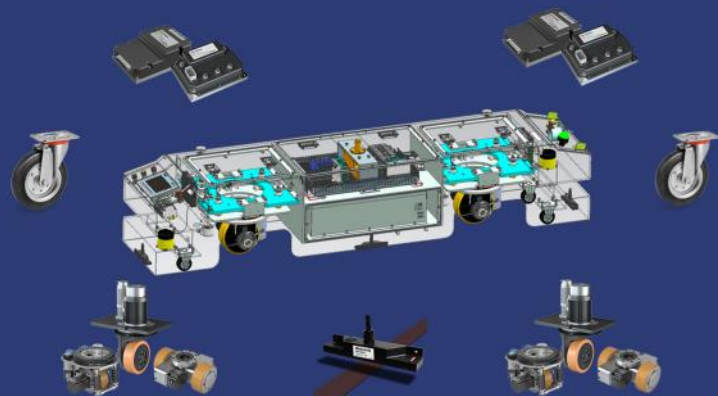


让机器都可以懂得“思考”，赋能中国智造！
Empowering China's innovation, enabling machine cognition!



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WhatsApp 2

上海布路托自动化技术有限公司

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Code: 201807



PLT驱动轮选型手册

PLT DRIVE WHEEL SELECTION MANUAL

合作·共赢·创新·发展

COOPERATION · WIN-WIN · INNOVATIVE · DEVELOPMENT

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公司简介

Company profile

上海布路托自动化有限公司是AGV/AMR中国移动机器人领域的集成解决方案领军企业之一，拥有超过22年的行业研发与生产经验国家高新技术企业。公司总部位于上海，属于专精特新，国家小巨人企业。公司依托10,000+平方米现代化生产基地及100+名员工的专业团队，完善的研发、设计、生产及销售为一体的国家高新科技企业。布路托公司专注于运动控制核心技术突破与产业化应用，累计获得200+项专利技术认证，致力于为全球工业自动化与智能装备升级提供一流的产品和服务。

Shanghai Plutools Automation Co., Ltd focused on AGV/AMR mobile robots in China. It is a national high-tech enterprise with more than 22 years of industry R&D and production experience. Plutools headquarter located in Shanghai, Plutools is a Specialized and Innovative Enterprises & National Small giant Enterprise title. Relying on a 10,000+ square meter modern production facility and a professional team of more than 100+ employees, Plutools focuses on the breakthrough and industrial application of core motion control technologies, and has obtained more than 200+ patent technology certifications, Plutools provide first-class products and services for global industrial automation and intelligent equipment upgrades.

客户应用特种设备(部分案例)

SPECIAL EQUIPMENT CUSTOMER APPLICATION



公铁两用车

Public railway
dual-use vehicle



高尔夫球车

Golf cart



飞机牵引

Aircraft traction



港口码头AGV

Port terminal AGV

客户应用常规AGV(部分案例)

SPECIAL EQUIPMENT CONVENTIONAL AGV



叉车式AGV

Forklift AGV



牵引式AGV

Traction AGV



举升式AGV

Lift AGV



停车AGV

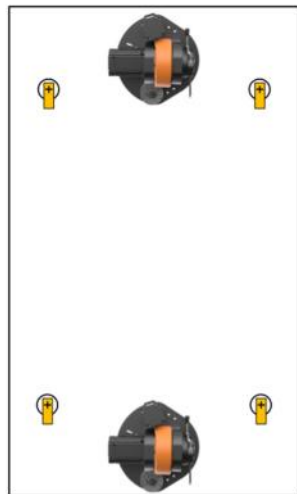
Parking AGV

轮系布局方案

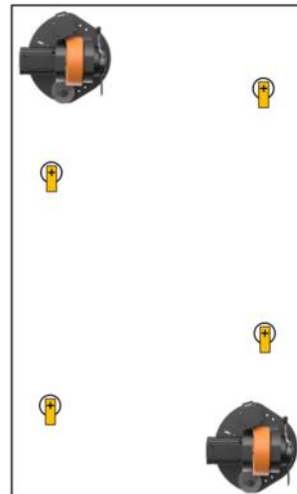
Layout solution of drive wheel



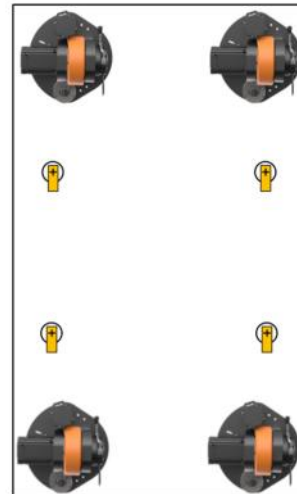
单舵轮
Single drive wheel



中轴双舵轮
Middle axle drive wheel



对角双舵轮
Diagonal drive wheel



四舵轮
Four drive wheel



单侧差速轮
Diagonal drive wheel



定向脚轮
Directional castor



万向脚轮
Omni-directional castor

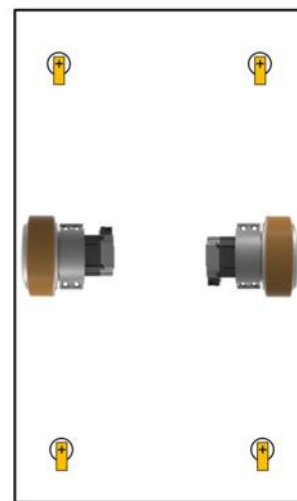


舵轮
Drive wheel



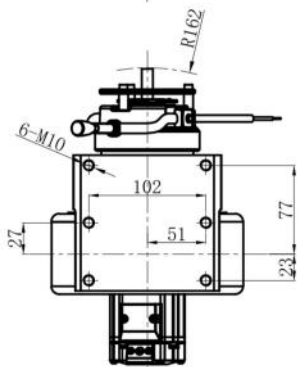
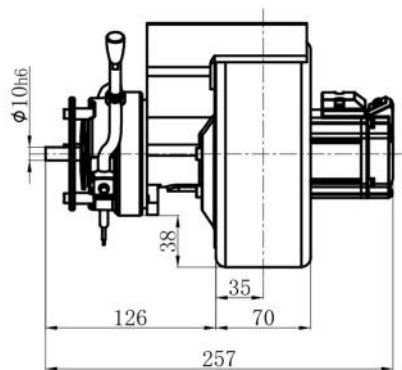
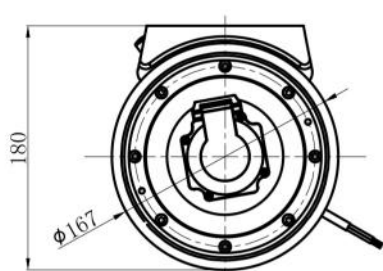
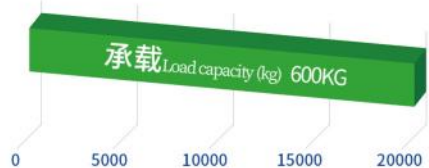
差速轮
Differential drive wheel

- 单舵轮结构能前进后退与转向
The structure of single drive wheel can move forward, backward and steer.
- 双舵轮及以上结构可以前进后退转向左右横移原地掉头
The structure of double drive wheels and above can move forward, backward, turn left and right, and make a U-turn in place.
- 差速轮结构能前进后退和原地掉头
The structure of differential drive wheel can move forward, backward and make a U-turn in place.



中轴差速轮
Middle axle differential drive wheel

PLT-167P 行走轮 (Traction system)



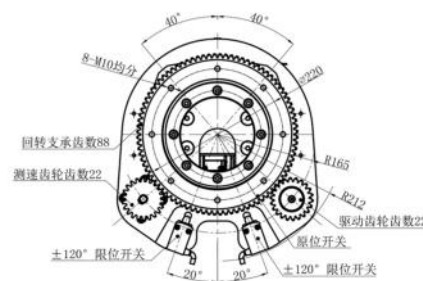
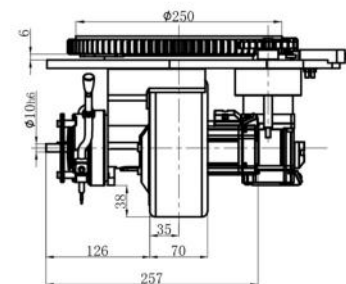
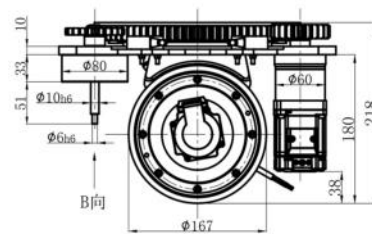
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400/750
电压 Voltage(V)	24/48
电流 Current(A)	16.7/8.9/34/18.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
承载 Load capacity(kg)	600
IP等级 IP grade	65

PLT-167P 舵轮 (Drive wheel)



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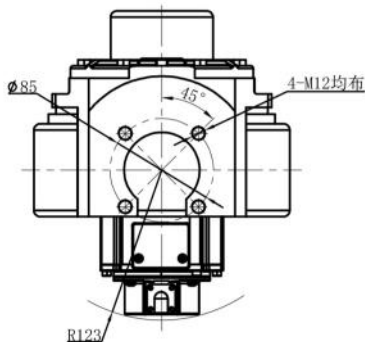
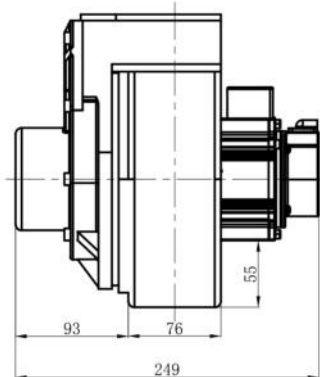
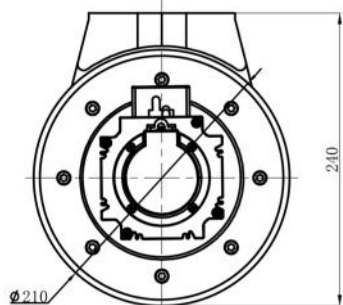


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	9.2/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-210P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	24/48
电流 Current(A)	34/22
转速 Speed(rpm)	3000
减速比 Ratio(i)	25
承载 Load capacity(kg)	1000
IP等级 IP grade	65

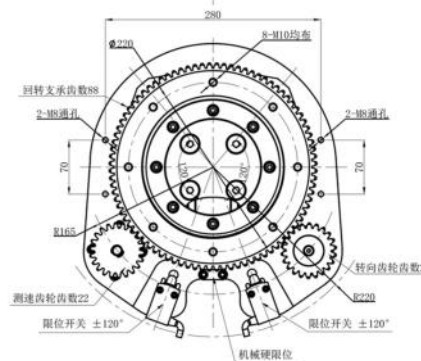
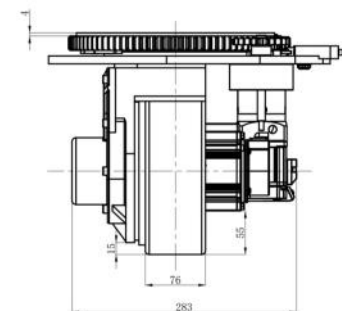
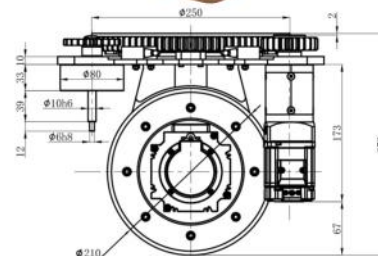


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PLT-210P 舵轮 (Drive wheel)



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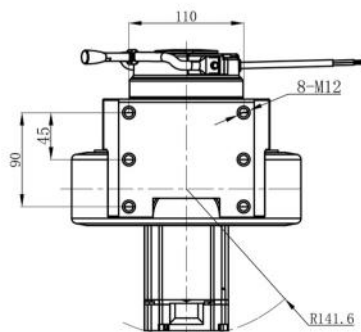
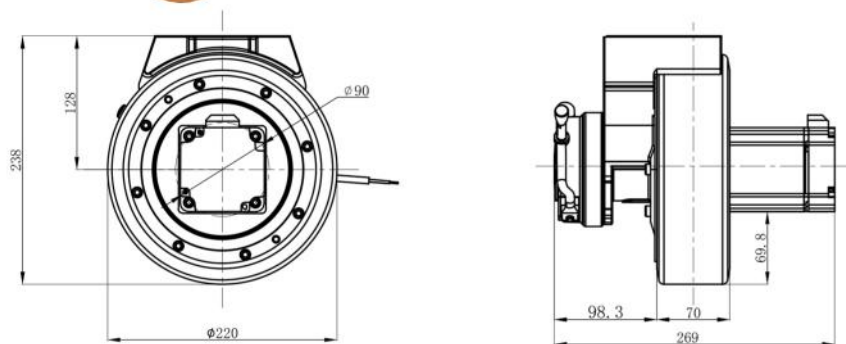
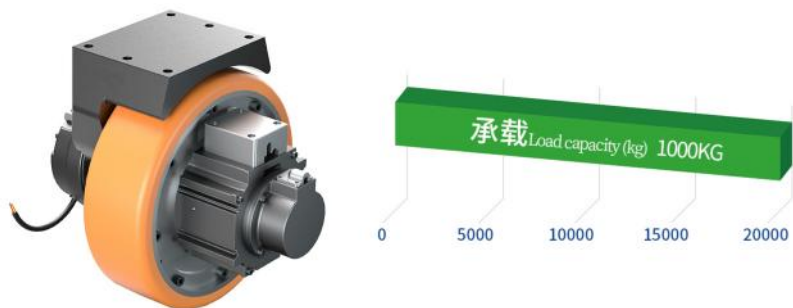


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	11.9/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	58.22
IP等级 IP grade	65

可选用配件: (Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-220P 行走轮 (Traction system)



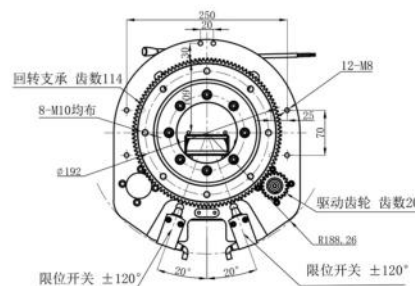
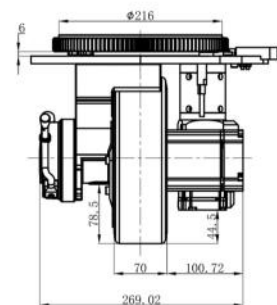
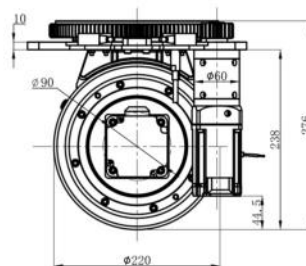
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	27.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	1000
IP等级 IP grade	65

PLT-220P 舵轮 (Drive wheel)



