:3

共 1 张 第 1 张 Page 1 of 1

XINJE 无锡信捷电气股份有限公司 Wuxi Xinje Electric Co.,Ltd

21kW伺服电机

MS6G-200TH17B2-421P0-F