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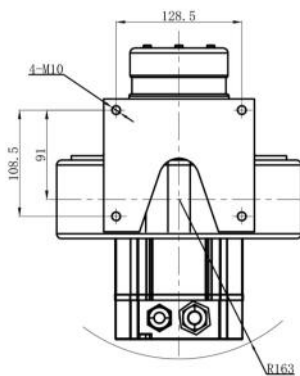
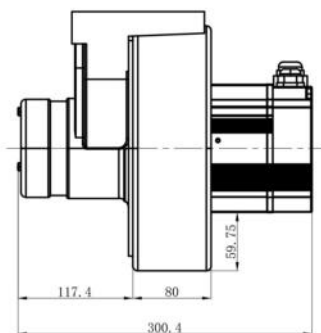
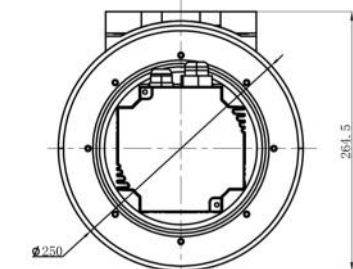
转向部分参数 Steering parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	24/48
电流 Current(A)	11.9/4.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	58.22
IP等级 IP grade	65

可选配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch, Home Switch, External Encoder, Potentionmeter

PLT-250P 行走轮 (Traction system)



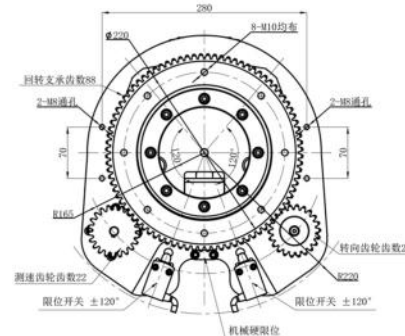
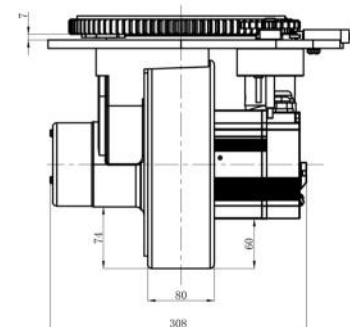
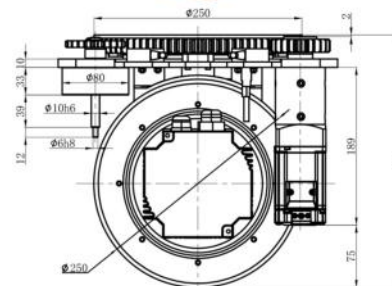
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500/1000
电压 Voltage(V)	48
电流 Current(A)	44/29
转速 Speed(rpm)	3000
减速比 Ratio(i)	31
承载 Load capacity(kg)	1000
IP等级 IP grade	65

PLT-250P 舵轮 (Drive wheel)



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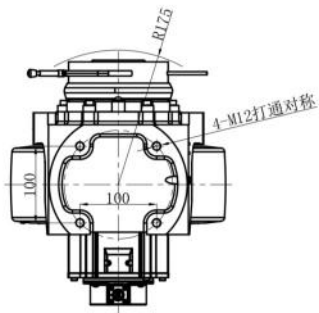
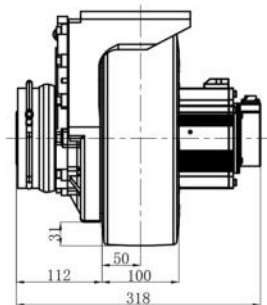
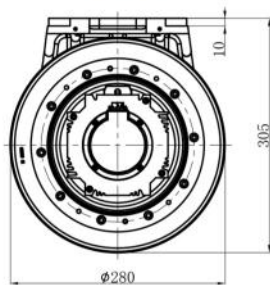
转向部分参数 Steering parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件: (Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch, Home Switch, External Encoder, Potentionmeter

PLT-280P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	2000/2500/3000
电压 Voltage(V)	48
电流 Current(A)	67/55/44
转速 Speed(rpm)	3000
减速比 Ratio(i)	28
承载 Load capacity(kg)	1200
IP等级 IP grade	65

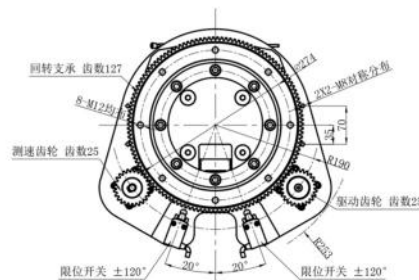
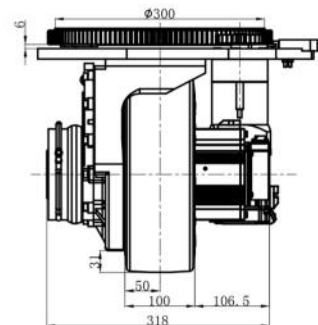
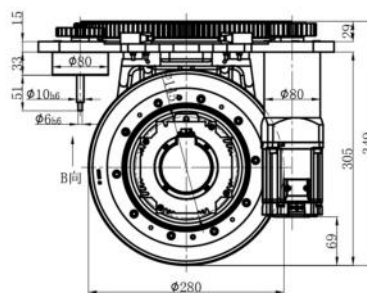


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PLT-280P 舵轮 (Drive wheel)



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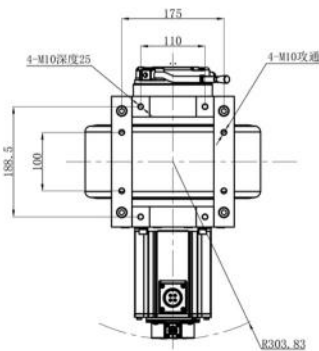
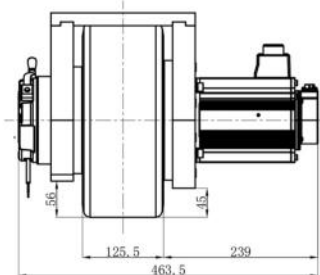
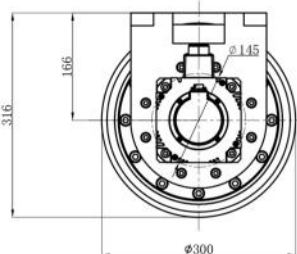
转向部分参数 Steering parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	19
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch, Home Switch, External Encoder, Potentionmeter

PLT-300P 行走轮 (Traction system)



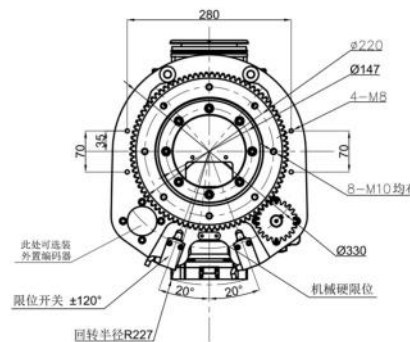
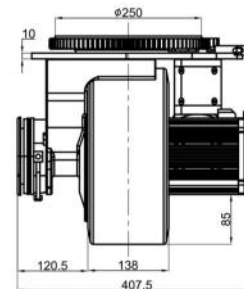
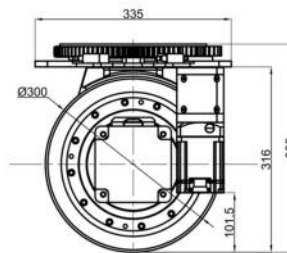
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	48
电流 Current(A)	75
转速 Speed(rpm)	2500
减速比 Ratio(i)	40
承载 Load capacity(kg)	3000
IP等级 IP grade	65

PLT-300P 舵轮 (Drive wheel)



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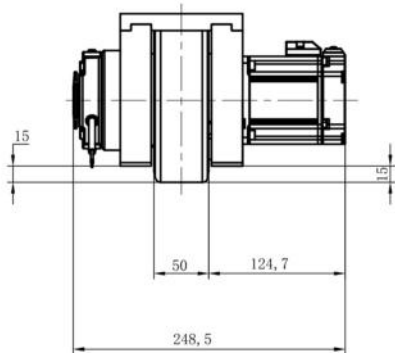
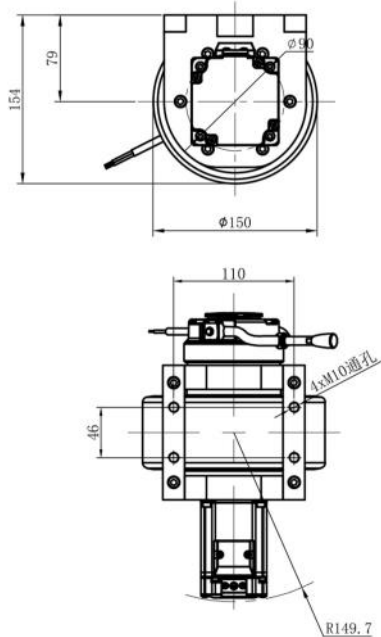
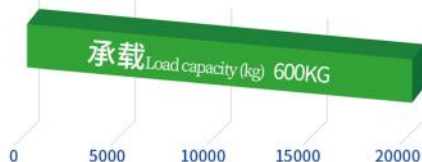
转向部分参数 Steering parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	27.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	200
IP等级 IP grade	65

可选用配件: (Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch, Home Switch, External Encoder, Potentionmeter

PLT-150P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	24/48
电流 Current(A)	31/11
转速 Speed(rpm)	3000
减速比 Ratio(i)	21
承载 Load capacity(kg)	600
IP等级 IP grade	65

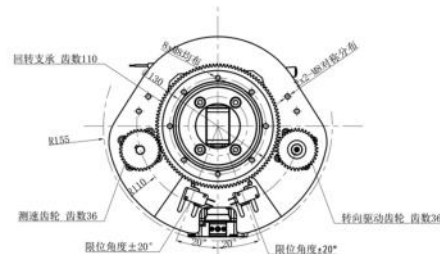
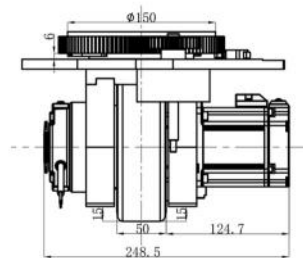
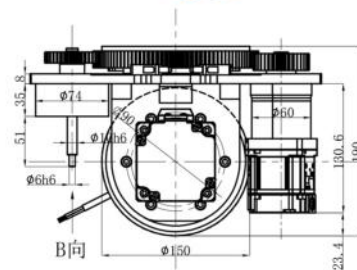


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PLT-150P 舵轮 (Drive wheel)



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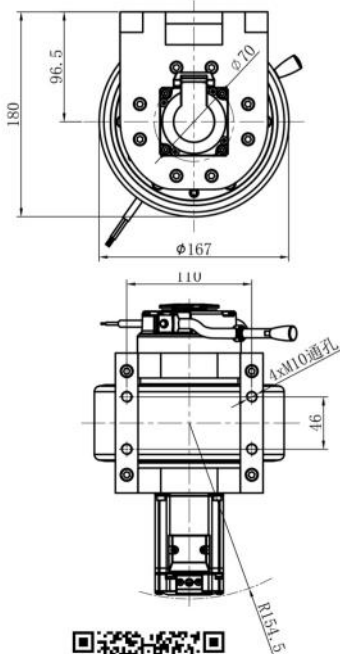
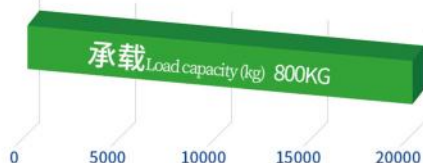


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	100/200
电压 Voltage(V)	24/48
电流 Current(A)	6.5/1.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-167P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400/750/1000
电压 Voltage(V)	24/48
电流 Current(A)	8.9-46
转速 Speed(rpm)	3000
减速比 Ratio(i)	21/32
承载 Load capacity(kg)	800
IP等级 IP grade	65

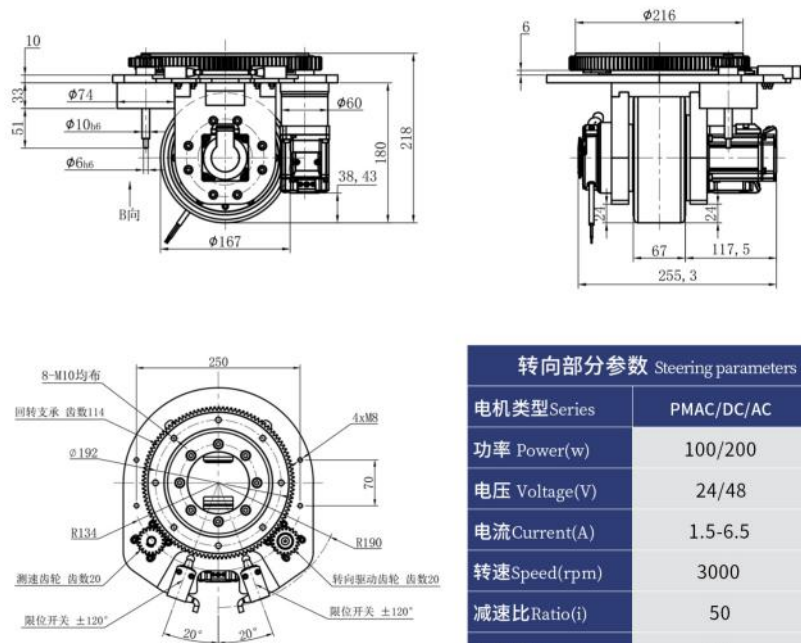


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PLT-167P 舵轮 (Drive wheel)



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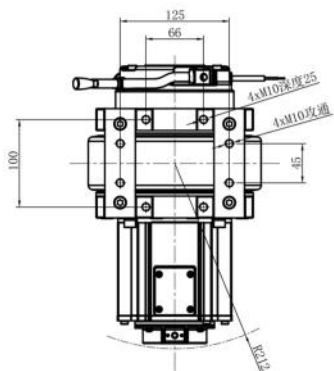
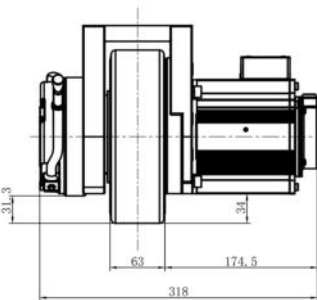
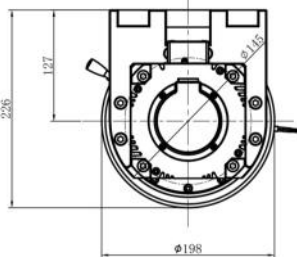


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	100/200
电压 Voltage(V)	24/48
电流 Current(A)	1.5-6.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-198P 行走轮 (Traction system)



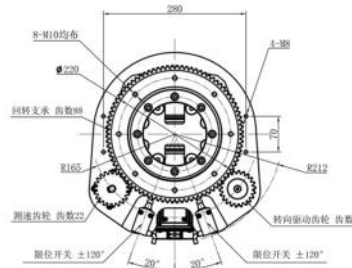
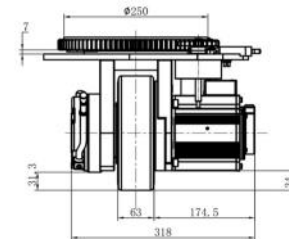
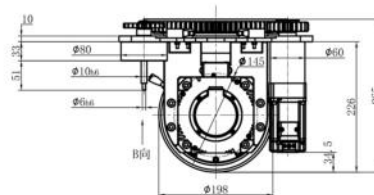
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行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500/3000
电压 Voltage(V)	48
电流 Current(A)	33-67
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	1500
IP等级 IP grade	65

PLT-198P 舵轮 (Drive wheel)



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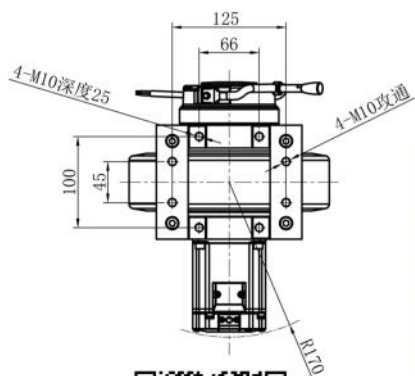
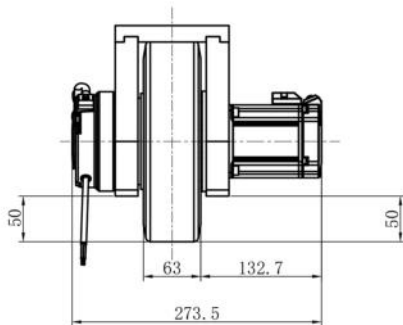
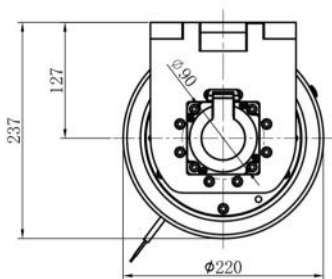


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	8.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch, Home Switch, External Encoder, Potentionmeter

PLT-220P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750/1000
电压 Voltage(V)	48
电流 Current(A)	23-46
转速 Speed(rpm)	3000
减速比 Ratio(i)	32/40
承载 Load capacity(kg)	1000
IP等级 IP grade	65

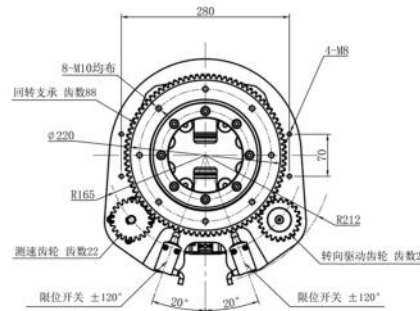
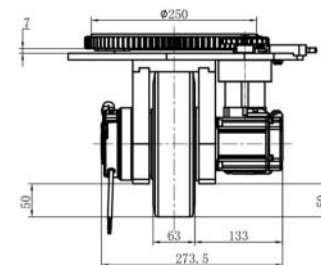
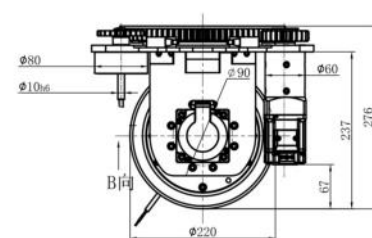


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PLT-220P 舵轮 (Drive wheel)



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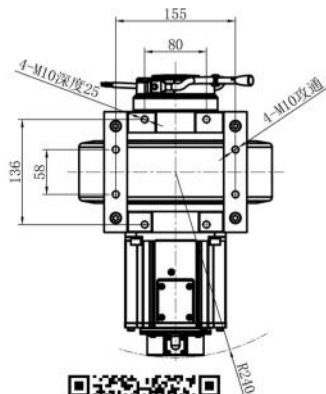
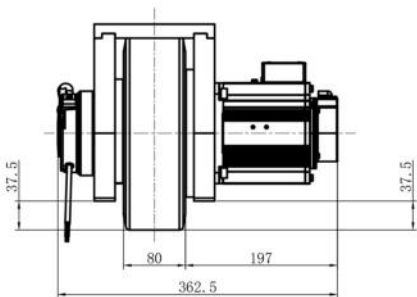
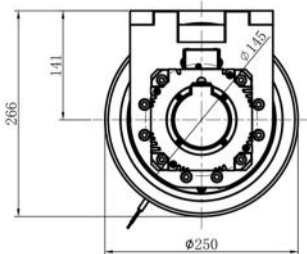
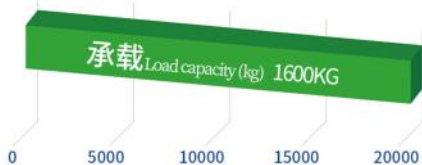
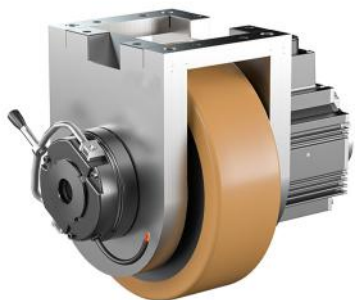
转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-250P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500/2000
电压 Voltage(V)	48
电流 Current(A)	23-46
转速 Speed(rpm)	2000
减速比 Ratio(i)	27/40
承载 Load capacity(kg)	1600
IP等级 IP grade	65

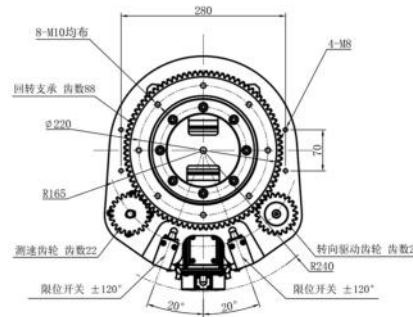
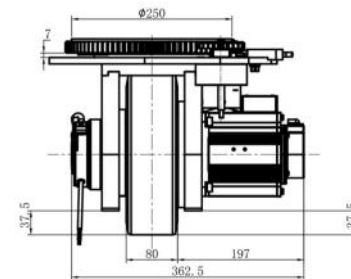
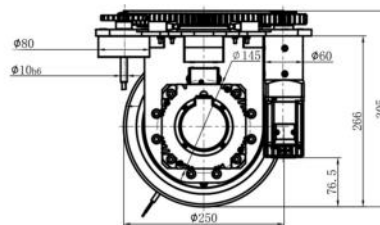


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PLT-250P 舵轮 (Drive wheel)



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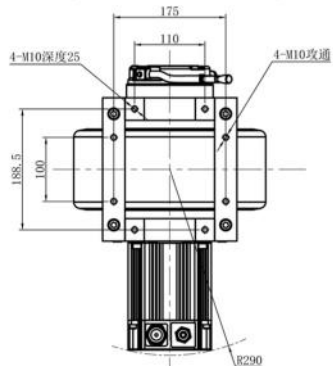
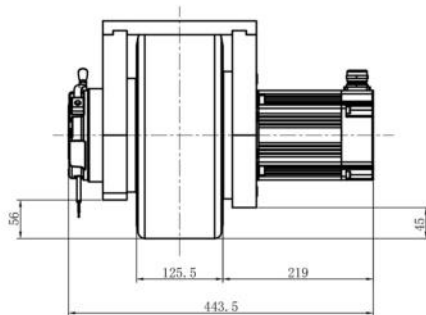
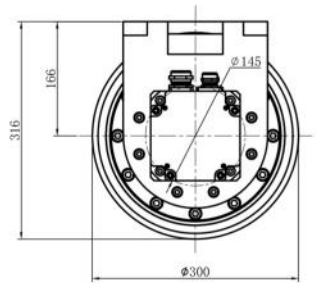
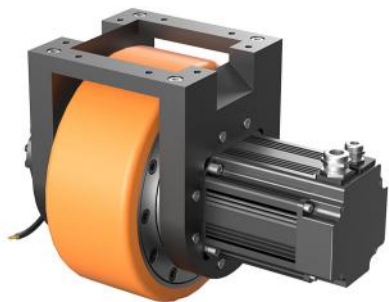
转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-300P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000/4000
电压 Voltage(V)	48
电流 Current(A)	74-96
转速 Speed(rpm)	2500
减速比 Ratio(i)	21/40
承载 Load capacity(kg)	3000
IP等级 IP grade	65

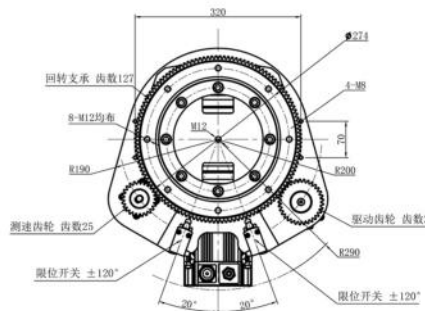
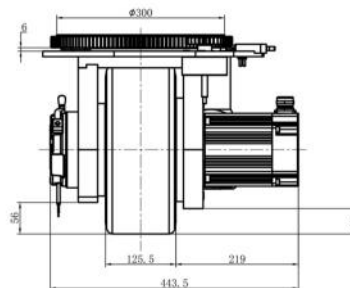
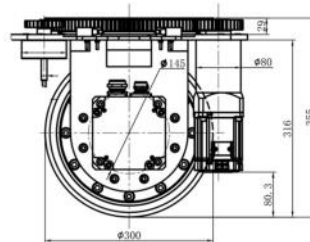


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PLT-300P 舵轮 (Drive wheel)



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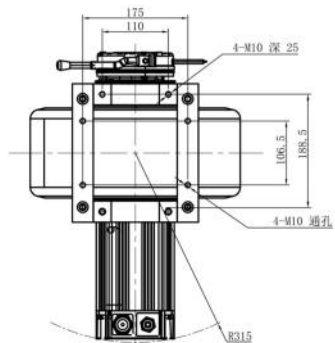
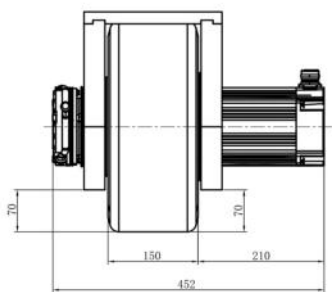
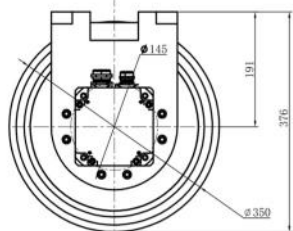
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电机类型 Series	PMAC/DC/AC
功率 Power(w)	700
电压 Voltage(V)	48
电流 Current(A)	19
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选项配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-350P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3600
电压 Voltage(V)	48
电流 Current(A)	89
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	4500
IP等级 IP grade	65

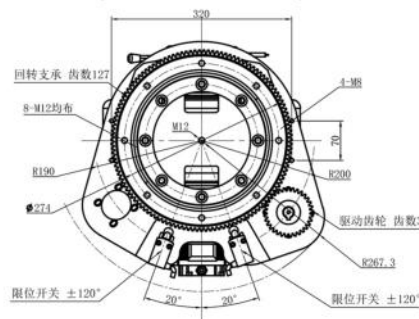
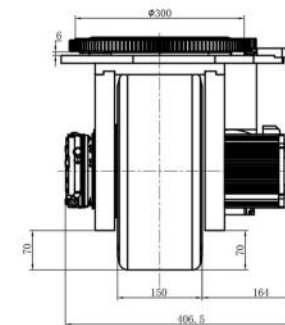
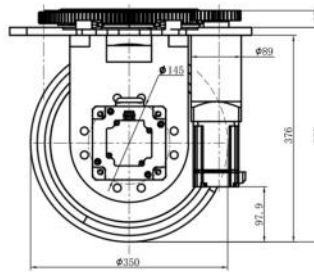


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PLT-350P 舵轮 (Drive wheel)



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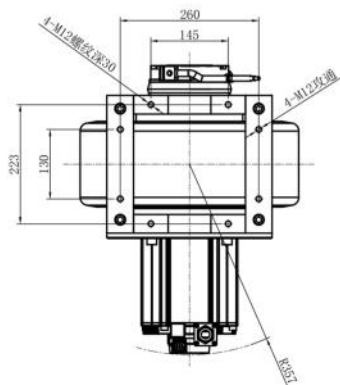
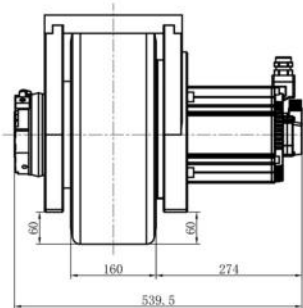
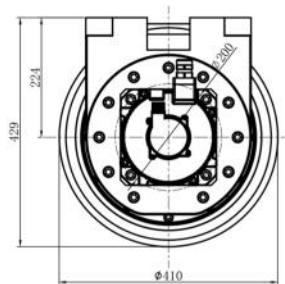
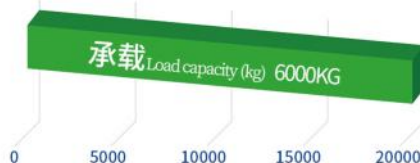
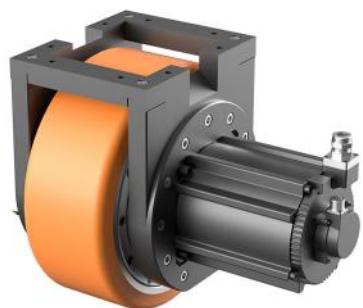
转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3600
电压 Voltage(V)	75
电流 Current(A)	61
转速 Speed(rpm)	3000
减速比 Ratio(i)	21
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-410P 行走轮 (Traction system)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	5800/7500
电压 Voltage(V)	48
电流 Current(A)	150-208
转速 Speed(rpm)	2000
减速比 Ratio(i)	40/70
承载 Load capacity(kg)	6000
IP等级 IP grade	65

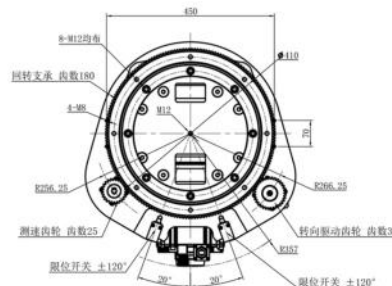
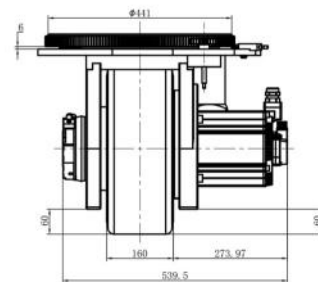
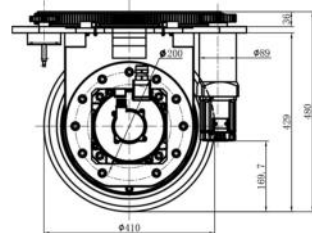


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PLT-410P 舵轮 (Drive wheel)



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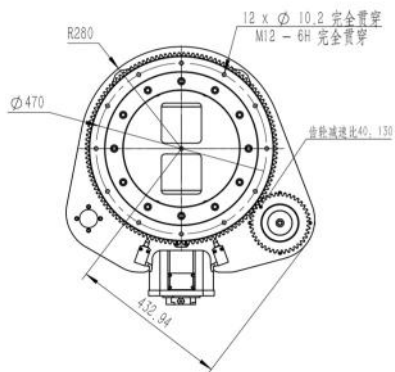
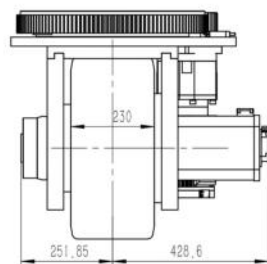
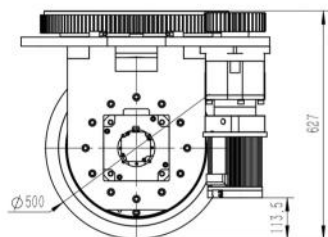
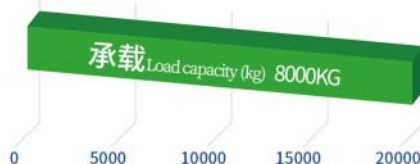
转向部分参数 Steering parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	23.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	64
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器
Limit Switch、Home Switch、External Encoder、Potentionmeter

PLT-500P 舵轮 (Drive wheel)



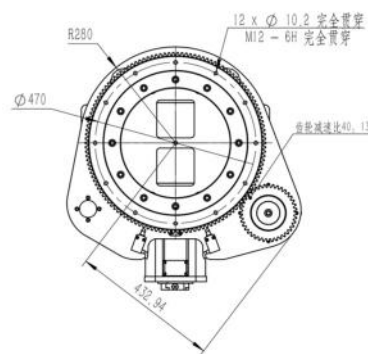
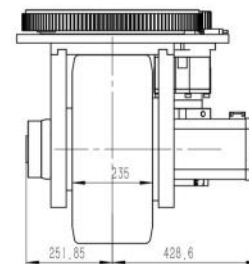
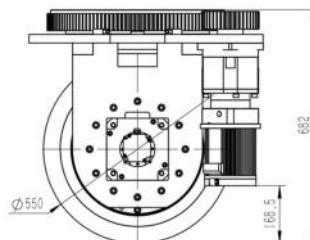
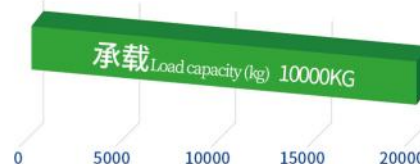
行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	7500
电压 Voltage(V)	72
电流 Current(A)	140
转速 Speed(rpm)	2000
减速比 Ratio(i)	120
承载 Load capacity(kg)	8000
IP等级 IP grade	54

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	72
电流 Current(A)	55
转速 Speed(rpm)	3000
减速比 Ratio(i)	80
IP等级 IP grade	54



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PLT-550P 舵轮 (Drive wheel)



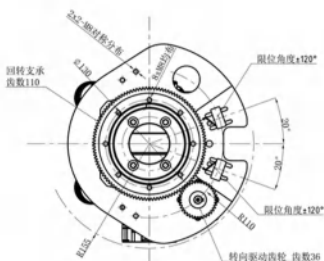
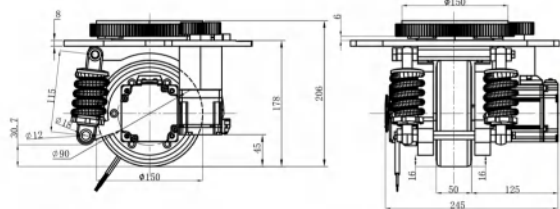
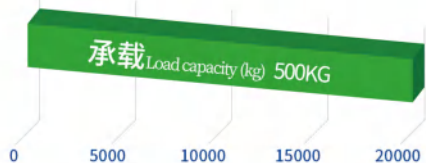
行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	7500
电压 Voltage(V)	72
电流 Current(A)	140
转速 Speed(rpm)	2000
减速比 Ratio(i)	120
承载 Load capacity(kg)	10000
IP等级 IP grade	54

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	72
电流 Current(A)	55
转速 Speed(rpm)	3000
减速比 Ratio(i)	80
IP等级 IP grade	54



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PLT-150P 舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	18
转速 Speed(rpm)	3000
减速比 Ratio(i)	21
承载 Load capacity(kg)	500
IP等级 IP grade	65

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	48
电流 Current(A)	6
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

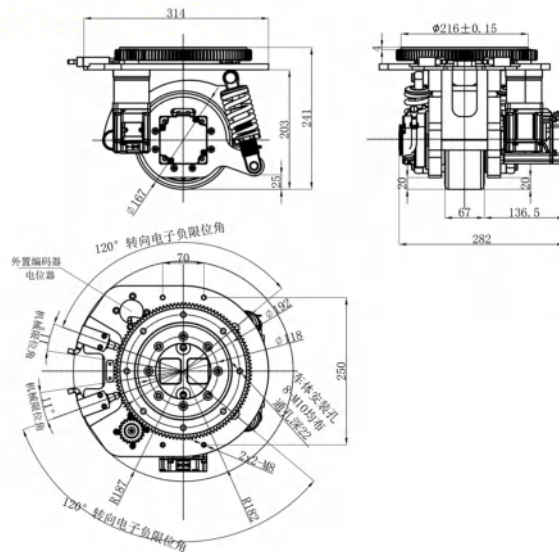
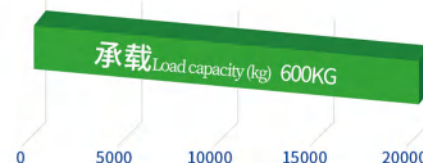
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Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-167P 舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	27
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	600
IP等级 IP grade	65

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	48
电流 Current(A)	64
转速 Speed(rpm)	3000
减速比 Ratio(i)	285
IP等级 IP grade	65

可选用配件:(Optional accessories)

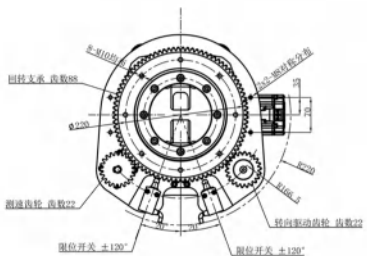
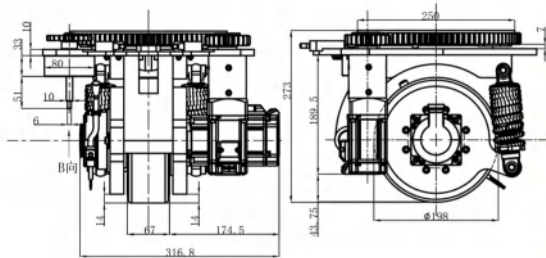
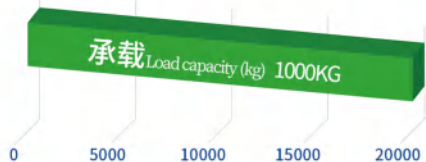
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-198P 舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500
电压 Voltage(V)	48
电流 Current(A)	40
转速 Speed(rpm)	3000
减速比 Ratio(i)	32
承载 Load capacity(kg)	1000
IP等级 IP grade	65

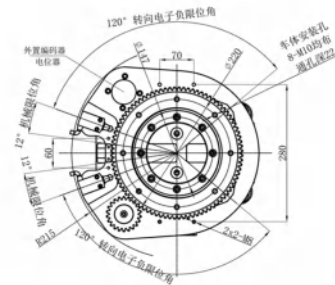
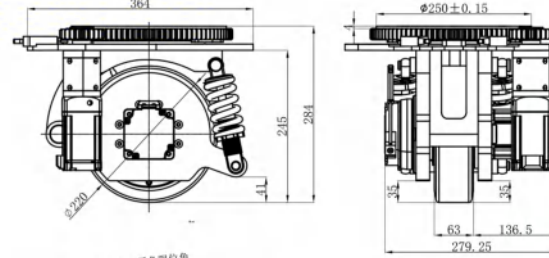
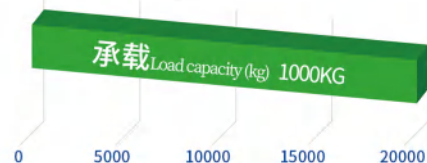
转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)
 限位开关、原点开关、外置编码器、电位器
 Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-220P 舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500
电压 Voltage(V)	48
电流 Current(A)	27
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
承载 Load capacity(kg)	1000
IP等级 IP grade	65

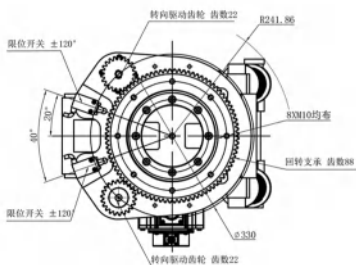
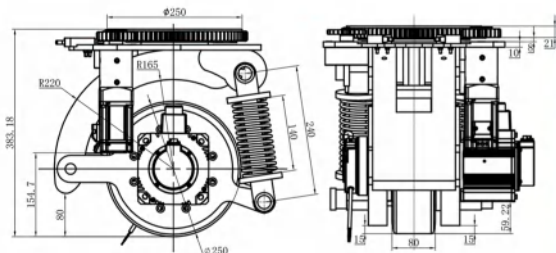
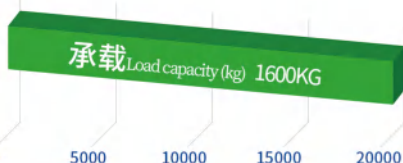
转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	11.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	200
IP等级 IP grade	65

可选用配件:(Optional accessories)
 限位开关、原点开关、外置编码器、电位器
 Limit Switch、Home Switch、External Encoder、Potentionmeter



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PLT-250P 舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500
电压 Voltage(V)	48
电流 Current(A)	35
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
承载 Load capacity(kg)	1600
IP等级 IP grade	65

转向电机参数 Steering motor parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	9.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

减震数据: (Shock absorption data)

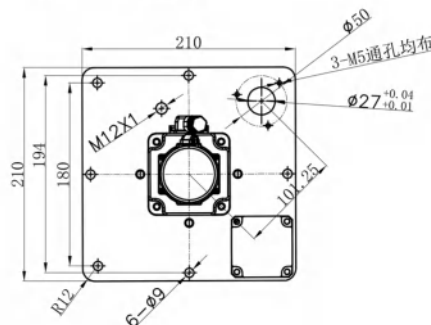
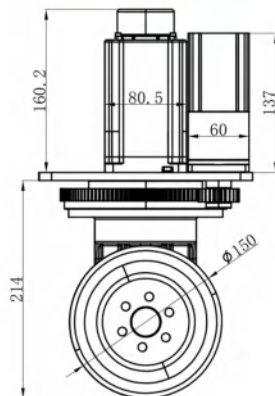
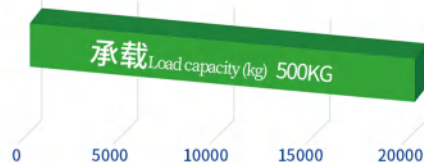
类型: 弹簧减震 Type: Spring shock absorber

弹性系数 Elastic coefficient	17.8	kg/mm
有效行程 Effective itinerary	mm	0-40



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PLT-150P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	20
转速 Speed(rpm)	3000
减速比 Ratio(i)	22.5
承载 Load capacity(kg)	500
IP等级 IP grade	65

转向电机参数 Steering motor parameters

电机类型 Series	PMAC/DC/AC
功率 Power(w)	200
电压 Voltage(V)	48
电流 Current(A)	5.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
IP等级 IP grade	65

可选用配件: (Optional accessories)

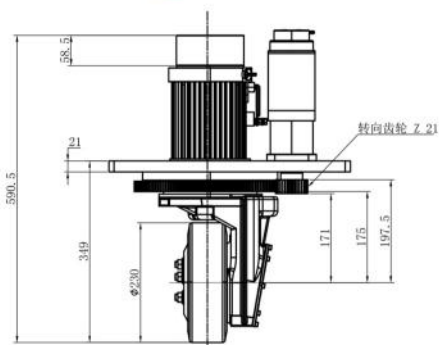
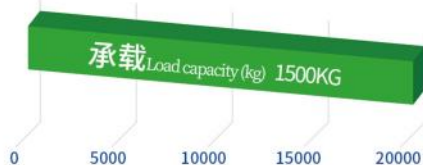
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Limit Switch、Home Switch、External Encoder、Potentionmeter



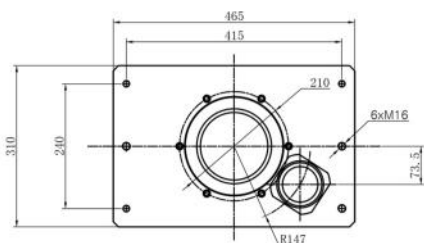
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PLT-230P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1500
电压 Voltage(V)	24/48
电流 Current(A)	34/76
转速 Speed(rpm)	2500/3200
减速比 Ratio(i)	30
承载 Load capacity(kg)	1500
IP等级 IP grade	65

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400/650
电压 Voltage(V)	24/48
电流 Current(A)	9.9/24/36
转速 Speed(rpm)	3000/3500
减速比 Ratio(i)	33.92/50
IP等级 IP grade	65



可选用配件:(Optional accessories)

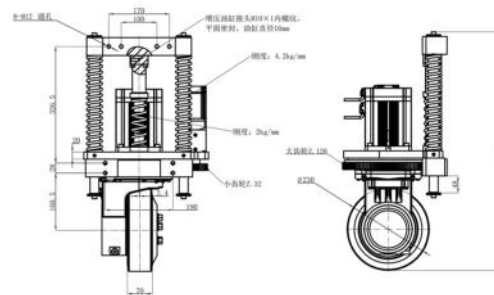
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



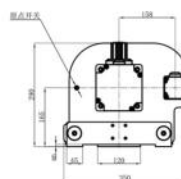
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PLT-230P 减震舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	2500
电压 Voltage(V)	48
电流 Current(A)	61
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
承载 Load capacity(kg)	1200
IP等级 IP grade	65

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	10.6
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65



可选用配件:(Optional accessories)

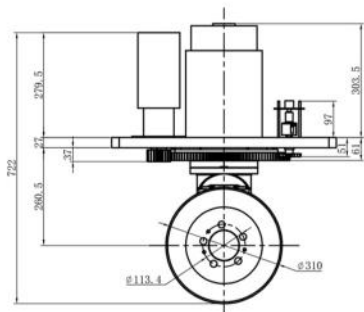
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



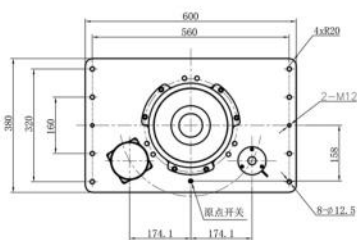
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PLT-310P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	24/48
电流 Current(A)	68/137
转速 Speed(rpm)	2500
减速比 Ratio(i)	23
承载 Load capacity(kg)	2200
IP等级 IP grade	65

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	600
电压 Voltage(V)	24/48
电流 Current(A)	15/38.5
转速 Speed(rpm)	2275/2500
减速比 Ratio(i)	45/50
IP等级 IP grade	65



可选项配件:(Optional accessories)

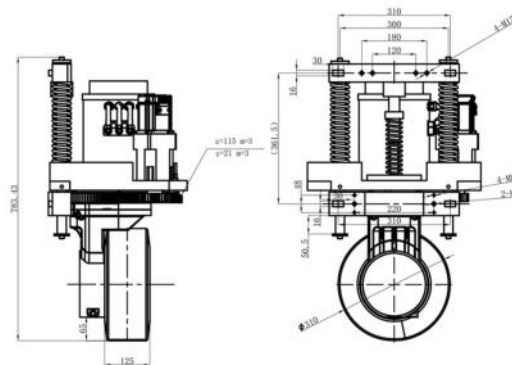
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



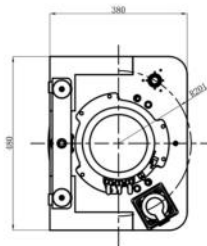
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PLT-310P 减震舵轮 (Drive wheel with shock absorber)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	3000
电压 Voltage(V)	48
电流 Current(A)	75
转速 Speed(rpm)	2500
减速比 Ratio(i)	23
承载 Load capacity(kg)	2500
IP等级 IP grade	54

转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	750
电压 Voltage(V)	48
电流 Current(A)	19.9
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65



可选项配件:(Optional accessories)

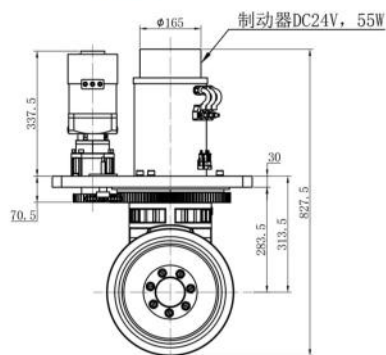
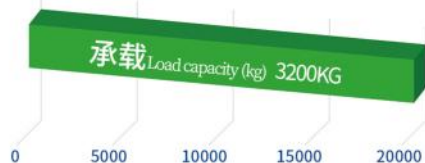
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter

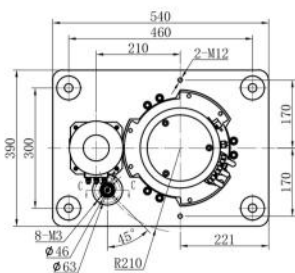


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PLT-343P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	6500
电压 Voltage(V)	48
电流 Current(A)	180
转速 Speed(rpm)	2800
减速比 Ratio(i)	20.2
承载 Load capacity(kg)	3200
IP等级 IP grade	65



转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1200
电压 Voltage(V)	48
电流 Current(A)	33
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

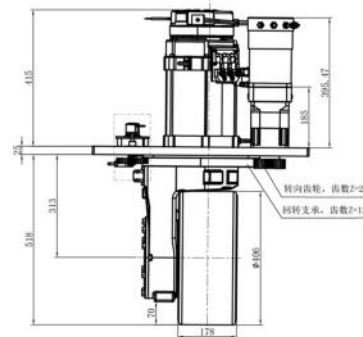
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter

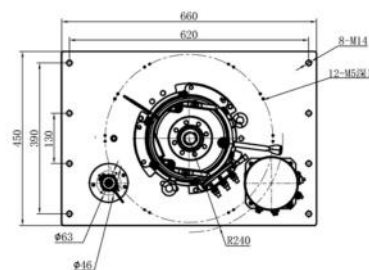


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PLT-406P 舵轮 (Drive wheel)



行走轮部分参数 Traction parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	8000
电压 Voltage(V)	48
电流 Current(A)	207
转速 Speed(rpm)	1420
减速比 Ratio(i)	24
承载 Load capacity(kg)	6000
IP等级 IP grade	65



转向电机参数 Steering motor parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	2000
电压 Voltage(V)	48
电流 Current(A)	57
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
IP等级 IP grade	65

可选用配件:(Optional accessories)

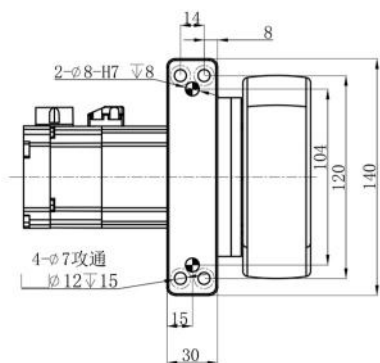
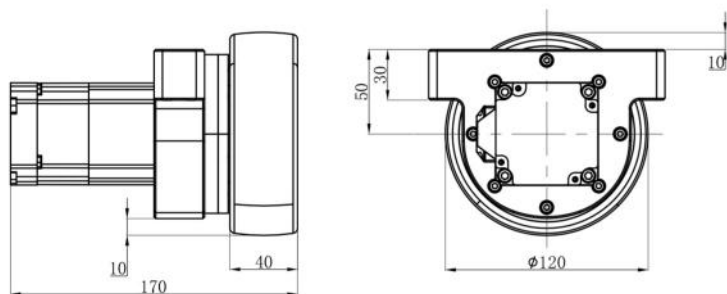
限位开关、原点开关、外置编码器、电位器

Limit Switch、Home Switch、External Encoder、Potentionmeter



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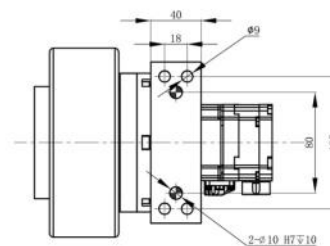
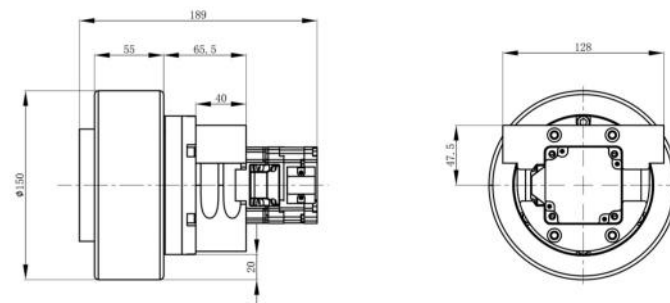
PLT-120P401SP



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电机类型 Series	伺服 PMAC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	11.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	9
承载 Load capacity(kg)	150
IP等级 IP grade	65

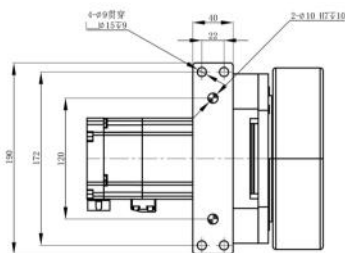
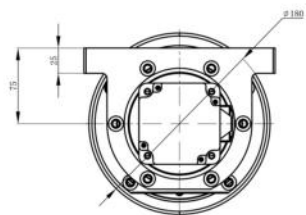
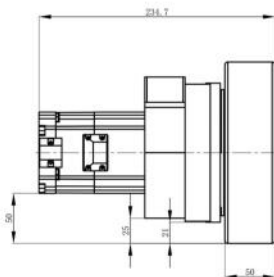
PLT-150P401SP



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电机类型 Series	伺服 PMAC
功率 Power(w)	400
电压 Voltage(V)	24
电流 Current(A)	22
转速 Speed(rpm)	3000
减速比 Ratio(i)	15
承载 Load capacity(kg)	450
IP等级 IP grade	54

PLT-180P751SP

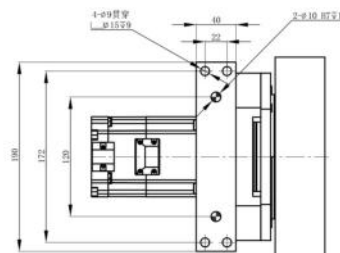
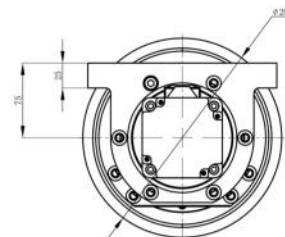
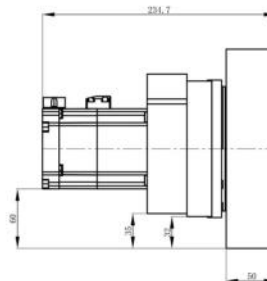
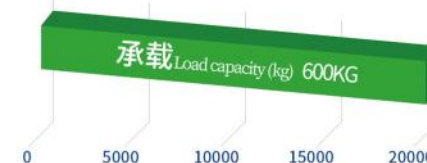


电机类型Series	伺服PMAC
功率 Power(w)	750
电压 Voltage(V)	40
电流Current(A)	19.6
转速Speed(rpm)	3000
减速比Ratio(i)	15
承载 Load capacity(kg)	600
IP等级IP grade	65



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PLT-200P751SP

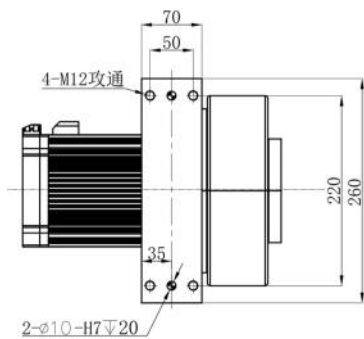
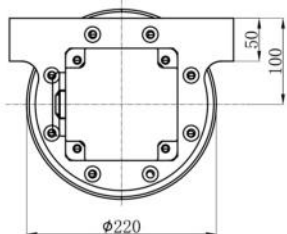
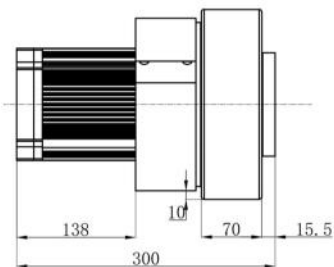


电机类型Series	伺服PMAC
功率 Power(w)	750
电压 Voltage(V)	48
电流Current(A)	19.6
转速Speed(rpm)	3000
减速比Ratio(i)	15
承载 Load capacity(kg)	600
IP等级IP grade	65



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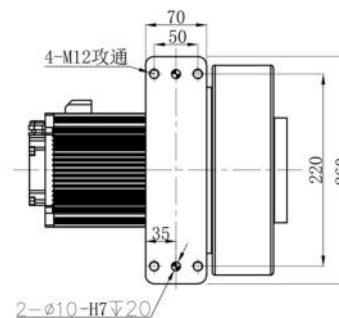
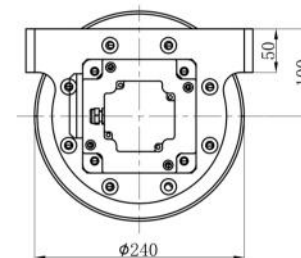
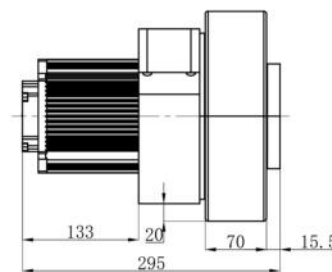
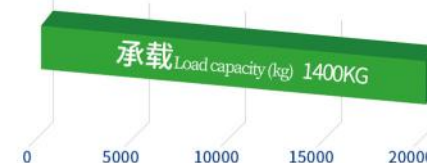
PLT-220P152SP



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电机类型Series	伺服PMAC
功率 Power(w)	1500
电压 Voltage(V)	48
电流Current(A)	45
转速Speed(rpm)	3000
减速比Ratio(i)	15/30
承载 Load capacity(kg)	1400
IP等级IP grade	65

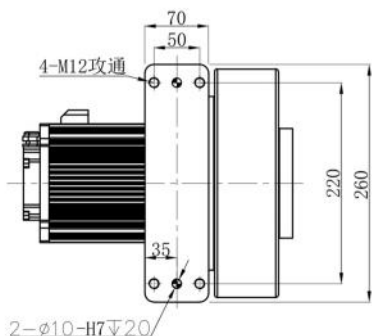
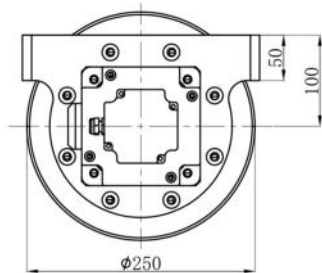
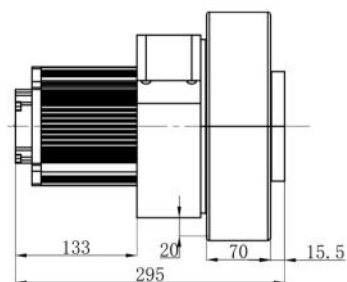
PLT-240P152SP



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电机类型Series	伺服PMAC
功率 Power(w)	750
电压 Voltage(V)	48
电流Current(A)	19.6
转速Speed(rpm)	3000
减速比Ratio(i)	15
承载 Load capacity(kg)	600
IP等级IP grade	65

PLT-250P152SP

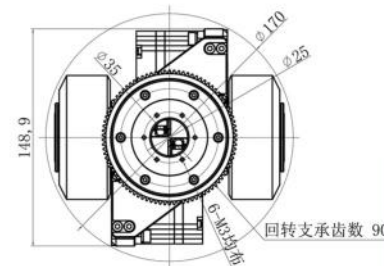
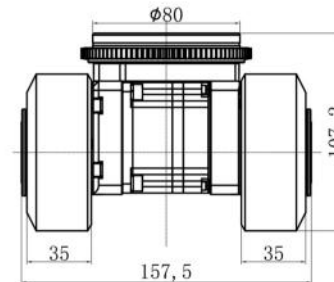
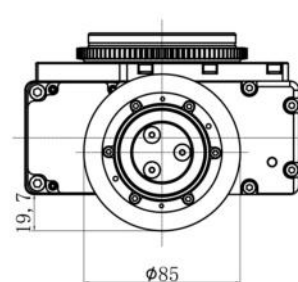
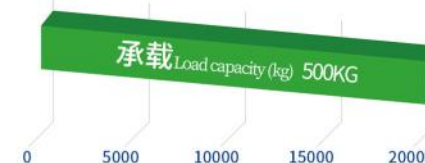


电机类型 Series	伺服 PMAC
功率 Power(w)	1500
电压 Voltage(V)	48
电流 Current(A)	45
转速 Speed(rpm)	3000
减速比 Ratio(i)	15/30
承载 Load capacity(kg)	1400
IP等级 IP grade	65



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PLT-85-D

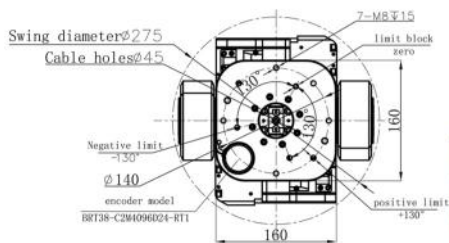
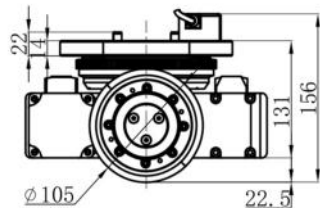
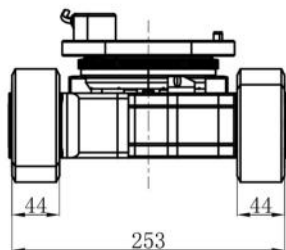


电机类型 Series	伺服 PMAC
功率 Power(w)	500
电压 Voltage(V)	48
电流 Current(A)	5.3
转速 Speed(rpm)	3000
减速比 Ratio(i)	8
承载 Load capacity(kg)	500
IP等级 IP grade	54



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PLT-105-D

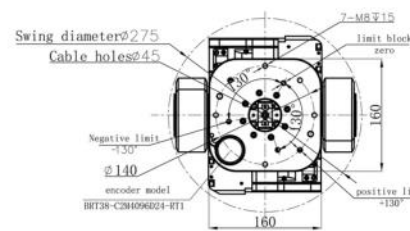
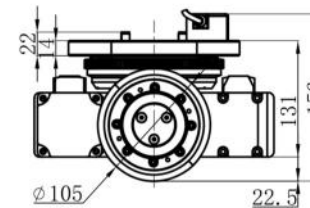
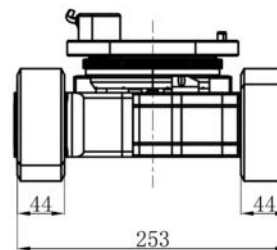
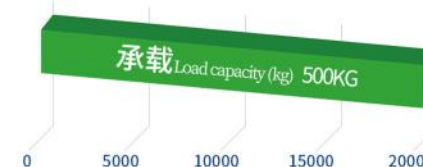


电机类型 Series	伺服 PMAC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	20
转速 Speed(rpm)	3000
减速比 Ratio(i)	11
承载 Load capacity(kg)	800
IP等级 IP grade	65



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PLT-120-D

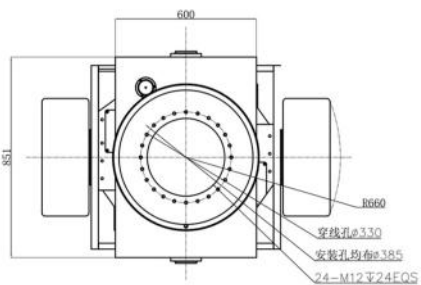
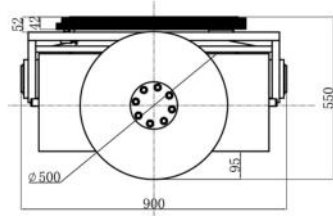
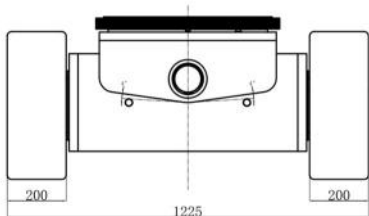


电机类型 Series	伺服 PMAC
功率 Power(w)	500
电压 Voltage(V)	48
电流 Current(A)	5.3
转速 Speed(rpm)	3000
减速比 Ratio(i)	8
承载 Load capacity(kg)	500
IP等级 IP grade	54



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PLT-500-D

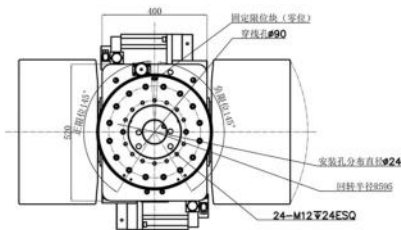
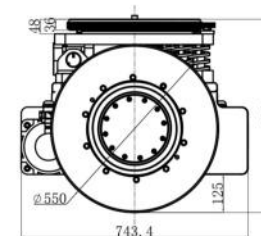
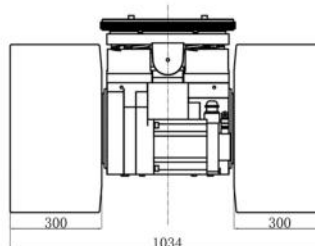


电机类型 Series	伺服 PMAC
功率 Power(w)	5500
电压 Voltage(V)	48
电流 Current(A)	135
转速 Speed(rpm)	1500
减速比 Ratio(i)	70
承载 Load capacity(kg)	20000
IP等级 IP grade	54



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PLT-550-D

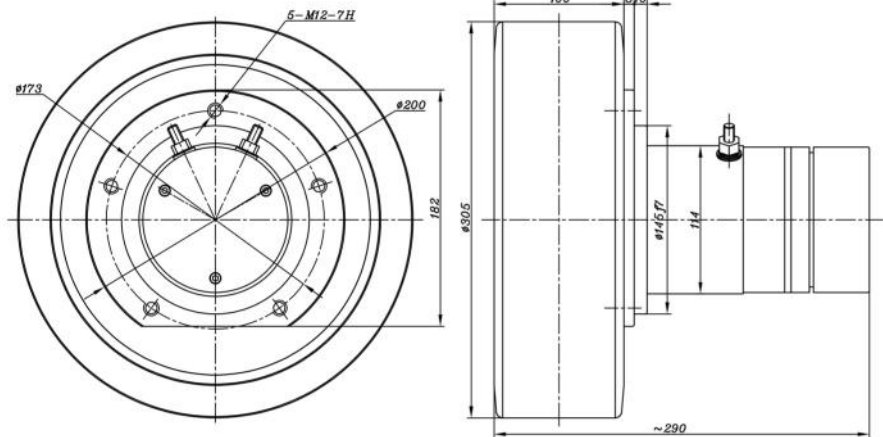


电机类型 Series	伺服 PMAC
功率 Power(w)	5500
电压 Voltage(V)	48
电流 Current(A)	135
转速 Speed(rpm)	1500
减速比 Ratio(i)	80
承载 Load capacity(kg)	23000
IP等级 IP grade	54



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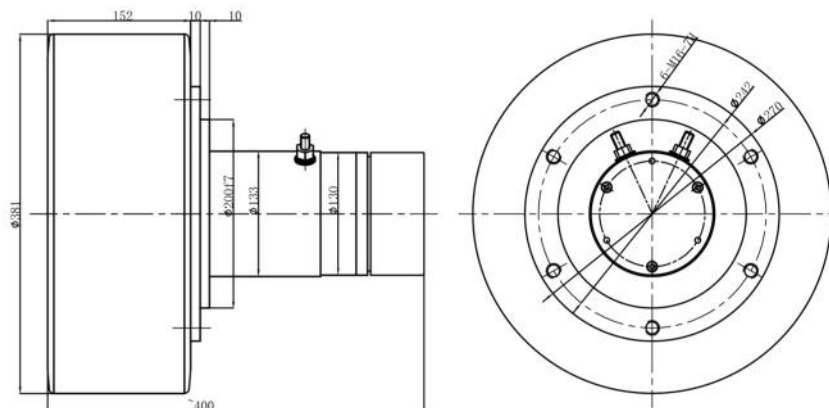
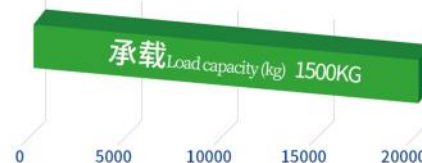
PLT-305P500D



扫二维码下载图纸
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电机类型 Series	DC
功率 Power(w)	500
电压 Voltage(V)	24
电流 Current(A)	20.8
转速 Speed(rpm)	2200
减速比 Ratio(i)	29
承载 Load capacity(kg)	600
IP等级 IP grade	65

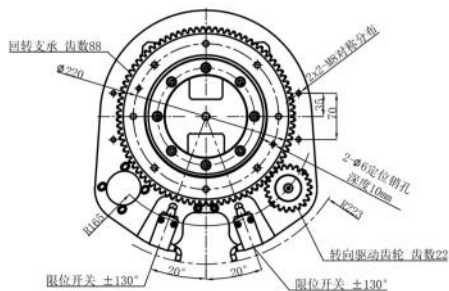
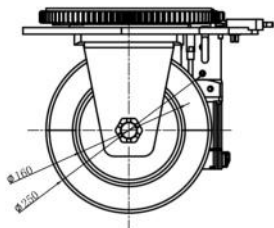
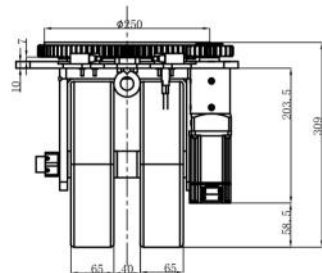
PLT-381P1500A



扫二维码下载图纸
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电机类型 Series	AC
功率 Power(w)	1500
电压 Voltage(V)	24
电流 Current(A)	84
转速 Speed(rpm)	2250
减速比 Ratio(i)	37
承载 Load capacity(kg)	1500
IP等级 IP grade	44

PLT-250P400SP 电动转向轮 (Electric drive wheel)



转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	10.6
转速 Speed(rpm)	3000
减速比 Ratio(i)	50
承载 Load capacity(kg)	2000
IP等级 IP grade	54

可选项配件: (Optional accessories)

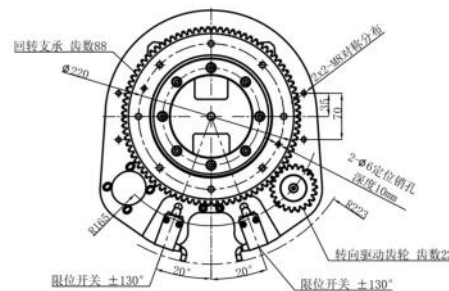
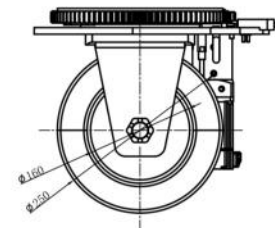
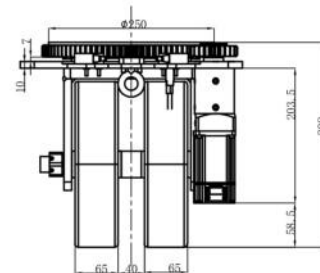
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



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PLT-304-HS 电动转向轮 (Electric drive wheel)



转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	28
转速 Speed(rpm)	3000
减速比 Ratio(i)	100
承载 Load capacity(kg)	6000
IP等级 IP grade	65

可选项配件: (Optional accessories)

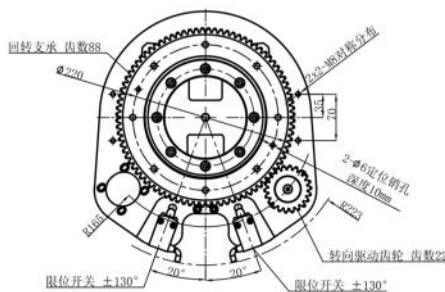
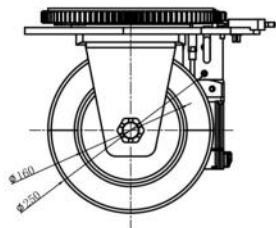
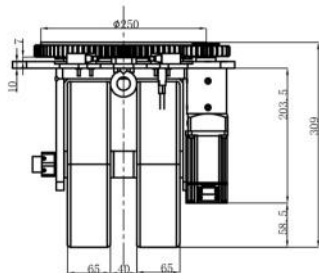
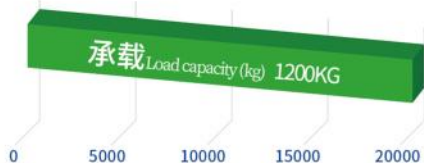
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



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PLT250P122SP防爆驱动轮 (Explosion proof drive wheel)



转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1200
电压 Voltage(V)	48
电流 Current(A)	29.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
承载 Load capacity(kg)	1200
IP等级 IP grade	65

可选用配件:(Optional accessories)

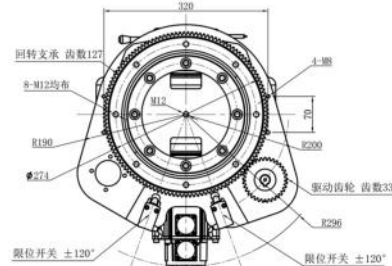
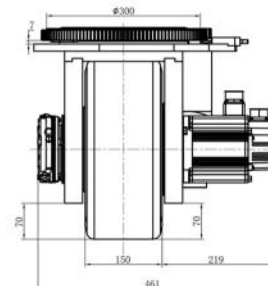
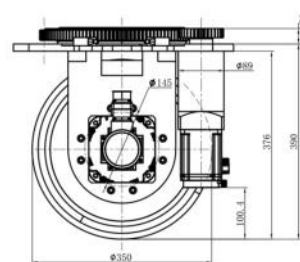
限位开关、原点开关、外置编码器、电位器

Limit Switch, Home Switch, External Encoder, Potentionmeter



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PLT-350P3600SP防爆驱动轮 (Explosion proof drive wheel)



转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	220
电流 Current(A)	5.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	64
承载 Load capacity(kg)	4500
IP等级 IP grade	65

可选用配件:(Optional accessories)

限位开关、原点开关、外置编码器、电位器

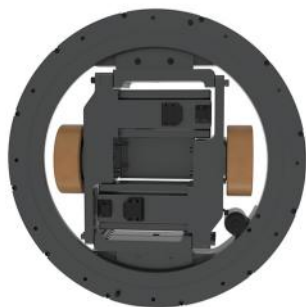
Limit Switch, Home Switch, External Encoder, Potentionmeter



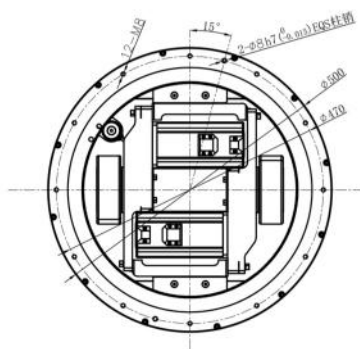
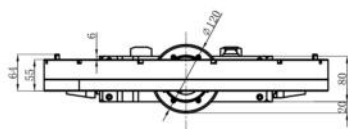
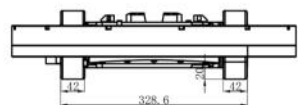
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PLT-120-DD差速轮组底盘

(Dual differential drive wheel chassis)



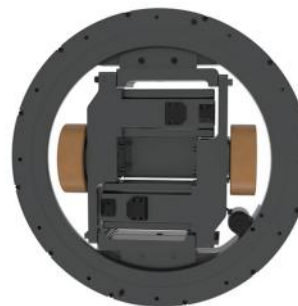
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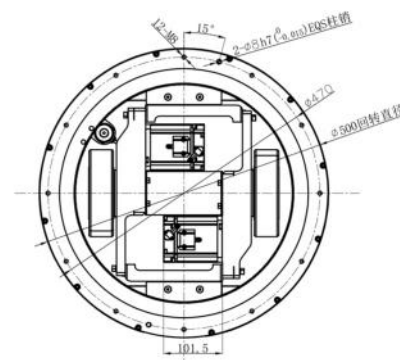
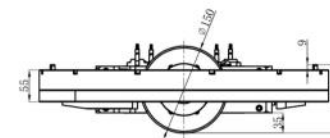
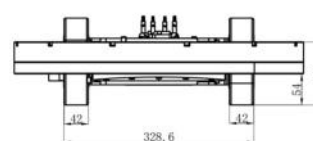
转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	25
转速 Speed(rpm)	3000
减速比 Ratio(i)	27
IP等级 IP grade	54

PLT-150-DD差速轮组底盘

(Dual differential drive wheel chassis)

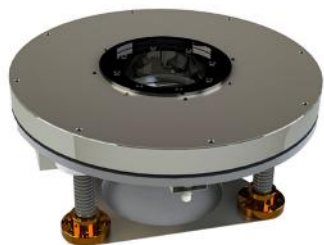


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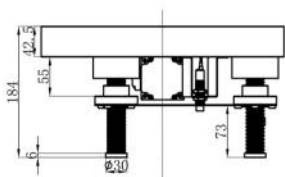
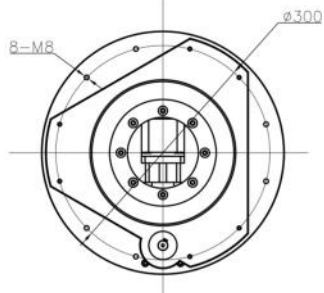
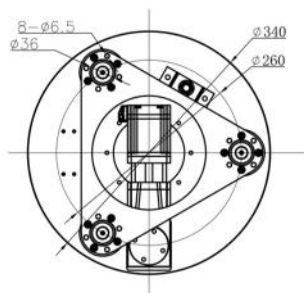


转向部分参数 Steering parameters	
电机类型 Series	PMAC/DC/AC
功率 Power(w)	1000
电压 Voltage(V)	220
电流 Current(A)	5.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	64
IP等级 IP grade	65

PLT-DSJG300-60-400 顶升总成 (Lifting system)



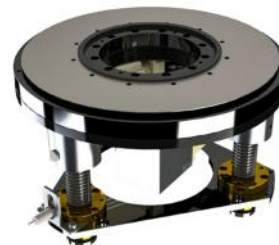
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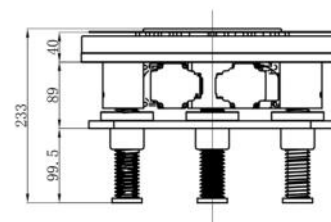
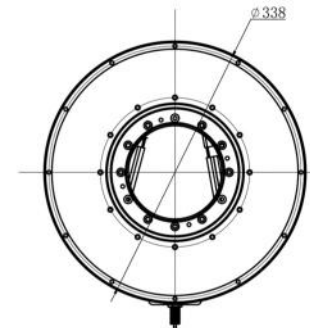
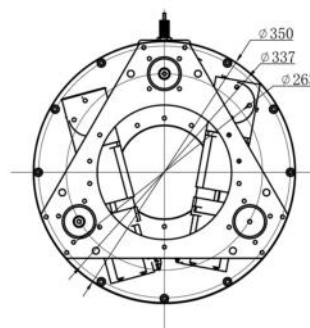
转向部分参数 Steering parameters	
电机类型 Series	PMAC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	11.95
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
IP等级 IP grade	65

TEC DSJG 数字 Number 60 数字 Number
 伺服电机功率 Drive motor power
 顶升行程 Lifting length
 载重重量 Installation height
 顶升总成 Lifting system
 江苏亿控智能装备有限公司 Jiangsu Yikong Intelligent Equipment Co., Ltd.

PLT-DSJG500-60-400 顶升机构 (Lifting system)

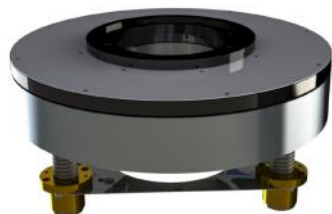


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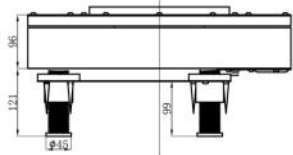
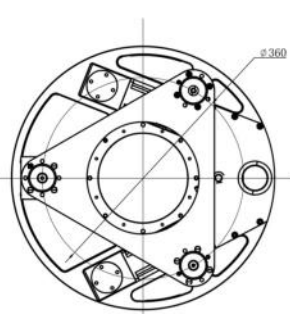
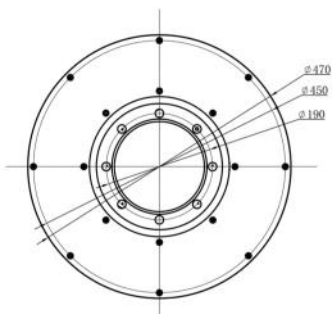


转向部分参数 Steering parameters	
电机类型 Series	PMAC
功率 Power(w)	400
电压 Voltage(V)	48
电流 Current(A)	11.95
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
IP等级 IP grade	65

PLT-DSJG1000-60-600 顶升机构 (Lifting system)

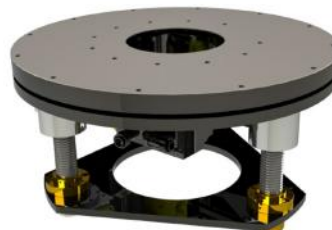


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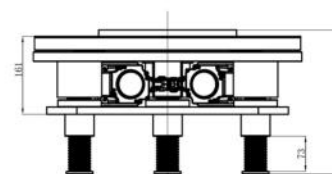
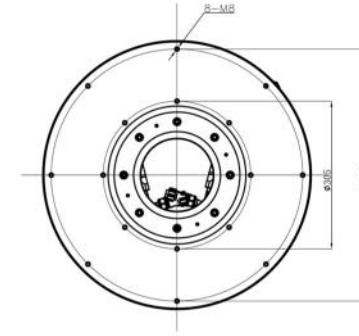
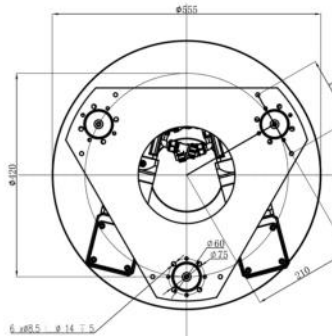


转向部分参数 Steering parameters	
电机类型 Series	PMAC
功率 Power(w)	600
电压 Voltage(V)	48
电流 Current(A)	16.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	30
IP等级 IP grade	65

PLT-DSJG1500-100-1500 顶升机构 (Lifting system)

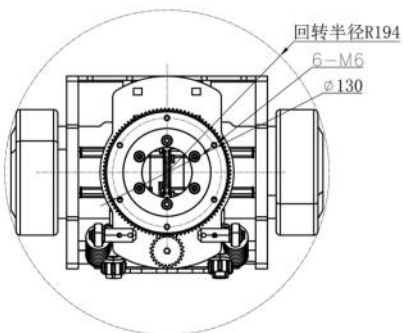
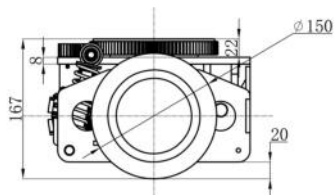
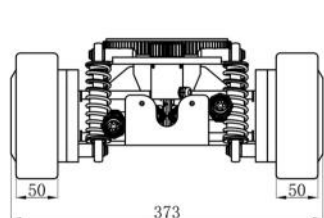


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转向部分参数 Steering parameters	
电机类型 Series	PMAC
功率 Power(w)	1000
电压 Voltage(V)	48
电流 Current(A)	26.4
转速 Speed(rpm)	3000
减速比 Ratio(i)	40
IP等级 IP grade	54

PLT-150-D

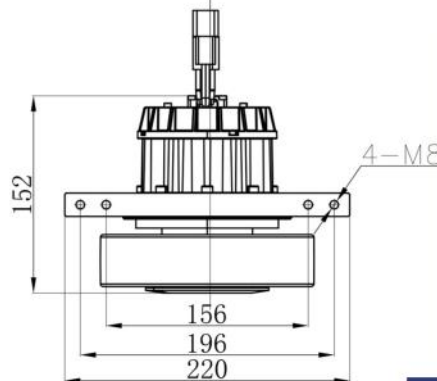
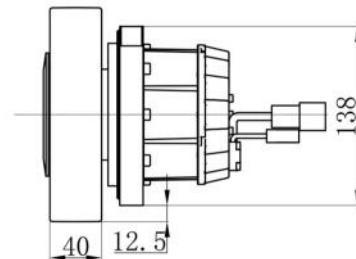
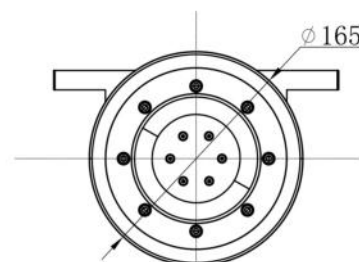
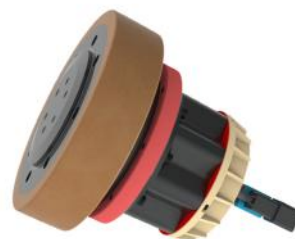


电机类型 Series	伺服 PMAC
功率 Power(w)	600
电压 Voltage(V)	48
电流 Current(A)	17.5
转速 Speed(rpm)	3000
减速比 Ratio(i)	14.3
承载 Load capacity(kg)	800
IP等级 IP grade	54



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PLT-165伺服一体轮 Servo integrated wheel



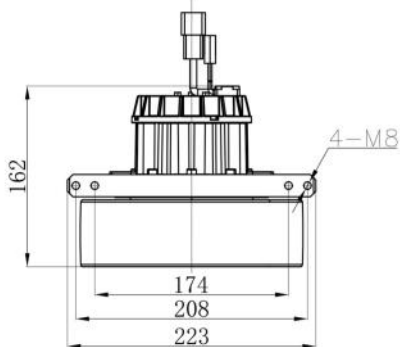
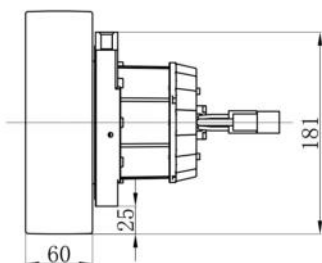
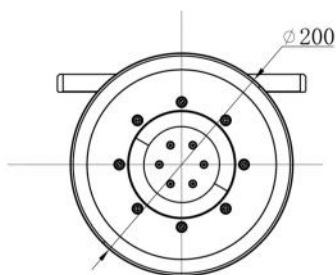
电机类型 Series	伺服 PMAC
功率 Power(w)	500
电压 Voltage(V)	48
电流 Current(A)	17.2
转速 Speed(rpm)	2000
减速比 Ratio(i)	9
承载 Load capacity(kg)	300
IP等级 IP grade	54



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电气参数 Electrical parameters	
通讯 Interface	CAN
反馈 Feedback	17位单圈磁电编码器 17 bit single coil magneto electric encoder
额定电流 Power(A)	20
峰值电流 Voltage(A)	60

PLT-200伺服一体轮 Servo integrated wheel



电机类型 Series	伺服 PMAC
功率 Power(w)	600
电压 Voltage(V)	48
电流 Current(A)	20
转速 Speed(rpm)	2000
减速比 Ratio(i)	9
承载 Load capacity(kg)	400
IP等级 IP grade	54



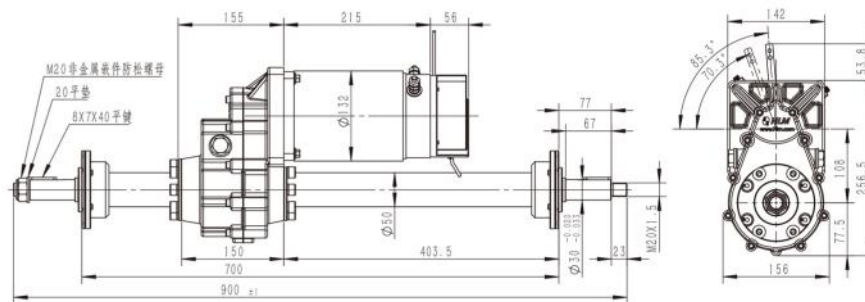
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电气参数 Electrical parameters	
通讯 Interface	CAN
反馈 Feedback	17位单圈磁电编码器 17 bit single coil magneto electric encoder
额定电流 Power(A)	20
峰值电流 Voltage(A)	60

PLT05B



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技术参数(Technical parameters)

速比 (Ratio) : 25:1、40:1

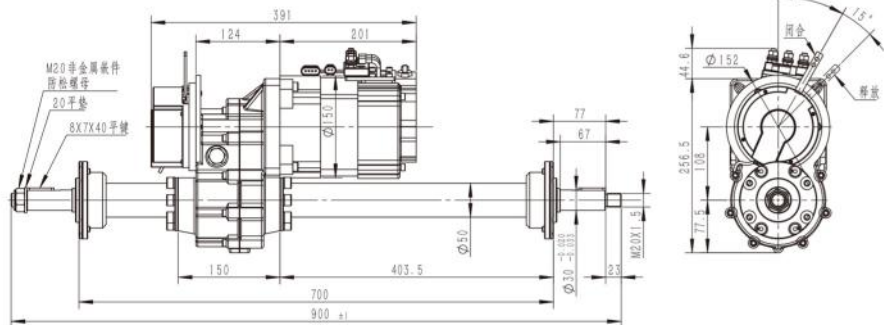
电机 (Motor) :DC132LUA-1500W-36V-3500r/min

刹车 (Brake) : 12NM (wanner)

PLTS05BQ



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技术参数(Technical parameters)

速比 (Ratio) : 25:1、40:1

刹车 (Brake) : 12NM (wanner)

电机 (Motor) : AC2.2KW-24V-2800/5000r/min

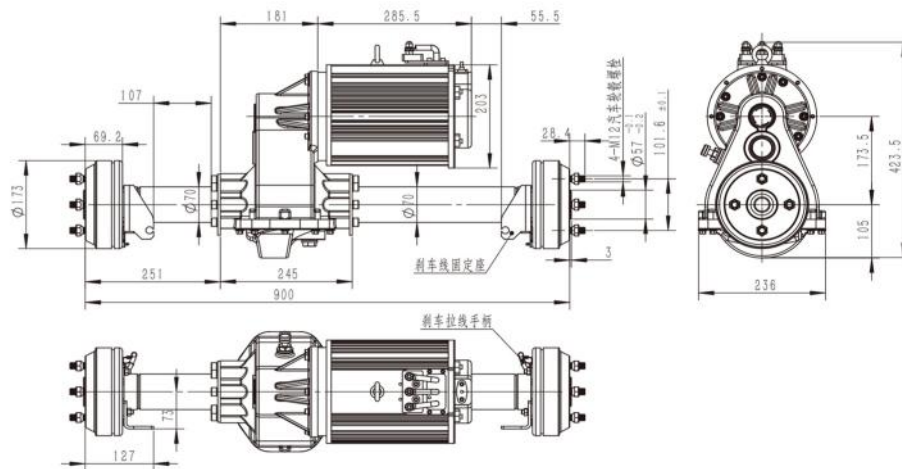
AC2.2KW-36V-2800/5000r/min

AC2.2KW-48V-2800/5000r/min

PLTD24



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技术参数(Technical parameters)

速比 (Ratio) : 24:1、12:1

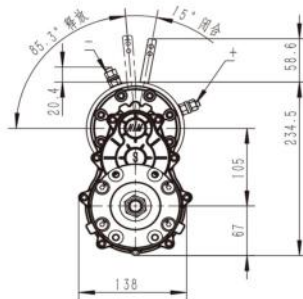
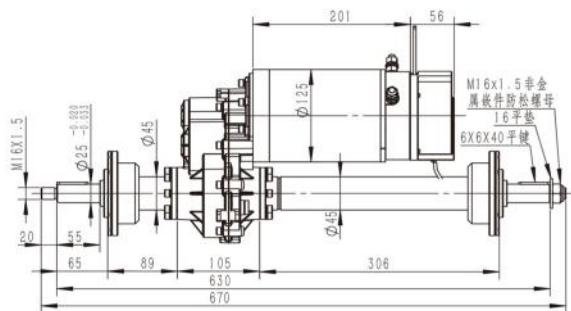
刹车 (Brake) : 160液压鼓刹

电机 (Motor) : AC5KW-48V-2800/5000r/min

PLTS1



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技术参数(Technical parameters)

速比 (Ratio) : 13:1、24:1、33:1
刹车 (Brake) : 12NM (wanner)

电机 (Motor) : DC125LUYA-1000W-24V-3200r/mir



Drive wheel selection table

Please fill in this below table, then our technical can recommend the exact item for you:

Vehicle Type: towing piggyback other: _____

AGV Quantities: _____

supply voltage: 24V 48V 72V other:_____

Structure of Drive wheel: Horizontal Vertical differential

Traction Part:

Motor Type: DC brushed AC asynchronous Servo

feedback type: incremental absolute

With steering motor or not: Yes No

Steering Part:

Motor Type: DC brushed AC asynchronous Servo

feedback type: incremental absolute

Number of drives per vehicle: 1pc 2pcs 3pcs 4pcs other:_____

Number of Casters per vehicle: 2pcs 3pcs 4pcs other:_____

Wheel diameter requirement: _____ mm

Vehicle only weight: _____ KGS

Vehicle+load weight: _____ KGS

Gradient: _____ %

the length of slope: _____ m

Vehicle speed on flat: _____ km/h

Vehicle speed on slope: _____ km/h

Maximum full load speed _____ km/h

Minimum full load speed _____ km/h

Protection level requirements IP: _____ no

Duty cycle: S1 S2: 60 min

Please note other special requirements if you have : _____

Machinery selection calculation

P:Motor power(KW)

T:Motor torque(Nm)

N:Motor output speed(r/min)

n:Motor speed(r/min)

f:Power frequency(Hz)

p:Polar logarithm

n_1 :Pinion speed(rpm)

n_2 :Large gear speed(rpm)

Z_1 :Number of pinion teeth

Z_2 :Number of teeth of large gear

T_1 :Pinion torque(Nm)

T_2 :Large gear torque(Nm)

i:Gear ratio

$$P = T \frac{N}{9550}$$

$$n = 60 \frac{f}{p}$$

$$\frac{n_1}{n_2} = \frac{Z_2}{Z_1} = \frac{T_2}{T_1}$$

Speed is inversely proportional to gear
Torque is proportional to gear

$$i = \frac{n_1}{n_2} = \frac{Z_2}{Z_1}$$

Slope conversion

3%=1.72° 10%=5.7°

5%=2.86° 15%=8.5°

Steering torque calculation of steering wheel

μ :Statioc friction coefficient(0.3~0.5)

m:Mass(kg)

g:Gravity coefficient

L:Wheel width(mm)

T:Torque required for steering(Nm)

$T_{\text{总}}$:Total steering torque(Nm)

$T_{\text{行}}$:Running wheel torque(Nm)

T_3 :Steering motor torque(Nm)

T_4 :Walking motor torque(Nm)

ω :Steering angular speed(°/sec)

η_1 :Steering reducer efficiency

η_2 :Steering mechanism efficiency

v:Driving wheel speed(m/min)

D:Wheel diameter(mm)

$$T = \frac{FL}{2} \times \frac{1}{1000}$$

$$F = \mu \cdot m \cdot g$$

$$T_{\text{总}} = i \frac{T_3 Z_2}{Z_1} \times \eta_1 \eta_2$$

$$T_3 = 9550 \frac{P}{N}$$

$$\omega = 6 \frac{N}{i} \times \frac{Z_1}{Z_2}$$

$$v = \frac{N}{i} \times \frac{D\pi}{1000}$$

$$T_{\text{行}} = T_4 \cdot i \cdot \eta_1$$

卧式舵轮选型表 Selection Table for Horizontal drive Wheel

		行走部分 Traction system section									转向部分 Drive wheel section						
系列	型号	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)	最大扭矩 (Nm)	最大承载 (Kg)	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)
Series	Model	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)	Maximum torque (Nm)	Maximum load capacity (kg)	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)
PLT-150	PLT150P751SP30-21-2H/22HS	48	750	18	3000	2.4	21	40	114	600	48	100	4	3000	0.32	50	13
	PLT150P102SP30-21-2H/22HS	48	1000	27	3000	3.2	21	54	14	600	48	200	6.4	3000	0.64	50	28
PLT-167	PLT167P401SP30-21-1H/11HS	24	400	18.4	3000	1.27	21	23	69	800	24	100	9	3000	0.32	50	13
	PLT167P401SP30-32-1H/11HS	24	400	18.4	3000	1.27	32	35	105	800	24	100	9	3000	0.32	50	13
	PLT167P751SP30-21-2H/22HS	48	750	18	3000	2.4	21	40	120	800	48	200	6.4	3000	0.64	50	28
	PLT167P102SP30-32-2H/22HS	48	1000	26.4	3000	3.18	32	88	240	800	48	200	6.4	3000	0.64	50	28
PLT-198	PLT198P302SP30-32-2H/22HS	48	3000	68	3000	9.55	32	260	576	1500	48	400	9.9	3000	1.27	50	54
PLT-220	PLT198P302SP30-32-2H/22HS	48	750	18	3000	2.4	28	58	174	1000	48	200	8.3	3000	0.64	50	28
	PLT220P751SP30-28-2H/22HS	48	750	18	3000	2.4	40	82	246	1000	48	200	8.3	3000	0.64	50	28
	PLT220P102SP30-40-2H/22HS	48	1000	26.4	3000	3.18	40	102	306	1000	48	200	5.7	3000	0.64	50	28
PLT-250	PLT250P152SP20-27-2H/22HS	48	1500	35	2000	7.16	27	165	480	1600	48	400	9.9	3000	1.27	50	54
	PLT250P152SP20-40-2H/22HS	48	1500	35	2000	7.16	40	245	735	1600	48	400	9.9	3000	1.27	50	54
	PLT250P152SP20-27-2H/22HS	48	2000	50	2000	9.55	27	220	480	1600	48	400	9.9	3000	1.27	50	54
	PLT250P152SP20-27-2H/22HS	48	2000	50	2000	9.55	40	325	880	1600	48	400	9.9	3000	1.27	50	54
PLT-270	PLT270P252SP20-28-2H/22HS	48	2500	55	2000	11.9	28	284	872	2000	48	750	19	3000	2.4	50	102
	PLT270P252SP20-40-2H/22HS	48	2500	55	2000	11.9	40	405	1040	2000	48	750	19	3000	2.4	50	102
PLT-300	PLT300P302SP25-21-2H/22HS	48	3000	74	2500	12	21	214	642	3000	48	750	19	3000	2.4	50	102
	PLT300P302SP25-40-2H/22HS	48	3000	74	2500	12	40	408	1080	3000	48	750	19	3000	2.4	50	102
	PLT300P402SP25-21-2H/22HS	48	4000	96	2500	15	21	268	780	3000	48	750	19	3000	2.4	50	102
	PLT300P402SP25-40-2H/22HS	48	4000	96	2500	15	40	510	1080	3000	48	750	19	3000	2.4	50	102
PLT-410	PLT410P582SP20-40-2H/22HS	48	5800	150	2000	27	40	918	3060	6000	48	1000	23.5	3000	3.2	64	174
	PLT410P582SP20-70-2H/22HS	48	5800	150	2000	27	70	1610	3060	6000	48	1000	23.5	3000	3.2	64	174
	PLT410P752SP20-40-2H/22HS	48	7500	208	2000	35	40	1190	2980	6000	48	1000	23.5	3000	3.2	64	174
	PLT410P752SP20-70-2H/22HS	48	7500	208	2000	35	70	2080	3060	6000	48	1000	23.5	3000	3.2	64	174
PLT-500	PLT500P752SP20-120-3H/3HS	72	7500	140	2000	35.8	120	3650	6400	8000	72	3000	55	3000	9.55	80	649
PLT-550	PLT550P752SP20-120-3H/3HS	72	9000	196	1500	48	82.87	3356	10000	20000	48	3000	42	3000	10	120	1020
PLT-600	PLT600P802SP20-120-2H/22HS	48	8000	196	2000	40	120	4080	6400	12000	48	3000	75	1500	19.1	80	1300
	PLT600P902SP15-120-3H/3HS	72	9000	196	1500	48	82.87	3356	10000	20000	48	3000	42	3000	10	120	1100

卧式减震舵轮选型表

Selection Table for Horizontal drive Wheel with shock-absorbing structure

		行走部分 Traction system section								转向部分 Drive wheel section								
系列	型号	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)	最大扭矩 (Nm)		最大承载 (Kg)	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)
Series	Model	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)	Maximum torque (Nm)		Maximum load capacity (Kg)	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)
PLT-150	PLT150P750SP30-21-22HSJ	48	750	20	3000	2.4	21	42	114		500	48	200	6	3000	0.64	50	28
PLT-167	PLT167P1025SP30-32-22HSJ	48	1000	27	3000	3.2	32	87	261		600	48	200	6.4	3000	0.64	50	28
PLT-198	PLT198P1525SP30-32-22HSJ	48	1500	39	3000	4.8	32	131	261		1200	48	400	11.5	3000	1.28	50	54
PLT-220	PLT220P1025SP30-40-22HSJ	48	1000	27	3000	3.2	40	109	320		1000	48	400	11.5	3000	1.28	50	54
PLT-250	PLT250P1525SP30-40-22HSJ	48	1500	39	3000	4.8	40	163	486		1200	48	400	11.5	3000	1.28	50	54

立式舵轮选型表 Selection Table for Vertical Drive Wheel

		行走部分 Traction system section								转向部分 Drive wheel section								
系列	型号	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)	最大扭矩 (Nm)		最大承载 (Kg)	额定电压 (V)	功率 (W)	额定电流 (A)	转速 (rpm)	额定扭矩 (Nm)	减速比 (i)	输出扭矩 (Nm)
Series	Model	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)	Maximum torque (Nm)		Maximum load capacity (Kg)	Rated voltage (V)	Power (W)	Rated current (A)	Speed (rpm)	Rated torque (Nm)	Reduction ratio (i)	Output torque (Nm)
PLT-230	PLT-230P152AP-30-11VS-M	24	1500	76	2590	5.5	30	108	300		1500	24	650	36	3487	1.78	50	71.2
	PLT-230P152AP-30-11VS-K	24	1500	76.2	3200	4.5	30	108	300		1500	24	400	24	3000	1.27	33.92	34.4
	PLT-230P152AP-30-11VSJ-K	24	1500	76.2	3200	4.5	30	108	300		1500	24	400	24	3000	1.27	33.92	34.4
	PLT-230P152SP-30-22VSJ-A	48	1500	34	2500	5.73	30	145	365		1500	48	400	9.9	3000	1.27	50	42
PLT-250	PLT-250P162AP-19-11VS-M	24	1600	100	2400	6.4	19	103	260		1800	24	650	36	3487	1.78	50	71.2
	PLT-250P162AP-19-11VS-K	24	1600	100	2400	6.4	19	103	260		1800	24	400	24	3000	1.27	33.92	34.4
	PLT-250P162AP-19-11VS-K	48	1600	35	2500	6.11	19	98.6	246		1800	48	400	9.9	3000	1.27	50	42
	PLT-250P252SP-19-22VS-A	48	2500	63	2500	9.55	19	163	450		1800	48	400	9.9	3000	1.27	50	42
PLT-310	PLT-310P302AP-23-11VS-M	24	3000	137	2500	11.46	23	224	650		2200	24	600	38.5	2275	2.52	45	95.6
	PLT-310P302AP-23-22VS-K	48	3000	68	2500	11.5	23	224	650		2200	48	600	15	2500	2.3	50	108
PLT-343	PLT-343P652AP-20-22VS-M	48	6500	180	2800	23	20.0	395	988		3200	48	1200	33	3000	3.82	50	191
PLT-406	PLT-406P802AP-24-22VS-M	48	8000	207	1420	54	24	1054	2592		6000	48	2000	57	3000	6.4	50	305
PLT-457	PLT-4475P103AP-25-44VS-M	80	10000	142	1200	85	23.32	1684	4507		6500	80	3000	43	1500	19	50	305
PLT-470	PLT-4475P103AP-25-44VS-M	80	10000	142	1200	85	23.32	1684	4507		6500	80	3000	43	1500	19	50	305

差速轮选型表 Selection Table for Differential Drive Wheel

型号	电机类型	轮径	功率	减速比	扭矩	承载
Model	Series	Wheel diameter (mm)	Power (W)	Reduction ratio (rpm)	Torque (Nm)	Load bearing (kg)
PLT-120P201SP30-12-2DB	伺服(PMAC)	120	200	12	7.3	200
PLT-120P401SP30-20-2DB	伺服(PMAC)	120	400	20	30	200
PLT-150P201SP30-16-2DB	伺服(PMAC)	150	200	16	9.37	400
PLT-150P401SP30-25-2DB	伺服(PMAC)	150	400	25	29.6	500
PLT-180P751SP30-28-2DB	伺服(PMAC)	180	750	28	64	500
PLT-180P102SP30-28-2DB	伺服(PMAC)	180	1000	28	85	500
PLT-180P152SP30-16-2DB	伺服(PMAC)	180	1000	28	85	500
PLT-200P751SP30-15-2DB	伺服(PMAC)	200	750	15	30	600
PLT-220P152SP30-15-2DB	伺服(PMAC)	220	1500	15	61	1400
PLT-240P152SP30-20-2DB	伺服(PMAC)	240	1500	20	81	1200
PLT-250P152SP30-16-2DB	伺服(PMAC)	250	1500	16	65	1600

差速轮组选型表 Selection Table for Dual Differential Drive Wheel

型号	额定电压(V)	牵引功率(W)	额定电流(A)	额定转速(rpm)	额定力矩(Nm)	输出力矩(Nm)	减速比(l)	峰值力矩(Nm)	最大载荷(Nm)
Model	Rated voltage (V)	Traction power (W)	Rated current (A)	Rated speed (rpm)	Rated torque (Nm)	Output torque (Nm)	Reduction ratio (l)	Peak torque (Nm)	Maximum load (Nm)
PLT-85P201SP30-8-2DDB	48	2*200	5.3	3000	2*0.64	2*4.5	8	12	500
PLT-105P401SP30-11-2DDB	48	2*200/2*400	5.3/10.1	3000	2*0.64/2*1.27	2*6.5/2*12.5	11.6	40	500/650
PLT-240P751SP30-24-2DDB	48	2*750	24	3000	2*2.4	2*50	24	180	2000
PLT-280P202SP30-55-2DDB	48	2*2000	48	3000	2*6.4	2*320	55	960	5500
PLT-400P302SP20-80-2DDB	48	2*3000	66	2000	2*14.3	2*1030	80	3700	10000
PLT500P552SP15-128-2DDJ	48	2*5500	145	1500	2*35	2*2400	128	4320	20000

企业愿景

让机器都可以懂得“思考”，
赋能中国智造。

Corporate Vision:
Enable machines to "think" and empower China's intelligent manufacturing.

企业使命

创新搬运、共享智慧
改善工业物流运输最后一公里

Corporate Mission:
Innovate material handling, share intelligence, and improve the last mile of industrial logistics transportation.

企业价值观

- 1、客户认可的产品与服务才有价值!
- 2、持续进步是企业长青的唯一方法!
- 3、质量是公司成长的“驱动器”，
信誉是公司前进的“驱动轮”!

Corporate Values:
1、Only products and services recognized by customers have value!
2、Continuous improvement is the only way for a company to thrive!
3、Quality is the "driver" of company growth, and reputation is the "driving wheel" of company progress!